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Text Part Number: 78EE117C99-1595657563

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**In your requests please include the following reference number 78EE117C99-1595657563**

## Contents

### **1.1 libtomcrypt 1.17**

1.1.1 Available under license

### **1.2 lua 5.1.3**

1.2.1 Available under license

### **1.3 csrp 1.0**

1.3.1 Available under license

### **1.4 libtommath 0.42.0**

1.4.1 Available under license

### **1.5 xinetd 2.3.15**

1.5.1 Available under license

### **1.6 unbound 1.4.22**

1.6.1 Available under license

### **1.7 zlib 1.2.3**

1.7.1 Available under license

### **1.8 diffutils 3.7**

1.8.1 Available under license

### **1.9 gzip 1.10**

1.9.1 Available under license

### **1.10 sqlite 3.27.0**

### **1.11 bzip2 1.0.8**

### **1.12 zlib 1.2.8**

1.12.1 Available under license

### **1.13 tcl 8.3.4**

1.13.1 Available under license

### **1.14 e2fsprogs 1.43**

1.14.1 Available under license

## **1.15 zlib 1.2.5**

1.15.1 Available under license

## **1.16 sshpass 1.06**

1.16.1 Available under license

## **1.17 lua-cjson 2.1.0**

1.17.1 Available under license

## **1.18 net-tools 2.10**

1.18.1 Available under license

## **1.19 alpine-keys 2.1-r2**

## **1.20 c-ares 1.16.1**

1.20.1 Available under license

## **1.21 openssl 1.1.1c**

1.21.1 Available under license

## **1.22 lsof 4.91**

1.22.1 Available under license

## **1.23 hd-parm 9.58**

## **1.24 tar 1.32**

1.24.1 Available under license

## **1.25 zlib 1.2.11-r3**

1.25.1 Available under license

## **1.26 libtls-standalone 2.9.1-r0**

1.26.1 Available under license

## **1.27 readline 7.0-10.el8**

1.27.1 Available under license

## **1.28 attr 2.4.48-3.el8**

1.28.1 Available under license

## **1.29 libmnl 1.0.4-6.el8**

1.29.1 Available under license

## **1.30 lzo 2.10**

1.30.1 Available under license

## **1.31 libusb 1.0.23**

1.31.1 Available under license

## **1.32 libpcap 1.9.1**

1.32.1 Available under license

## **1.33 musl 1.1.24-r0**

1.33.1 Available under license

## **1.34 alpine-baselayout 3.2.0-r3**

1.34.1 Available under license

## **1.35 pax-utils 1.2.4-r0**

1.35.1 Available under license  
**1.36 ca-certificates 20191127-r0**  
1.36.1 Available under license  
**1.37 openssl 1.1.1d-r3**  
1.37.1 Available under license  
**1.38 libxml2 2.9.10**  
1.38.1 Available under license  
**1.39 busybox 1.31.1-r9**  
1.39.1 Available under license  
**1.40 popt 1.16-14.el8**  
1.40.1 Available under license  
**1.41 libxslt 1.1.34**  
1.41.1 Available under license  
**1.42 findutils 4.7.0**  
1.42.1 Available under license  
**1.43 tcpdump 4.9.3**  
1.43.1 Available under license  
**1.44 websocket-client 0.57.0**  
1.44.1 Available under license  
**1.45 pathlib 2.3.5**  
1.45.1 Available under license  
**1.46 rfc3987 1.3.8**  
1.46.1 Available under license  
**1.47 libunistring 0.9.10**  
1.47.1 Available under license  
**1.48 lz4 1.9.2**  
1.48.1 Available under license  
**1.49 ncurses 6.2**  
1.49.1 Available under license  
**1.50 grep 3.4**  
1.50.1 Available under license  
**1.51 parted 3.3**  
1.51.1 Available under license  
**1.52 godbus 5.0.3**  
1.52.1 Available under license  
**1.53 cpio 2.13**  
1.53.1 Available under license  
**1.54 xz 5.2.5**  
1.54.1 Available under license

## **1.55 netcat 0.7.1**

1.55.1 Available under license

## **1.56 coreutils 8.32**

1.56.1 Available under license

## **1.57 sed 4.8**

1.57.1 Available under license

## **1.58 smartmontools 7.1**

1.58.1 Available under license

## **1.59 libtasn 4.16.0**

1.59.1 Available under license

## **1.60 libnl3 3.5.0**

1.60.1 Available under license

## **1.61 libbsd 0.10.0**

1.61.1 Available under license

## **1.62 logrus 1.6.0**

1.62.1 Available under license

## **1.63 urfave-cli 1.22.1**

1.63.1 Available under license

## **1.64 libnettle6 3.6**

1.64.1 Available under license

## **1.65 go-systemd 22.1.0**

1.65.1 Available under license

## **1.66 iptables 1.8.5**

1.66.1 Available under license

## **1.67 nghttp2 1.41.0**

1.67.1 Available under license

## **1.68 libidn 2.3.0**

1.68.1 Available under license

## **1.69 libvirt 5.5.0**

1.69.1 Available under license

## **1.70 python 3.8.5**

1.70.1 Available under license

## **1.71 busybox 1.32.0**

1.71.1 Available under license

## **1.72 libssh2 1.9.0**

1.72.1 Available under license

## **1.73 file 5.39**

1.73.1 Available under license

## **1.74 openssh 8.3p1**

- 1.74.1 Available under license
- 1.75 pkix-ssh 11.6**
  - 1.75.1 Available under license
- 1.76 openssh 7.9-p1**
  - 1.76.1 Available under license
- 1.77 traceroute 2.1.0-r0**
  - 1.77.1 Available under license
- 1.78 sqlite 3.33.0**
  - 1.78.1 Available under license
- 1.79 go-md2man 2.0.0-20190314233015-f79a8a8ca69d**
  - 1.79.1 Available under license
- 1.80 glibc 2.32**
  - 1.80.1 Available under license
- 1.81 fdisk 2.36.0**
  - 1.81.1 Available under license
- 1.82 ethtool 5.8**
  - 1.82.1 Available under license
- 1.83 json-c 0.15**
  - 1.83.1 Available under license
- 1.84 bind 9.11.19**
  - 1.84.1 Available under license
- 1.85 libffi 3.1-22.el8**
  - 1.85.1 Available under license
- 1.86 libcap 2.26-4.el8**
  - 1.86.1 Available under license
- 1.87 cryptsetup 2.3.4**
  - 1.87.1 Available under license
- 1.88 gnutls 3.6.14**
  - 1.88.1 Available under license
- 1.89 multidict 5.0.0**
  - 1.89.1 Available under license
- 1.90 bash 5.0.18**
  - 1.90.1 Available under license
- 1.91 socat 1.7.3.4**
  - 1.91.1 Available under license
- 1.92 libyaml 0.2.5**
  - 1.92.1 Available under license
- 1.93 tftp-hpa 5.2**
  - 1.93.1 Available under license

- 1.94 glib 2.64.5**
  - 1.94.1 Available under license
- 1.95 pyparsing 2.4.7**
  - 1.95.1 Available under license
- 1.96 zipp 3.4.0**
  - 1.96.1 Available under license
- 1.97 idna-ssl 1.1.0**
  - 1.97.1 Available under license
- 1.98 async-timeout 3.0.1**
  - 1.98.1 Available under license
- 1.99 pyserial 3.4**
  - 1.99.1 Available under license
- 1.100 ptyprocess 0.6.0**
  - 1.100.1 Available under license
- 1.101 importlib-metadata 2.0.0**
  - 1.101.1 Available under license
- 1.102 more-itertools 8.5.0**
  - 1.102.1 Available under license
- 1.103 iputils 20200821**
  - 1.103.1 Available under license
- 1.104 elfutils 0.180**
  - 1.104.1 Available under license
- 1.105 expat 2.2.8**
  - 1.105.1 Available under license
- 1.106 expat 1.95.5**
  - 1.106.1 Available under license
- 1.107 util-linux 2.36.0**
  - 1.107.1 Available under license
- 1.108 apipkg 1.4**
  - 1.108.1 Available under license
- 1.109 iniconfig 1.0.0**
  - 1.109.1 Available under license
- 1.110 libtirpc 1.2.6**
  - 1.110.1 Available under license
- 1.111 dosfs-tools 4.2**
  - 1.111.1 Available under license
- 1.112 gdbm 1.18.1**
  - 1.112.1 Available under license
- 1.113 libsodium 1.0.18**

- 1.113.1 Available under license
- 1.114 squashfs-tools 4.4**
  - 1.114.1 Available under license
- 1.115 slang 2.3.2**
  - 1.115.1 Available under license
- 1.116 visual-studio-runtime 14.00.24210.0**
  - 1.116.1 Available under license
- 1.117 gawk 5.1.0**
  - 1.117.1 Available under license
- 1.118 pcre 8.44**
  - 1.118.1 Available under license
- 1.119 errwrap 1.1.0**
  - 1.119.1 Available under license
- 1.120 rsync 3.2.3**
  - 1.120.1 Available under license
- 1.121 libevdev 1.11.0**
  - 1.121.1 Available under license
- 1.122 go-units 0.4.0**
  - 1.122.1 Available under license
- 1.123 iproute 5.9.0-1.el8**
  - 1.123.1 Available under license
- 1.124 libsemanage-common 2.9-4.el8**
  - 1.124.1 Available under license
- 1.125 policycoreutils 2.9-9.el8**
  - 1.125.1 Available under license
- 1.126 acl 2.2.53-1.el8**
  - 1.126.1 Available under license
- 1.127 bridgeutils 1.7.1**
  - 1.127.1 Available under license
- 1.128 python-setuptools 47.1.0**
  - 1.128.1 Available under license
- 1.129 subwrap 0.1.0**
  - 1.129.1 Available under license
- 1.130 psutil 2.0.0**
  - 1.130.1 Available under license
- 1.131 pyang 2.2.1**
  - 1.131.1 Available under license
- 1.132 pypellchecker 0.5.4**
  - 1.132.1 Available under license



### **1.133 pretend 1.0.9**

1.133.1 Available under license

### **1.134 libcrypt 1.8.6**

1.134.1 Available under license

### **1.135 libpgp-error 1.39**

1.135.1 Available under license

### **1.136 vim 8.2**

1.136.1 Available under license

### **1.137 iso8601 0.1.13**

1.137.1 Available under license

### **1.138 aiohttp 3.7.2**

1.138.1 Available under license

### **1.139 pyaes 1.6.1**

1.139.1 Available under license

### **1.140 d-bus 1.12.20**

1.140.1 Available under license

### **1.141 uwsgi 2.0.18**

1.141.1 Available under license

### **1.142 python-pip 20.0.2**

1.142.1 Available under license

### **1.143 click 7.1.2**

1.143.1 Available under license

### **1.144 python-pip 20.1.1**

1.144.1 Available under license

### **1.145 falcon 1.1.0**

1.145.1 Available under license

### **1.146 ply 3.11**

1.146.1 Available under license

### **1.147 markupsafe 1.1.1**

1.147.1 Available under license

### **1.148 pexpect 4.8.0**

1.148.1 Available under license

### **1.149 attrs 20.2.0**

1.149.1 Available under license

### **1.150 flask 1.1.2**

1.150.1 Available under license

### **1.151 py 1.9.0**

1.151.1 Available under license

### **1.152 werkzeug 1.0.1**

- 1.152.1 Available under license
- 1.153 itsdangerous 1.1.0**
  - 1.153.1 Available under license
- 1.154 jinja2 2.11.2**
  - 1.154.1 Available under license
- 1.155 pyopenssl 19.1.0**
  - 1.155.1 Available under license
- 1.156 pytz 2020.1**
  - 1.156.1 Available under license
- 1.157 python-socketio 4.6.0**
  - 1.157.1 Available under license
- 1.158 gevent 20.9.0**
  - 1.158.1 Available under license
- 1.159 pnp 3.0.0.dev2**
  - 1.159.1 Available under license
- 1.160 configargparse 1.2.3**
  - 1.160.1 Available under license
- 1.161 bcrypt 3.2.0-1.ph4**
  - 1.161.1 Available under license
- 1.162 pyrsistent 0.17.3-2.ph4**
  - 1.162.1 Available under license
- 1.163 decorator 4.4.2-1.ph4**
  - 1.163.1 Available under license
- 1.164 pyasn1 0.4.8-1.ph4**
  - 1.164.1 Available under license
- 1.165 ndg-httpsclient 0.5.1-4.ph4**
  - 1.165.1 Available under license
- 1.166 python3-asn1crypto 1.4.0-1.ph4**
  - 1.166.1 Available under license
- 1.167 pycparser 2.20-1.ph4**
  - 1.167.1 Available under license
- 1.168 vcversioner 2.16.0.0-2.ph4**
  - 1.168.1 Available under license
- 1.169 paramiko 2.7.2-1.ph4**
  - 1.169.1 Available under license
- 1.170 cffi 1.14.3-2.ph4**
  - 1.170.1 Available under license
- 1.171 simplejson 3.17.2-1.ph4**
  - 1.171.1 Available under license

- 1.172 mtd-utils 2.1.2**
  - 1.172.1 Available under license
- 1.173 pluggy 0.13.1-1.ph4**
  - 1.173.1 Available under license
- 1.174 wcwidth 0.2.5-1.ph4**
  - 1.174.1 Available under license
- 1.175 six 1.15.0-3.ph4**
  - 1.175.1 Available under license
- 1.176 procps 3.3.15**
  - 1.176.1 Available under license
- 1.177 pam 1.3.1-14.el8**
  - 1.177.1 Available under license
- 1.178 atomicwrites 1.4.0-2.ph4**
  - 1.178.1 Available under license
- 1.179 shadow 4.8.1**
  - 1.179.1 Available under license
- 1.180 pyudev 0.22.0-1.ph4**
  - 1.180.1 Available under license
- 1.181 flask-socketio 4.3.1**
  - 1.181.1 Available under license
- 1.182 gobject-introspection 1.64.1**
  - 1.182.1 Available under license
- 1.183 util-linux 2.36**
  - 1.183.1 Available under license
- 1.184 btrfsutil 1.2.0**
  - 1.184.1 Available under license
- 1.185 binutils 2.35.1**
  - 1.185.1 Available under license
- 1.186 backports-functools-lru-cache 1.6.1**
  - 1.186.1 Available under license
- 1.187 libmicrohttpd 0.9.71**
  - 1.187.1 Available under license
- 1.188 dhcp 4.4.2-P1**
  - 1.188.1 Available under license
- 1.189 setuptools-scm 4.1.2**
  - 1.189.1 Available under license
- 1.190 pytest 0.0.0**
  - 1.190.1 Available under license
- 1.191 tdb 1.43**

- 1.191.1 Available under license
- 1.192 helpersdt 0.1.0**
  - 1.192.1 Available under license
- 1.193 luajit 2.1.0.beta3**
  - 1.193.1 Available under license
- 1.194 cyphar-filepath-securejoin 0.2.2**
  - 1.194.1 Available under license
- 1.195 go-capability 0.0.0-20200815063812-42c35b437635**
  - 1.195.1 Available under license
- 1.196 netns 0.0.0-20191106174202-0a2b9b5464df**
  - 1.196.1 Available under license
- 1.197 blackfriday 2.0.1**
  - 1.197.1 Available under license
- 1.198 sanitized-anchor-name 1.0.0**
  - 1.198.1 Available under license
- 1.199 protobuf 1.23.0**
  - 1.199.1 Available under license
- 1.200 go-criu 4.1.0**
  - 1.200.1 Available under license
- 1.201 x-sys 0.0.0-20200728102440-3e129f6d46b1**
  - 1.201.1 Available under license
- 1.202 opencontainers-runtime-spec 1.0.3-0.20200728170252-4d89ac9fbff6**
  - 1.202.1 Available under license
- 1.203 sys-mountinfo 0.1.3**
  - 1.203.1 Available under license
- 1.204 mnuralp-fileutils 0.0.0-20200520151820-abd8a0e76976**
  - 1.204.1 Available under license
- 1.205 opencontainers-selinux 1.6.0**
  - 1.205.1 Available under license
- 1.206 containerd-console 1.0.0**
  - 1.206.1 Available under license
- 1.207 cilium-ebpf 0.0.0-20200702112145-1c8d4c9ef775**
  - 1.207.1 Available under license
- 1.208 iniconfig 0.0.0**
  - 1.208.1 Available under license
- 1.209 libwebsockets 4.2.1**
  - 1.209.1 Available under license
- 1.210 c-ares 1.18.1**
  - 1.210.1 Available under license

### **1.211 jsonschema 3.2.0**

1.211.1 Available under license

### **1.212 networkx 2.5**

1.212.1 Available under license

### **1.213 dnsmasq 2.84rc2**

1.213.1 Available under license

### **1.214 kexec-tools 2.0.20**

1.214.1 Available under license

### **1.215 nginx 1.15.8.3**

1.215.1 Available under license

### **1.216 libdevmapper 1.02.165**

1.216.1 Available under license

### **1.217 goprotobuf 1.4.2**

1.217.1 Available under license

### **1.218 zstd 1.4.5**

1.218.1 Available under license

### **1.219 cyrus-sasl 2.1.28**

1.219.1 Notifications

1.219.2 Available under license

### **1.220 yarl 1.6.2**

1.220.1 Available under license

### **1.221 webcolors 1.11.1**

1.221.1 Available under license

### **1.222 oauthlib 3.1.0-1.ph4**

1.222.1 Available under license

### **1.223 cJSON 2.1.0**

1.223.1 Available under license

### **1.224 libcap-ng 2.26-4.el8**

1.224.1 Available under license

### **1.225 yajl 2.0**

1.225.1 Available under license

### **1.226 grpc-go 1.46.0**

1.226.1 Available under license

### **1.227 pynacl 1.4.0**

1.227.1 Available under license

### **1.228 ncclient 0.6.9**

1.228.1 Available under license

### **1.229 netlink 1.1.0**

1.229.1 Available under license

### **1.230 sysfsutils 2.1.0**

1.230.1 Available under license

### **1.231 libnsl 2.0.0**

1.231.1 Available under license

### **1.232 golang 1.15.8**

1.232.1 Available under license

### **1.233 zlib 1.2.11**

1.233.1 Available under license

### **1.234 inotify-tools 3.22.6.0**

1.234.1 Available under license

### **1.235 open-ldap 2.6.3**

1.235.1 Available under license

### **1.236 packaging 20.4**

1.236.1 Available under license

### **1.237 pysocks 1.7.1**

1.237.1 Available under license

### **1.238 packaging 16.8**

1.238.1 Available under license

### **1.239 example 21.12**

1.239.1 Available under license

### **1.240 openssl 1.1.1l**

1.240.1 Available under license

### **1.241 pyyaml 5.3.1-1**

1.241.1 Available under license

### **1.242 erlang-otp 22.3.4.17**

1.242.1 Available under license

### **1.243 gmp 6.2.0**

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### **1.244 python-lxml 4.6.1**

1.244.1 Available under license

### **1.245 linux-kernel 5.4.212**

1.245.1 Available under license

### **1.246 screen 4.9.0**

1.246.1 Available under license

### **1.247 nfs-utils 2.6.2**

1.247.1 Available under license

### **1.248 systemd 246**

1.248.1 Available under license

### **1.249 pciutils 3.9.0**

- 1.249.1 Available under license
- 1.250 docker 4.7.0**
  - 1.250.1 Available under license
- 1.251 less 4.1.3**
  - 1.251.1 Available under license
- 1.252 inetutils 1.4.1**
  - 1.252.1 Available under license
- 1.253 audit 3.0.9**
  - 1.253.1 Available under license
- 1.254 psmisc 23.6-1**
  - 1.254.1 Available under license
- 1.255 safestring 4.1.25**
  - 1.255.1 Available under license
- 1.256 usbutils 1:014-1**
  - 1.256.1 Available under license
- 1.257 netaddr 0.8.0-2.ph4**
  - 1.257.1 Available under license
- 1.258 selinux 2.9-5.el8**
  - 1.258.1 Available under license
- 1.259 jsonpointer 2.0**
  - 1.259.1 Available under license
- 1.260 gpt-fdisk 1.0.5**
  - 1.260.1 Available under license
- 1.261 setools 4.3.0**
  - 1.261.1 Available under license
- 1.262 errors 0.9.1**
  - 1.262.1 Available under license
- 1.263 python-engineio 3.13.2**
  - 1.263.1 Available under license
- 1.264 cryptography 3.2**
  - 1.264.1 Available under license

## 1.1 libtomcrypt 1.17

### 1.1.1 Available under license :

```
# /*  
# * SHA-512  
# * Implementation derived from LibTomCrypt (Tom St Denis)  
# *  
# * LibTomCrypt is a library that provides various cryptographic  
# * algorithms in a highly modular and flexible manner.
```

```
# *  
# * The library is free for all purposes without any express  
# * guarantee it works.  
# *  
# * Tom St Denis, tomstdenis@gmail.com, http://libtomcrypt.org  
# */
```

## 1.2 lua 5.1.3

### 1.2.1 Available under license :

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## 1.3 csrp 1.0

### 1.3.1 Available under license :

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## 1.4 libtommath 0.42.0

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-- Tom St Denis

## 1.5 xinetd 2.3.15

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## 1.6 unbound 1.4.22

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## 1.7 zlib 1.2.3

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```
/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.11, January 15th, 2017
```

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## 1.9 gzip 1.10

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## 1.10 sqlite 3.27.0

## 1.11 bzip2 1.0.8

# 1.12 zlib 1.2.8

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.11, January 15th, 2017

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\*/

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## 1.13 tcl 8.3.4

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## 1.14 e2fsprogs 1.43

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\*/

Index: tdbsa/tdb.c

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--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

\*/

/\*

- Unix SMB/CIFS implementation.

- + trivial database library - standalone version
- trivial database library - private includes
- 
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```
<signature of Ty Coon>, 1 April 1989
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Theodore Ts'o  
23-June-2007

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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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That's all there is to it!

This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from <http://sourceforge.net/projects/e2fsprogs>

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## DAMAGE.

This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

<http://sourceforge.net/projects/e2fsprogs>

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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#

# This is a Makefile stub which handles the creation of BSD shared  
# libraries.

#

# In order to use this stub, the following makefile variables must be defined.

#

# BSDLIB\_VERSION = 1.0

# BSDLIB\_IMAGE = libce

```

# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

real-subdirs:: Makefile
@echo " MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image: $(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LD_FLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
`echo $(my_dir) | sed -e 's;lib/;;' /$(BSD_LIB) $(BSD_LIB))

install-shlibs install: $(BSD_LIB)
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LD_CONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall:
$(RM) -f $(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean:
$(RM)
-rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

```

This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:  
[tsx-11.mit.edu:/pub/linux/packages/ext2fs/](http://tsx-11.mit.edu:/pub/linux/packages/ext2fs/)



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This is the Debian GNU/Linux prepackaged version of the Common Error  
Description library. It is currently distributed together with the EXT2 file  
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This package was put together by Yann Dirson <dirson@debian.org>,  
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## 1.15 zlib 1.2.5

## 1.15.1 Available under license :

/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.11, January 15th, 2017

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\*/

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## 1.32 libpcap 1.9.1

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## 1.34 alpine-baselayout 3.2.0-r3

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```

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jseward@bzip.org

bzip2/libbzip2 version 1.0.4 of 20 December 2006

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Ty Coon, President of
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## 1.45 pathlib 2.3.5

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Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

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Upstream-Name: liblz4

Upstream-Contact: Yann Collet <Cyan4973@github.com>

Source: <https://github.com/lz4/lz4>

Files: \*

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# 1.49 ncurses 6.2

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```
-- vile:txtmode fc=72
-- $Id: COPYING,v 1.9 2020/02/08 13:34:12 tom Exp $
Upstream source https://invisible-island.net/ncurses/ncurses.html
This package is used for testing builds of ncurses.
```

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## 1.50 grep 3.4

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# 1.52 godbus 5.0.3

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## 1.54 xz 5.2.5

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## 1.55 netcat 0.7.1

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## 1.56 coreutils 8.32

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```
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```

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## 1.57 sed 4.8

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Version 3, 29 June 2007

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# 1.59 libtasn 4.16.0

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is

interface-compatible with the version that the work was made with.

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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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The

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include/bsd/stdlib.h

include/bsd/sys/param.h

include/bsd/unistd.h

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include/bsd/timeconv.h

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man/bitstring.3bsd

man/errc.3bsd

man/explicit\_bzero.3bsd

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man/fgetwln.3bsd

man/fpurge.3bsd

man/funopen.3bsd

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man/queue.3bsd

man/radixsort.3bsd

man/reallocarray.3bsd

man/reallocf.3bsd

man/setmode.3bsd

man/strmode.3bsd

man/strnstr.3bsd

man/strtoi.3bsd

man/strtou.3bsd

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man/vis.3bsd

man/wcsncpy.3bsd

src/getbsize.c

src/heapsort.c

src/merge.c

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man/fmtcheck.3bsd  
man/humanize\_number.3bsd  
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man/getpeereid.3bsd  
man/pidfile.3bsd  
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src/arc4random\_openbsd.h  
src/arc4random\_uniform.c  
src/arc4random\_unix.h  
src/arc4random\_win.h  
src/closefrom.c  
src/getentropy\_aix.c  
src/getentropy\_bsd.c  
src/getentropy\_hpux.c  
src/getentropy\_hurd.c  
src/getentropy\_linux.c  
src/getentropy\_osx.c  
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# 1.67 nghttp2 1.41.0

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```
set yrange [0:]
set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1
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```

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## 1.68 libidn 2.3.0

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## 1.70 python 3.8.5

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

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| Release | Derived | Year | Owner | GPL-            |
|---------|---------|------|-------|-----------------|
|         | from    |      |       | compatible? (1) |

|                |           |           |            |         |
|----------------|-----------|-----------|------------|---------|
| 0.9.0 thru 1.2 |           | 1991-1995 | CWI        | yes     |
| 1.3 thru 1.5.2 | 1.2       | 1995-1999 | CNRI       | yes     |
| 1.6            | 1.5.2     | 2000      | CNRI       | no      |
| 2.0            | 1.6       | 2000      | BeOpen.com | no      |
| 1.6.1          | 1.6       | 2001      | CNRI       | yes (2) |
| 2.1            | 2.0+1.6.1 | 2001      | PSF        | no      |
| 2.0.1          | 2.0+1.6.1 | 2001      | PSF        | yes     |
| 2.1.1          | 2.1+2.0.1 | 2001      | PSF        | yes     |
| 2.1.2          | 2.1.1     | 2002      | PSF        | yes     |
| 2.1.3          | 2.1.2     | 2002      | PSF        | yes     |
| 2.2 and above  | 2.1.1     | 2001-now  |            |         |
| PSF            | yes       |           |            |         |

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## 1.75 pkix-ssh 11.6

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```
/*  
*-----  
* name: pkixpath.c  
*  
* This file implements certificate path building/verifying SPI  
* functions that conform to the descriptions in the PKIX draft  
* documentation.  
*  
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**  
*/
```

Found in path(s):

```
* /opt/cola/permits/1078111861_1615189672.12/0/pkix-tar/pkix/pkixpath.c
```

No license file was found, but licenses were detected in source scan.

```
/* $Id$
 * $Source$
 *-----
 * pkixpath_header.h
 *
 * October 2005, Bob Stuercke
 *
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 *-----
 * $Log$
 *-----
 * $Endlog$
 */
```

Found in path(s):

```
* /opt/cola/permits/1078111861_1615189672.12/0/pkix-tar/pkix/pkixpath_header.h
```

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* incompatible with the protocol description in the RFC file, it must be
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* called by a name other than "ssh" or "Secure Shell".
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[Tatu continues]

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```
*/
7zXZF!t/o."w[7gp<G
H:Oed 18uyMQ9]FO6
87I8.mhGl^eb_X/UQKuB
)Cdk!B_M/tw|11np#_(~*'uM%S61opMG`YfRXvY[R+t[ BS=)d
;*!;_>KfBqxY(F|0.Ve%S61opMG`YfRXvY[R+t[ BS=)d
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```
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This is free software, and you are welcome to redistribute
it
under certain conditions; type `show c' for details.
```

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```
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`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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# 1.84 bind 9.11.19

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\* `configure.ac`, `Makefile.am`: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

\* `atf-c/ui.c`: The `format_paragraph` and `format_text` functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

\* `atf-c++/detail/io.hpp`, `atf-c++/detail/io.cpp`, `atf-c++/detail/io_test.cpp`: These files were derived from the `file_handle`, `systembuf`, `pipe` and `pistream` classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

\* admin/check-style.sh,  
admin/check-style-common.awk,  
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,  
except the first one, were first implemented in the Buildtool project.  
They were later adapted to be part of Boost.Process and, during that  
process, the shell script was created.

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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2  
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```
<!-- $Id$ -->
```

```
<!-- Generate ISC copyright comments from Docbook copyright metadata. -->
```

```
<xsl:stylesheet version="1.0"  
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"  
  xmlns:xi="http://www.w3.org/2001/XInclude"  
  xmlns:db="http://docbook.org/ns/docbook">  
  
  <xsl:template name="isc.copyright.format">  
    <xsl:param name="text"/>  
    <xsl:value-of select="$isc.copyright.leader"/>  
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>  
    <xsl:text>&#10;</xsl:text>  
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>  
    <xsl:if test="translate($rest, '&#9;&#32;', '')">  
      <xsl:call-template name="isc.copyright.format">  
        <xsl:with-param  
name="text" select="$rest"/>  
      </xsl:call-template>  
    </xsl:if>  
  </xsl:template>  
  
  <xsl:variable name="isc.copyright.text">  
    <xsl:text>  
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      License, v. 2.0. If a copy of the MPL was not distributed with this  
      file, You can obtain one at http://mozilla.org/MPL/2.0/.  
    </xsl:text>  
  </xsl:variable>  
  
  <xsl:variable name="isc.copyright">  
    <xsl:call-template name="isc.copyright.format">  
      <xsl:with-param name="text">  
        <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
```



```

<xsl:text>Copyright (C) </xsl:text>
<xsl:call-template name="copyright.years">
  <xsl:with-param name="years" select="year"/>
</xsl:call-template>
<xsl:text> </xsl:text>
<xsl:value-of select="holder"/>
  <xsl:value-of select="$isc.copyright.breakline"/>
<xsl:text>&#10;</xsl:text>
</xsl:for-each>
<xsl:value-of select="$isc.copyright.text"/>
  </xsl:with-param>
</xsl:call-template>
</xsl:variable>
</xsl:stylesheet>

<!--
- Local variables:
- mode: sgml
- End:
-->
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves,

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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## Constant-time SSSE3 AES core implementation.

## version 0.1

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## By Mike Hamburg (Stanford University), 2009

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## 1.90 bash 5.0.18

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 \* Hudson (tjh@cryptsoft.com).  
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 \*/

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\*/

## 1.92 libyami 0.2.5

### 1.92.1 Available under license :

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## 1.93 tftp-hpa 5.2

### 1.93.1 Available under license :

No license file was found, but licenses were detected in source scan.

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 \* SUCH DAMAGE.  
 \*/

Found in path(s):

\* /opt/cola/permits/1108298343\_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftp/tftp.c  
 \*  
 \* /opt/cola/permits/1108298343\_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/common/tftpsubs.c  
 \* /opt/cola/permits/1108298343\_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftp/main.c

No license file was found, but licenses were detected in source scan.

Summary: The client for the Trivial File Transfer Protocol (TFTP).

Name: tftp

Version: 5.2

Release: 1

License: BSD

Group: Applications/Internet

Source0: <http://www.kernel.org/pub/software/network/tftp/tftp-hpa-%{version}.tar.gz>

BuildRequires: tcp\_wrappers-devel

BuildRoot: %{\_tmppath}/%{name}-root

%description

The Trivial File Transfer Protocol (TFTP) is normally used only for booting diskless workstations. The tftp package provides the user interface for TFTP, which allows users to transfer files to and from a remote machine. This program and TFTP provide very little security, and should not be enabled unless it is expressly needed.

%package server

Group: System Environment/Daemons

Summary: The server for the Trivial File Transfer Protocol (TFTP).

Requires: xinetd

```

%description server
The Trivial File Transfer Protocol (TFTP) is normally used only for
booting diskless workstations. The tftp-server package provides
the
server for TFTP, which allows users to transfer files to and from a
remote machine. TFTP provides very little security, and should not be
enabled unless it is expressly needed. The TFTP server is run from
/etc/xinetd.d/tftp, and is disabled by default on Red Hat Linux systems.

%prep
%setup -q -n tftp-hpa-% { version }

%build

%configure
make %{?_smp_mflags}

%install
rm -rf ${RPM_BUILD_ROOT}
mkdir -p ${RPM_BUILD_ROOT}%{_bindir}
mkdir -p ${RPM_BUILD_ROOT}%{_mandir}/man{1,8}
mkdir -p ${RPM_BUILD_ROOT}%{_sbindir}

make INSTALLROOT=${RPM_BUILD_ROOT} \
  SBINDIR=%{_sbindir} MANDIR=%{_mandir} \
install
install -m755 -d ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/ ${RPM_BUILD_ROOT}/tftpboot
install -m644 tftp-xinetd ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/tftp

%post server
/sbin/service xinetd reload > /dev/null 2>&1 || :

%postun server
if [ $1 = 0 ]; then
  /sbin/service xinetd reload > /dev/null 2>&1 || :
fi

%clean
rm -rf ${RPM_BUILD_ROOT}

%files
%defattr(-,root,root)
%{_bindir}/tftp
%{_mandir}/man1/*

%files

```

```
server
%defattr(-,root,root)
%config(noreplace) % {_sysconfdir}/xinetd.d/tftp
%dir /tftpboot
% {_sbindir}/in.tftpd
% {_mandir}/man8/*

%changelog
* Tue Sep 14 2004 H. Peter Anvin <hpa@zytor.com>
- removed completely broken "Malta" patch.
- integrated into build machinery so rpm -ta works.

* Fri Feb 13 2004 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Wed Jun 04 2003 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Fri Apr 11 2003 Elliot Lee <sopwith@redhat.com>
- 0.33
- Add /tftpboot directory (#88204)

* Mon Feb 24 2003 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Sun Feb 23 2003 Tim Powers <timp@redhat.com>
- add BuildPreReq on tcp_wrappers

* Wed Jan 22 2003 Tim Powers <timp@redhat.com>
- rebuilt

* Mon Nov 11 2002 Elliot Lee <sopwith@redhat.com> 0.32-1
- Update to 0.32

* Wed Oct 23 2002 Elliot Lee <sopwith@redhat.com> 0.30-1
- Fix #55789
- Update to 0.30

* Thu Jun 27 2002 Elliot Lee <sopwith@redhat.com>
- Try applying HJ's patch from #65476

* Fri Jun
21 2002 Tim Powers <timp@redhat.com>
- automated rebuild

* Mon Jun 17 2002 Elliot Lee <sopwith@redhat.com>
- Update to 0.29
```

- \* Thu May 23 2002 Tim Powers <timp@redhat.com>
  - automated rebuild
  
- \* Wed Jan 09 2002 Tim Powers <timp@redhat.com>
  - automated rebuild
  
- \* Tue Dec 18 2001 Elliot Lee <sopwith@redhat.com> 0.17-15
  - Add patch4: netkit-tftp-0.17-defaultport.patch for bug #57562
  - Update to tftp-hpa-0.28 (bug #56131)
  - Remove include/arpa/tftp.h to fix #57259
  - Add resource limits in tftp-xinetd (#56722)
  
- \* Sun Jun 24 2001 Elliot Lee <sopwith@redhat.com>
  - Bump release + rebuild.
  
- \* Tue Jun 12 2001 Helge Deller <hdeller@redhat.de> (0.17-13)
  - updated tftp-hpa source to tftp-hpa-0.17
  - tweaked specfile with different defines for tftp-netkit and tftp-hpa version
  - use hpa's tftpd.8 man page instead of the netkits one
  
- \* Mon May 07 2001 Helge Deller <hdeller@redhat.de>
  - rebuilt in 7.1.x
  
- \* Wed Apr 18 2001 Helge Deller <hdeller@redhat.de>
  - fix tftp client's put problems (#29529)
  - update
  - to tftp-hpa-0.16
  
- \* Wed Apr 4 2001 Jakub Jelinek <jakub@redhat.com>
  - don't let configure to guess compiler, it can pick up eggs
  
- \* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>
  - changed "wait" in xinetd file to "yes" (hpa-tftpd forks and exits) (#26467)
  - fixed hpa-tftpd to handle files greater than 32MB (#23725)
  - added "-l" flag to hpa-tftpd for file-logging (#26467)
  - added description for "-l" to the man-page
  
- \* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>
  - updated tftp client to 0.17 stable (#19640),
  - drop dependency on xinetd for tftp client (#25051),
  
- \* Wed Jan 17 2001 Jeff Johnson <jbj@redhat.com>
  - xinetd shouldn't wait on tftp (which forks) (#23923).
  
- \* Sat Jan 6 2001 Jeff Johnson <jbj@redhat.com>
  - fix to permit tftp put's (#18128).
  - startup as root with chroot to /tftpboot with early reversion to nobody is preferable to starting as nobody w/o ability to chroot.

- %%post is needed by server, not client. Add %%postun for erasure as well.

\* Wed Aug 23 2000

Nalin Dahyabhai <nalin@redhat.com>

- default to being disabled

\* Thu Aug 17 2000 Jeff Johnson <jbj@redhat.com>

- correct group.

\* Tue Jul 25 2000 Nalin Dahyabhai <nalin@redhat.com>

- change user from root to nobody

\* Sat Jul 22 2000 Jeff Johnson <jbj@redhat.com>

- update to tftp-hpa-0.14 (#14003).

- add server\_args (#14003).

- remove -D\_BSD\_SOURCE (#14003).

\* Fri Jul 21 2000 Nalin Dahyabhai <nalin@redhat.com>

- cook up an xinetd config file for tftpd

\* Wed Jul 12 2000 Prospector <bugzilla@redhat.com>

- automatic rebuild

\* Sun Jun 18 2000 Jeff Johnson <jbj@redhat.com>

- FHS packaging.

- update to 0.17.

\* Fri May 5 2000 Matt Wilson <msw@redhat.com>

- use \_BSD\_SOURCE for hpa's tftpd so we get BSD signal semantics.

\* Fri Feb 11 2000 Bill Nottingham <notting@redhat.com>

- fix description

\* Wed Feb 9 2000 Jeff Johnson <jbj@redhat.com>

- compress man pages (again).

\* Wed Feb 02 2000 Cristian Gafton <gafton@redhat.com>

- man pages are compressed

- fix description and summary

\* Tue

Jan 4 2000 Bill Nottingham <notting@redhat.com>

- split client and server

\* Tue Dec 21 1999 Jeff Johnson <jbj@redhat.com>

- update to 0.16.

\* Sat Aug 28 1999 Jeff Johnson <jbj@redhat.com>

- update to 0.15.

\* Wed Apr 7 1999 Jeff Johnson <jbj@redhat.com>  
- tftpd should truncate file when overwriting (#412)

\* Sun Mar 21 1999 Cristian Gafton <gafton@redhat.com>  
- auto rebuild in the new build environment (release 22)

\* Mon Mar 15 1999 Jeff Johnson <jbj@redhat.com>  
- compile for 6.0.

\* Fri Aug 7 1998 Jeff Johnson <jbj@redhat.com>  
- build root

\* Mon Apr 27 1998 Prospector System <bugs@redhat.com>  
- translations modified for de, fr, tr

\* Mon Sep 22 1997 Erik Troan <ewt@redhat.com>  
- added check for getpwnam() failure

\* Tue Jul 15 1997 Erik Troan <ewt@redhat.com>  
- initial build

Found in path(s):

\* /opt/cola/permits/1108298343\_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftp.spec

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```
/* *- c *- ----- *
*
* Copyright 2001-2006 H. Peter Anvin - All Rights Reserved
*
* This program is free software available under the same license
* as the "OpenBSD" operating system, distributed at
* http://www.openbsd.org/.
*
* ----- */
```

Found in path(s):

\* /opt/cola/permits/1108298343\_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/config.h

No license file was found, but licenses were detected in source scan.

```
.\" *- nroff *- ----- *
.\"
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.\"
```



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```

```

.\"----- */

```

```

Found in path(s):
* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftp/tftp.1.in
No license file was found, but licenses were detected in source scan.

```

```

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* as the "OpenBSD" operating system, distributed at
* http://www.openbsd.org/.
*
* ----- */

```

```

Found in path(s):
* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftpd/remap.h
* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftpd/misc.c
* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftpd/remap.c
No license file was found, but licenses were detected in source scan.

```

```

.\" -*- nroff -*- ----- *

```

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.\"
.\"----- */

```

Found in path(s):

```
* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftpd/tftpd.8.in
```

No license file was found, but licenses were detected in source scan.

Summary: The client for the Trivial File Transfer Protocol (TFTP).

Name: tftp

Version: @@VERSION@@

Release: 1

License: BSD

Group: Applications/Internet

Source0: <http://www.kernel.org/pub/software/network/tftp/tftp-hpa-%{version}.tar.gz>

BuildRequires: tcp\_wrappers-devel

BuildRoot: %{\_tmppath}/%{name}-root

%description

The Trivial File Transfer Protocol (TFTP) is normally used only for booting diskless workstations. The tftp package provides the user interface for TFTP, which allows users to transfer files to and from a remote machine. This program and TFTP provide very little security, and should not be enabled unless it is expressly needed.

%package server

Group: System Environment/Daemons

Summary: The server for the Trivial File Transfer Protocol (TFTP).

Requires: xinetd

%description server

The Trivial File Transfer Protocol (TFTP) is normally used only for booting diskless workstations. The tftp-server package provides the server for TFTP, which allows users to transfer files to and from a remote machine. TFTP provides very little security, and should not be enabled unless it is expressly needed. The TFTP server is run from /etc/xinetd.d/tftp, and is disabled by default on Red Hat Linux systems.

%prep

%setup -q -n tftp-hpa-% { version }

%build

%configure

make %{?\_smp\_mflags}

%install

rm -rf \${RPM\_BUILD\_ROOT}

mkdir -p \${RPM\_BUILD\_ROOT}%{\_bindir}

mkdir -p \${RPM\_BUILD\_ROOT}%{\_mandir}/man{1,8}

mkdir -p \${RPM\_BUILD\_ROOT}%{\_sbindir}

make INSTALLROOT=\${RPM\_BUILD\_ROOT} \

SBINDIR=%{\_sbindir} MANDIR=%{\_mandir} \

install

install -m755 -d \${RPM\_BUILD\_ROOT}%{\_sysconfdir}/xinetd.d/ \${RPM\_BUILD\_ROOT}/tftpboot

install -m644 tftp-xinetd \${RPM\_BUILD\_ROOT}%{\_sysconfdir}/xinetd.d/tftp

%post server

/sbin/service xinetd reload > /dev/null 2>&1 || :

%postun server

if [ \$1 = 0 ]; then

/sbin/service xinetd reload > /dev/null 2>&1 || :

fi

```

%clean
rm -rf ${RPM_BUILD_ROOT}

%files
%defattr(-,root,root)
%{_bindir}/tftp
%{_mandir}/man1/*

%files
server
%defattr(-,root,root)
%config(noreplace) % {_sysconfdir}/xinetd.d/tftp
%dir /tftpboot
%{_sbindir}/in.tftpd
%{_mandir}/man8/*

%changelog
* Tue Sep 14 2004 H. Peter Anvin <hpa@zytor.com>
- removed completely broken "Malta" patch.
- integrated into build machinery so rpm -ta works.

* Fri Feb 13 2004 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Wed Jun 04 2003 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Fri Apr 11 2003 Elliot Lee <sopwith@redhat.com>
- 0.33
- Add /tftpboot directory (#88204)

* Mon Feb 24 2003 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Sun Feb 23 2003 Tim Powers <timp@redhat.com>
- add BuildPreReq on tcp_wrappers

* Wed Jan 22 2003 Tim Powers <timp@redhat.com>
- rebuilt

* Mon Nov 11 2002 Elliot Lee <sopwith@redhat.com> 0.32-1
- Update to 0.32

* Wed Oct 23 2002 Elliot Lee <sopwith@redhat.com> 0.30-1
- Fix #55789
- Update to 0.30

* Thu Jun 27 2002 Elliot Lee <sopwith@redhat.com>

```

- Try applying HJ's patch from #65476
  
- \*
  - Fri Jun 21 2002 Tim Powers <timp@redhat.com>
  - automated rebuild
  
- \* Mon Jun 17 2002 Elliot Lee <sopwith@redhat.com>
  - Update to 0.29
  
- \* Thu May 23 2002 Tim Powers <timp@redhat.com>
  - automated rebuild
  
- \* Wed Jan 09 2002 Tim Powers <timp@redhat.com>
  - automated rebuild
  
- \* Tue Dec 18 2001 Elliot Lee <sopwith@redhat.com> 0.17-15
  - Add patch4: netkit-tftp-0.17-defaultport.patch for bug #57562
  - Update to tftp-hpa-0.28 (bug #56131)
  - Remove include/arpa/tftp.h to fix #57259
  - Add resource limits in tftp-xinetd (#56722)
  
- \* Sun Jun 24 2001 Elliot Lee <sopwith@redhat.com>
  - Bump release + rebuild.
  
- \* Tue Jun 12 2001 Helge Deller <hdeller@redhat.de> (0.17-13)
  - updated tftp-hpa source to tftp-hpa-0.17
  - tweaked specfile with different defines for tftp-netkit and tftp-hpa version
  - use hpa's tftpd.8 man page instead of the netkits one
  
- \* Mon May 07 2001 Helge Deller <hdeller@redhat.de>
  - rebuilt in 7.1.x
  
- \* Wed Apr 18 2001 Helge Deller <hdeller@redhat.de>
  - fix tftp client's put problems (#29529)
  - 
  - update to tftp-hpa-0.16
  
- \* Wed Apr 4 2001 Jakub Jelinek <jakub@redhat.com>
  - don't let configure to guess compiler, it can pick up egcs
  
- \* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>
  - changed "wait" in xinetd file to "yes" (hpa-tftpd forks and exits) (#26467)
  - fixed hpa-tftpd to handle files greater than 32MB (#23725)
  - added "-l" flag to hpa-tftpd for file-logging (#26467)
  - added description for "-l" to the man-page
  
- \* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>
  - updated tftp client to 0.17 stable (#19640),

- drop dependency on xinetd for tftp client (#25051),
  
- \* Wed Jan 17 2001 Jeff Johnson <jbj@redhat.com>
- xinetd shouldn't wait on tftp (which forks) (#23923).
  
- \* Sat Jan 6 2001 Jeff Johnson <jbj@redhat.com>
- fix to permit tftp put's (#18128).
- startup as root with chroot to /tftpboot with early reversion to nobody is preferable to starting as nobody w/o ability to chroot.
- %%post is needed by server, not client. Add %%postun for erasure as well.
  
- \* Wed Aug 23 2000 Nalin Dahyabhai <nalin@redhat.com>
- default to being disabled
  
- \* Thu Aug 17 2000 Jeff Johnson <jbj@redhat.com>
- correct group.
  
- \* Tue Jul 25 2000 Nalin Dahyabhai <nalin@redhat.com>
- change user from root to nobody
  
- \* Sat Jul 22 2000 Jeff Johnson <jbj@redhat.com>
- update to tftp-hpa-0.14 (#14003).
- add server\_args (#14003).
- remove -D\_BSD\_SOURCE (#14003).
  
- \* Fri Jul 21 2000 Nalin Dahyabhai <nalin@redhat.com>
- cook up an xinetd config file for tftpd
  
- \* Wed Jul 12 2000 Prospector <bugzilla@redhat.com>
- automatic rebuild
  
- \* Sun Jun 18 2000 Jeff Johnson <jbj@redhat.com>
- FHS packaging.
- update to 0.17.
  
- \* Fri May 5 2000 Matt Wilson <msw@redhat.com>
- use \_BSD\_SOURCE for hpa's tftpd so we get BSD signal semantics.
  
- \* Fri Feb 11 2000 Bill Nottingham <notting@redhat.com>
- fix description
  
- \* Wed Feb 9 2000 Jeff Johnson <jbj@redhat.com>
- compress man pages (again).
  
- \* Wed Feb 02 2000 Cristian Gafton <gafton@redhat.com>
- man pages are compressed
- fix description and summary

- \*  
Tue Jan 4 2000 Bill Nottingham <notting@redhat.com>  
- split client and server
- \* Tue Dec 21 1999 Jeff Johnson <jbj@redhat.com>  
- update to 0.16.
- \* Sat Aug 28 1999 Jeff Johnson <jbj@redhat.com>  
- update to 0.15.
- \* Wed Apr 7 1999 Jeff Johnson <jbj@redhat.com>  
- tftpd should truncate file when overwriting (#412)
- \* Sun Mar 21 1999 Cristian Gafton <gafton@redhat.com>  
- auto rebuild in the new build environment (release 22)
- \* Mon Mar 15 1999 Jeff Johnson <jbj@redhat.com>  
- compile for 6.0.
- \* Fri Aug 7 1998 Jeff Johnson <jbj@redhat.com>  
- build root
- \* Mon Apr 27 1998 Prospector System <bugs@redhat.com>  
- translations modified for de, fr, tr
- \* Mon Sep 22 1997 Erik Troan <ewt@redhat.com>  
- added check for getpwnam() failure
- \* Tue Jul 15 1997 Erik Troan <ewt@redhat.com>  
- initial build

Found in path(s):

\* /opt/cola/permits/1108298343\_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftp.spec.in  
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\* /opt/cola/permits/1108298343\_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftpd/recvfrom.c  
\* /opt/cola/permits/1108298343\_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftpd/recvfrom.h  
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\* /opt/cola/permits/1108298343\_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftp/extern.h  
\*

/opt/cola/permits/1108298343\_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/common/tftpsubs.h

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Version 2.1, February 1999

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## 1.104 elfutils 0.180

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## 1.107 util-linux 2.36.0

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| NR | START | END   | SECTORS | SIZE | NAME | UUID        |
|----|-------|-------|---------|------|------|-------------|
| 1  | 32    | 7679  | 7648    | 3.7M |      | 8f8378c0-01 |
| 2  | 7680  | 16383 | 8704    | 4.3M |      | 8f8378c0-02 |
| 5  | 7936  | 12799 | 4864    | 2.4M |      |             |
| 6  | 12544 | 16127 | 3584    | 1.8M |      |             |

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```
WEV @@ WEV[B "1
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WEV[B "1

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## 1.112 gdbm 1.18.1

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Version 3, 29 June 2007

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%% winjs version 4.4.0 (<https://github.com/winjs/winjs>)

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# 1.117 gawk 5.1.0

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Ty Coon, President of Vice
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Version 3, 29 June 2007

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## 1.118 pcre 8.44

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```

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```
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under certain conditions; type `show c' for details.
```

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## 1.122 go-units 0.4.0

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## 1.123 iproute 5.9.0-1.el8

### 1.123.1 Available under license :

No license file was found, but licenses were detected in source scan.

```
/*
*-----
* msg_iproute.c - Message file for iproute facility
*
* July 17, 1990, Kevin Paul Herbert
*
```



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\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/msg\_iproute.rc

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/\*-----

\* router\_af\_actions\_registry.c

\*

\* Router address family actions registry.

\*

\* May 2002, Victor Kamensky

\*

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\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/router\_af\_actions\_registry.c

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/\* \$id: iprouting\_actions.c,v 3.2.60.2 1996/08/23 22:02:29 jserpa Exp \$

\* \$Source: /release/112/cvs/Xsys/iprouting/iprouting\_actions.c,v \$

\*-----

\* IP routing specific parsing functions.

\*

\* August 1994, Bruce Cole

\*

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\*-----

\* \$Log: iprouting\_actions.c,v \$

\* Revision 3.2.60.2 1996/08/23 22:02:29 jserpa

\* CSCdi67021: router ospf <as> gets nv-ramed in reverse order of

\* configuration

\* Branch: California\_branch

\*

\* Revision 3.2.60.1 1996/04/15 21:18:11 bcole

\* CSCdi54649: IP Host Modularity, IP Automatic Stub Routing feature

\* commit

\* Branch: California\_branch

\*

\* Revision 3.2 1995/11/17 17:34:38 hampton

\* Remove old entries from the RCS header logs.

\*  
\* Revision 3.1 1995/11/09  
12:08:28 shaker  
\* Bump version numbers from 2.x to 3.x.

\*  
\* Revision 2.1 1995/06/07 21:07:33 hampton  
\* Bump version numbers from 1.x to 2.x.

\*  
\*-----  
\* \$Endlog\$  
\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/iprouting\_actions.c  
No license file was found, but licenses were detected in source scan.

/\* \$Id\$  
\* \$Source\$  
\*-----  
\* iprouting\_registry.c  
\*  
\* September 2001, Fan Kong  
\*  
\* Copyright (c) 2001, 2003, 2005, 2007-2008 by cisco Systems, Inc.  
\* All rights reserved.  
\*-----  
\* \$Log\$  
\*-----  
\* \$Endlog\$  
\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/iprouting\_registry.c  
No license file was found, but licenses were detected in source scan.

/\* \$Id: iprouting\_setup.c,v 3.4.4.1 1996/06/28 01:21:03 snyder Exp \$  
\* \$Source: /release/112/cvs/Xsys/iprouting/iprouting\_setup.c,v \$  
\*-----  
\* IP Routing setup commands  
\*  
\* May 1993, Robert Widmer  
\*  
\* Copyright (c) 1993-2002, 2007-2008, 2010 by cisco Systems, Inc.  
\* All rights reserved.  
\*-----  
\* \$Log: iprouting\_setup.c,v \$  
\* Revision 3.4.4.1 1996/06/28 01:21:03 snyder

\* CSCdi61601: fix some char \* that should have been char [] in iprouting

\* Branch: California\_branch

\*

\* You get space back for the pointer

\* You get space back for each reference

\* You get bytes out of data space

\*

\* Revision 3.4 1996/03/09 22:56:04 widmer

\* CSCdi47890: HTTP server doesnt work

\* Add HTTP server

\*

\* Revision 3.3 1995/11/28 03:58:38 widmer

\*

CSCdi44175: Add setup\_printf to replace sprintf in setup code

\*

\* Revision 3.2 1995/11/17 17:34:53 hampton

\* Remove old entries from the RCS header logs.

\*

\* Revision 3.1 1995/11/09 12:08:42 shaker

\* Bump version numbers from 2.x to 3.x.

\*

\* Revision 2.1 1995/06/07 21:07:55 hampton

\* Bump version numbers from 1.x to 2.x.

\*

\*-----

\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/iprouting\_setup.c

No license file was found, but licenses were detected in source scan.

/\* \$Id\$

\* \$Source\$

\*-----

\* cfg\_route\_default.h

\*

\* September 2016, Yingzhen Qu

\*

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\*-----

\* \$Log\$

\*-----

\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/cfg\_route\_default.h

No license file was found, but licenses were detected in source scan.

/\* \$Id: cfg\_router\_timers.h,v 3.2.60.1 1996/04/15 21:17:46 bcole Exp \$

\* \$Source: /release/112/cvs/Xsys/iprouting/cfg\_router\_timers.h,v \$

\* -----

\* C F G \_ R O U T E R \_ T I M E R S . H

\*

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\* -----

\* \$Log: cfg\_router\_timers.h,v \$

\* Revision 3.2.60.1 1996/04/15 21:17:46 bcole

\* CSCdi54649: IP Host Modularity, IP Automatic Stub Routing feature

\* commit

\* Branch: California\_branch

\*

\* Revision 3.2 1995/11/17 17:32:28 hampton

\* Remove old entries from the RCS header logs.

\*

\* Revision 3.1 1995/11/09 12:06:09 shaker

\* Bump version numbers from 2.x to 3.x.

\*

\* Revision 2.1 1995/07/01 12:16:04 tli

\* CSCdi36508: Rationalize parser file placement, part I

\* Rationalize iprouting

\*

\* Revision 2.1 1995/06/07 22:13:13 hampton

\* Bump version numbers from 1.x to 2.x.

\*

\* -----

\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/internal\_inc/cfg\_router\_timers.h

No license file was found, but licenses were detected in source scan.

/\* \$Id\$

\* \$Source\$

\* -----

\* cfg\_routemap\_match\_ip.h -- IP specific route-map clauses

\*

\* March 1995 Tony Li

\*

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\* -----

```
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_routemap_match_ip.h
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$
* $Source$
*-----
* cfg_router_input-queue.h
*
* September 1997, Dawn Li
*
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* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_input-queue.h
No license file was found, but licenses were detected in source scan.
```

```
/*
*-----
* cfg_router_topology_mode.h - router topology configuration sub mode
* commands.
*
* Sept 2004, Mercia Zheng
*
* Copyright (c) 2004, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_router_topology_mode.h
No license file was found, but licenses were detected in source scan.
```

```
/*-----
* routemap_api.h -- Dynamic routemap API definitions.
*
```

```
* May 2003, Tanya Shastri
*
* Copyright (c) 2003, 2005-2009, 2011, 2013, 2015, 2018-2019 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/routemap_api.h
No license file was found, but licenses were detected in source scan.
```

```
/*
*-----
* msg_routemap.c -- Message system definitions for Route-map
*
* Copyright (c) 2003, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/msg_routemap.c
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$
* $Source$
*-----
* iprouting_init_ionized.c - ION specific IP Routing Protocol support.
*
* September 2001, Chandra Appanna
*
* Copyright (c) 2001-2012 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_init_ionized.c
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$
* $Source$
*-----
* IP routing clear commands
*
*/
```

```
* May 1993, Robert Widmer
*
* Copyright (c) 1993-1999, 2001-2002, 2004-2010 by cisco Systems, Inc.
* All rights reserved.
*
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_clear_ip_routing.h
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$
* $Source$
*-----
* iprouting_debug.c -- Debugging routines for IP routing
*
* May 1993, John Bashinski
*
* Copyright (c) 1993-2010, 2019 by Cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_debug.c
No license file was found, but licenses were detected in source scan.
```

```
/*
*
*-----
* Generic route tag list support.
*
* June 2011, Karthik Subramaniam
*
* Copyright (c) 1997-2008, 2010-2012 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Endlog$
*/
```

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/routetag\_list.h

No license file was found, but licenses were detected in source scan.

/\*

\*-----

\* C F G \_ R O U T E R \_ B F D . H

\*

\* Copyright (c) 2004-2008, 2010-2011, 2015 by cisco Systems, Inc.

\* All Rights Reserved

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/cfg\_router\_bfd.h

No license file was found, but licenses were detected in source scan.

/\*

\*-----

\* route\_map\_ion.h - Route map support data structures specific to ION.

\*

\* January 2002, Siva Yaragalla

\*

\* Copyright (c) 2002-2009, 2011 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/internal\_inc/route\_map\_ion.h

No license file was found, but licenses were detected in source scan.

/\*

\*-----

\* network\_constants.h -- General Networking Constants

\*

\* June 2002, interest-idb

\*

\* Copyright (c) 2002-2004, 2007-2008 by cisco Systems, Inc.

\* All rights reserved.

\*

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/network\_constants.h

No license file was found, but licenses were detected in source scan.

/\*-----



```

* route3_blob.c
*
* IOS and blob specific route3.c parser functions.
*
* March 2002, Victor Kamensky
*
* Copyright (c) 2002-2003, 2005, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route3_blob.c
No license file was found, but licenses were detected in source scan.

```

```

/* $Id: cfg_router.h,v 3.2.60.2 1996/08/12 16:03:38 widmer Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_router.h,v $
*-----
* C F G _ R O U T E R . H
*
* Enter router subcommand mode
*
* Copyright (c) 1992-2002, 2005, 2007-2009, 2015, 2017-2018 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log: cfg_router.h,v $
* Revision 3.2.60.2 1996/08/12 16:03:38 widmer
* CSCdi65725: Create Eolns macro that defaults csb->which to 0
* Branch: California_branch
* Add Eolns and Nvgenns macro that default csb->which to 0
* Remove hidden keyword help strings
*
* Revision 3.2.60.1 1996/04/15 21:17:43 bcole
* CSCdi54649: IP Host Modularity, IP Automatic Stub Routing feature
* commit
* Branch: California_branch
*
* Revision 3.2 1995/11/17 17:31:56 hampton
* Remove old
entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:05:20 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/07/01 12:15:46 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*

```

\* Revision 2.1 1995/06/07 22:12:17 hampton

\* Bump version numbers from 1.x to 2.x.

\*

\*-----

\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/cfg\_router.h

No license file was found, but licenses were detected in source scan.

/\*

\*-----

\* routemap\_debug\_flags.h -- Routemap debugging support

\*

\* July 1998, Wilber Su

\*

\* Copyright (c) 1998, 2004, 2007-2008, 2014 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/routemap\_debug\_flags.h

No license file was found, but licenses were detected in source scan.

/\*

\*-----

\* IOS prefix list support.

\*

\* March 2005, Sarath Chandran

\*

\* Copyright (c) 2005, 2007-2008 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\*

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/ip\_prefixlist\_ios.c

No license file was found, but licenses were detected in source scan.

/\*

\*-----

\* cfg\_router\_auto\_summary.h

\*

\* October 1993

\*

```
* Copyright (c) 1993-1996, 1999-2009 by cisco Systems, Inc.
* All rights reserved.
*
* Supports the router subcommand "auto-summary". Configures auto aggregation
* of routing information to the network number level.
*-----
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/cfg_router_auto_summary.h
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$
* $Source$
*-----
* router_topology_chain.c - Parser chains of router topology sub mode
*   for multi-topology routing support
* Sept 2004, Mercia Zheng
*
* Copyright (c) 2004-2010, 2019 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/router_topology_chain.c
No license file was found, but licenses were detected in source scan.
```

```
/*-----
* routing_context.c
*
* This file has global definitions for routing context support
* common to blob and iprouting proceses.
*
* March 2009, Derek Yeung
*
* Copyright (c) 2009 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routing_context.c
```

No license file was found, but licenses were detected in source scan.

```
/* $Id: cfg_routemap_set_policy.h,v 3.3.52.1 1996/05/21 09:53:12 thille Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_routemap_set_policy.h,v $
*-----
* cfg_routemap_set_policy.h -- Policy specific route map clauses
*
* Mar 1995 Tony Li
*
* Copyright (c) 1995-1996, 2000, 2002, 2004, 2007-2009 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log: cfg_routemap_set_policy.h,v $
* Revision 3.3.52.1 1996/05/21 09:53:12 thille
* CSCdi51599: multiple /interface/ literals bloat code.
* Branch: California_branch
* Save another 392 bytes by doing away with duplicate literals.
*
* Revision 3.3 1995/11/28 19:50:39 widmer
* CSCdi44251: Replace Ifelse(csb->in_help)/Eval with Func
*
* Revision 3.2 1995/11/17 17:31:55 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:05:18 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.3 1995/06/21 18:16:03 widmer
* CSCdi36227: Fix parse chain alternates
*
* Revision 2.2 1995/06/15 15:18:47 widmer
* CSCdi35889: parser transition structures should be static
*
* Revision 2.1 1995/06/07 21:05:42 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/include/cfg_routemap_set_policy.h
```

No license file was found, but licenses were detected in source scan.

```
/*
*-----
* route_map_registry.h -- Registration Points for Route Maps support in ION
```

\*  
\* July 2001, Siva Yaragalla  
\*  
\* Copyright (c) 2001, 2003, 2005, 2007-2008 by cisco Systems, Inc.  
\* All rights reserved.  
\*-----  
\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/route\_map\_registry.h  
No license file was found, but licenses were detected in source scan.

/\*  
\*-----  
\* route\_map\_nbcmn.c -- Route map support non-Blob common routines  
\*  
\* October 2001, Siva Yaragalla  
\*  
\* Copyright (c) 2001-2013, 2018, 2020 by cisco Systems, Inc.  
\* All rights reserved.  
\*-----  
\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/route\_map\_nbcmn.c  
No license file was found, but licenses were detected in source scan.

/\*-----  
\* routing\_context.h - Routing Context library API  
\*  
\* March 2009, Derek Yeung  
\*  
\* Copyright (c) 2009 by cisco Systems, Inc.  
\* All rights reserved.  
\*-----  
\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/routing\_context.h  
No license file was found, but licenses were detected in source scan.

/\*  
\*-----  
\* routemap\_track\_ios.c -- Route map support for tracking  
\*                    Functions shared by rp & vip.  
\*  
\* March 2003 Shyan Wignarajah  
\*  
\*-----  
\*/

\* Copyright (c) 2003-2010, 2013-2014, 2016 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/routemap\_track\_ios.c

No license file was found, but licenses were detected in source scan.

/\*

\*-----

\* IP routing table flap statistics collection facility.

\*

\* Nov 1996, Ravi Chandra

\*

\* Copyright (c) 1995-1998, 2001-2005, 2007-2010 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/iprouting\_stats.c

No license file was found, but licenses were detected in source scan.

/\*

\*-----

\* route\_capability.h

\*

\* August 2003, Peter Psenak

\*

\* Copyright (c) 2003-2004, 2007-2009, 2011, 2015 by Cisco Systems, Inc.

\* All rights reserved.

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/route\_capability.h

No license file was found, but licenses were detected in source scan.

/\*-----

\* route\_map\_registry.c

\*

\* July 2001, Siva Yaragalla

\*

\* Copyright (c) 2001, 2003, 2007-2008 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/route\_map\_registry.c

No license file was found, but licenses were detected in source scan.

/\* \$Id\$

\* \$Source\$

\*-----

\* cfg\_routemap\_set\_ip.h -- IP specific route-map clauses

\*

\* Mar 1995 Tony Li

\*

\* Copyright (c) 1995-1998, 2000-2004, 2006-2013, 2016, 2019 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\* \$Log\$

\*-----

\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/cfg\_routemap\_set\_ip.h

No license file was found, but licenses were detected in source scan.

/\*

\*-----

\* routemap\_internal.h

\*

\* Route map support data structures.

\* To be included only by routemap code.

\*

\* Copyright (c) 1986-2003, 2005-2009, 2011, 2013-2015, 2018 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/routemap\_internal.h

No license file was found, but licenses were detected in source scan.

/\* \$Id: cfg\_ip\_prefixlist.h,v 3.1.2.2 1998/02/23 19:43:42 enkechen Exp \$

\* \$Source: /release/111/cvs/Xsys/ip/cfg\_ip\_prefixlist.h,v \$

\*-----

\* cfg\_ip\_prefix.h -- IP Prefix List Parser Commands

\*

\* June 1997, Enke Chen

\*

\* Copyright (c) 1997-2001, 2004, 2007-2008, 2019 by cisco Systems, Inc.

```

* All rights reserved.
*-----
* $Log: cfg_ip_prefixlist.h,v $
* Revision 3.1.2.2 1998/02/23 19:43:42 enkechen
* CSCdj75270: Prefix-list: optimization for downloading large lists
* Branch: FIB_branch
*
* Revision 3.1.2.1 1997/12/17 21:36:57 enkechen
* CSCdj61356: Prefix-list - facility for efficient route filtering
* Branch: FIB_branch
*
* Revision 3.1 1997/12/17 01:46:33 enkechen
* Start with the new file.
*
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_ip_prefixlist.h
No license file was found, but licenses were detected in source scan.

```

```

/* $Id$
* $Source$
*-----
* cfg_router_flash-threshold.h
*
* January 1998, 2001 Dawn Li
*
* Copyright (c) 1998-1999, 2001, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_flash-
threshold.h
No license file was found, but licenses were detected in source scan.

```

```

/*
*-----
* routemap_ios.c -- Route map support routines that can be shared
* by RP and VIP/LC
*
* July 1998 Wilber Su

```



\*  
\* Copyright (c) 1998-2020 by cisco Systems, Inc.  
\* All rights reserved.  
\*-----  
\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/routemap\_ios.c  
No license file was found, but licenses were detected in source scan.

/\*  
\*-----  
\* policylist\_ios.c - IOS stubs for notification routines  
\*           in policylist code  
\*  
\* Jun 2005, Tony P. Ambalathingal  
\*  
\* Copyright (c) 2003, 2005, 2007-2008 by cisco Systems, Inc.  
\* All rights reserved.  
\*-----  
\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/policylist\_ios.c  
No license file was found, but licenses were detected in source scan.

/\*  
\*-----  
\* route\_map\_http\_ion.c  
\*  
\* March, 2003 Phil Winterfield  
\*  
\*  
\* Copyright (c) 2003-2004, 2006-2008 by cisco Systems, Inc.  
\* All rights reserved.  
\*-----  
\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/route\_map\_http\_ion.c  
No license file was found, but licenses were detected in source scan.

/\*-----  
\* route\_map\_globs.c  
\*  
\* This file has the route map globals common to blob (for lc images)  
\* and routing process(for routing images).  
\*  
\*

\* Copyright (c) 2002-2005, 2007-2008 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/route\_map\_globs.c

No license file was found, but licenses were detected in source scan.

# All rights reserved.

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-

tar/iprouting\_cmn/include/reg/route\_map\_registry.reg

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-

tar/iprouting\_cmn/include/reg/router\_topology\_registry.reg

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/makefile

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-

tar/iprouting\_cmn/include/reg/ion\_iprouting\_cmd\_registry.reg

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-

tar/iprouting\_cmn/include/reg/router\_af\_actions\_registry.reg

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/.signature/makefile

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-

tar/iprouting\_cmn/include/reg/routing\_context\_registry.reg

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/reg/iprouting\_registry.reg

\*

/opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/reg/lfafrf\_registry.reg

No license file was found, but licenses were detected in source scan.

/\*

\*-----

\* ip\_prefixlist\_ion.h - IP Prefix Lists support for ION

\*

\* June 2002, Siva Yaragalla

\*

\* Copyright (c) 2002, 2005, 2007-2017 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/ip\_prefixlist\_ion.h

No license file was found, but licenses were detected in source scan.

/\* \$Id: cfg\_router\_distribute.h,v 3.3.50.2.6.1 1996/09/12 19:08:19 perry1 Exp \$

\* \$Source: /release/112/cvs/Xsys/iprouting/cfg\_router\_distribute.h,v \$

\*-----

\* C F G \_ R O U T E R \_ D I S T R I B U T E . H

```

*
* Copyright (c) 1992-2001, 2003-2012, 2015-2016, 2018 by cisco Systems, Inc.
* All Rights Reserved
*-----
* $Log: cfg_router_distribute.h,v $
* Revision 3.3.50.2.6.1 1996/09/12 19:08:19 perry1
* Branch: Att-branch
* Allow virtual-access interface for distribute-list
*
* Revision 3.3.50.2 1996/08/12 16:03:44 widmer
* CSCdi65725: Create Eolns macro that defaults csb->which to 0
* Branch: California_branch
* Add Eolns and Nvgenns macro that default csb->which to 0
* Remove hidden keyword help strings
*
* Revision 3.3.50.1 1996/05/04 01:21:18 wilber
* Branch: California_branch
*
* Constrained Multicast Flooding
* - Define MOSPF hello option bit.
*
* Name Access List
*
* Revision 3.3 1995/12/04 06:47:13 tli
* CSCdi43559: IP: distribute-list 101 out should work
*
* Revision 3.2 1995/11/17 17:32:10 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:05:34 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/07/01 12:15:52 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:12:36 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/cfg_router_distribute.h

```

No license file was found, but licenses were detected in source scan.

```
/*
*-----
* policylist_blob.c - Routines to handle policy-list commands.
*     Common for IOS and ION Blob.
*
* November 2003, Siva Yaragalla
*
* Copyright (c) 2003-2008, 2010 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/policylist_blob.c
No license file was found, but licenses were detected in source scan.
```

```
/*-----
* ip_stats.c - IP for topology aware stats
*
* April 2006, Jonsky Hsu
*
* Copyright (c) 2006-2010 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ip_stats.c
No license file was found, but licenses were detected in source scan.
```

```
/*-----
* IP routemap test commands
*
* May 2003, Tanya Shastri
*
* Copyright (c) 2003, 2005-2008, 2011-2013, 2015, 2018-2019 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_test_ip_routemap.h
No license file was found, but licenses were detected in source scan.
```

```
/*-----
* route_map_def.h - Route Map Tyep Definition
```

\*  
\* Feb, 2006 Allen Hu  
\*  
\* Copyright (c) 2006-2008, 2017 by cisco Systems, Inc.  
\* All rights reserved.  
\*-----  
\*/

Found in path(s):

\*/opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/route\_map\_def.h  
No license file was found, but licenses were detected in source scan.

/\*  
\*-----  
\* ip\_prefixlist\_ionized.c - IP Prefix Lists support for ionized processes  
\*  
\* August 2001, Siva Yaragalla  
\*  
\* Copyright (c) 2001-2004, 2007-2008 by cisco Systems, Inc.  
\* All rights reserved.  
\*-----  
\*/

Found in path(s):

\*/opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/ip\_prefixlist\_ionized.c  
No license file was found, but licenses were detected in source scan.

/\*\$Id: cfg\_router\_maximum-paths.h,v 3.2 1995/11/17 17:32:11 hampton Exp \$  
\* \$Source: /swtal/cherf.111/ios/sys/iprouting/cfg\_router\_maximum-paths.h,v \$  
\*-----  
\* cfg\_router\_maximum-paths.h  
\*  
\* <July> 1994 rchandra  
\*  
\* Copyright (c) 1994-2016, 2019 by cisco Systems, Inc.  
\* All rights reserved.  
\*-----  
\* \$Log: cfg\_router\_maximum-paths.h,v \$  
\* Revision 3.2 1995/11/17 17:32:11 hampton  
\* Remove old entries from the RCS header logs.  
\*  
\* Revision 3.1 1995/11/09 12:05:39 shaker  
\* Bump version numbers from 2.x to 3.x.  
\*  
\* Revision 2.1 1995/07/01 12:15:53 tli  
\* CSCdi36508: Rationalize parser file placement, part I  
\* Rationalize iprouting  
\*  
\*/

\* Revision 2.1 1995/06/07 22:12:44 hampton

\* Bump version numbers from 1.x to 2.x.

\*

\*-----

\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-

tar/iprouting\_cmn/internal\_inc/cfg\_router\_maximum-paths.h

No license file was found, but licenses were detected in source scan.

/\*-----

\* router\_af\_actions.h

\*

\* Router Address Family action declarations.

\*

\* May 2002, Victor Kamensky

\*

\* Copyright (c) 2002, 2004-2005, 2007-2008 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/router\_af\_actions.h

No license file was found, but licenses were detected in source scan.

/\*

\*-----

\* ion\_iprouting\_cmd\_registry.c

\*

\* September 2001, Rashmi Shrivastava

\*

\* Copyright (c) 2001, 2003, 2005-2008 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/ion\_iprouting\_cmd\_registry.c

No license file was found, but licenses were detected in source scan.

/\*

\*-----

\* protofltr.h

\*

\* Routing protocol filter manager Public API definitions

```
*
* Jan 2006, Mercia Zheng
*
* Copyright (c) 2005-2011, 2020 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/protofltr.h
```

No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*-----
* cfg_router_validate.h
*
* Nob to allow user to decide whether or not system should sanity check
* source IP address of incoming routing updates.
*
* March 1994, Bruce Cole
*
* Copyright (c) 1994-2002, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_validate.h
```

No license file was found, but licenses were detected in source scan.

```
/* $Id: exec_show_route-map.h,v 3.2.60.1 1996/08/12 16:04:13 widmer Exp $
* $Source: /release/112/cvs/Xsys/iprouting/exec_show_route-map.h,v $
*-----
* exec_show_route-map.h
*
* Copyright (c) 1993-1996, 1998, 2003-2008, 2011 by cisco Systems, Inc.
* All rights reserved.
*
* Command parsing chain for "show route-map".
*-----
* $Log: exec_show_route-map.h,v $
* Revision 3.2.60.1 1996/08/12 16:04:13 widmer
* CSCdi65725: Create Eolns macro that defaults csb->which to 0
```

\* Branch: California\_branch  
\* Add Eolns and Nvgenns macro that default csb->which to 0  
\* Remove hidden keyword help strings  
\*  
\* Revision 3.2 1995/11/17 17:33:31 hampton  
\* Remove old entries from the RCS header logs.  
\*  
\* Revision 3.1 1995/11/09 12:07:29 shaker  
\* Bump version numbers from 2.x to 3.x.  
\*  
\*

Revision 2.1 1995/07/01 12:16:22 tli

\* CSCdi36508: Rationalize parser file placement, part I  
\* Rationalize iprouting  
\*

\* Revision 2.1 1995/06/07 22:25:36 hampton  
\* Bump version numbers from 1.x to 2.x.  
\*

\*-----  
\* \$Endlog\$  
\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/exec\_show\_route-map.h  
No license file was found, but licenses were detected in source scan.

/\*  
\*-----  
\* routemap\_debug.h -- Routemap debugging support  
\*  
\* July 1998, Wilber Su  
\*  
\* Copyright (c) 1998, 2004, 2007-2008 by cisco Systems, Inc.  
\* All rights reserved.  
\*-----  
\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/routemap\_debug.h  
No license file was found, but licenses were detected in source scan.

/\*  
\*-----  
\* exec\_debug\_routemapapi.h -- Debugging for Route-map API  
\*  
\* May 2003, Tanya Shastri  
\*  
\* Copyright (c) 2003-2004, 2007-2008, 2014 by cisco Systems, Inc.



\* All rights reserved.

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-

tar/iprouting\_cmn/include/exec\_debug\_routemapapi.h

No license file was found, but licenses were detected in source scan.

/\* \$Id\$

\* \$Source\$

\*-----

\* iprouting\_commands.h -- Support for extern command function declaration

\*

\* September 2001, Rashmi Shrivastava

\*

\* Copyright (c) 2001-2010, 2013, 2016 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\* \$Log\$

\*-----

\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-

tar/iprouting\_cmn/internal\_inc/iprouting\_commands.h

No license file was found, but licenses were detected in source scan.

/\*

\* P A R S E R \_ D E F S \_ R O U T E R . H

\*

\* \$Id: parser\_defs\_router.h,v 3.1.40.2 1996/07/30 06:56:06 rchandra Exp \$

\* \$Source: /release/112/cvs/Xsys/iprouting/parser\_defs\_router.h,v \$

\*

\* Copyright (c) 1985-2020 by cisco Systems, Inc.

\* All rights reserved.

\*

\*-----

\* \$Log: parser\_defs\_router.h,v \$

\* Revision 3.1.40.2 1996/07/30 06:56:06 rchandra

\* CSCdi64489: BGP: private-AS number cannot be removed from AS-path

\* Branch: California\_branch

\* - add 'neighbor x.x.x.x remove-private-AS' command.

\* - add 'inbound' keyword to 'neighbor x.x.x.x soft-reconfiguration'

\* command (CSCdi64487)

\*

\* Revision 3.1.40.1 1996/04/16 19:02:10 rchandra

```

* CSCdi54830: IP features commit
* Branch: California_branch
*
* Revision 3.1 1996/02/01 04:58:48 hampton
* Migrate files out of the parser directory. [CSCdi47717]
* Step 1: Create
copies of the files to be moved in their new location.
*
* Revision 3.2 1995/11/17 18:52:17 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:56:05 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.4 1995/08/28 21:14:47 rchandra
* CSCdi39436: BGP : Allow conditional unsuppression of suppressed routes
* - add 'neighbor x.x.x.x unsuppress-map <map>' command
*
* Revision 2.3 1995/07/06 23:11:21 rchandra
* CSCdi36759: BGP : Add conditional per neighbor default generation
* - add 'neighbor <x.x.x.x> default-originate route-map <tag>' command.
*
* Revision 2.2 1995/06/30 20:24:40 rchandra
* CSCdi36620: BGP requires IBGP neighbors to be fully meshed
*
* Revision 2.1 1995/06/07 22:31:08 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/parser_defs_router.h
No license file was found, but licenses were detected in source scan.

```

```

#-----
# iproutingcmn_router_cmd.run-doxygen -- Run-doxygen Configuration File for
#           IP Routing Common Router Commands
#
# December 2007, Chi Iong Ansjory
#
# Copyright (c) 2007-2008, 2012 by cisco Systems, Inc.
# All rights reserved.
#-----

#-----
# RUN-DOXYGEN CONFIG FILE

```

```

#
# The variables defined in this file are used by the run-doxxygen script to
# execute doxygen and generate API documentation.
# This file will be sourced by a bourne shell script (/bin/sh)
# and so must follow the bourne shell script syntax
#
# This default configuration file is setup to work for the XOS project.
# If you want to reuse it, you must customize the properties below in order to
# make it work for your project.

#
# For more help contact doxygen-trolls@cisco.com
#-----

# The PROJECT_NAME variable is a single word (or a sequence of words surrounded
# by quotes) that should identify the project.

PROJECT_NAME=IPROUTINGCMN_ROUTER_CMD

# The PROJECT_NUMBER tag can be used to enter a project or revision number.
# This could be handy for archiving the generated documentation or
# if some version control system is used.

PROJECT_NUMBER=0.1.0.2

# The latest version of doxygen can be picked on the shared storage
# of the XOS/Component Framework team
# This executable can only run on linux 2.6 !!!!
#DOXYGEN=/auto/ios_comp/tools/doxygen-1.5.4/bin/doxygen
# Change this sanity check when doxygen will be supported for other hosts
#host=`uname -s`
#host_version=`uname -r`
#if [ $host != "Linux" ]; then
#  echo "Error: this wrapper can only be executed from Linux"
#  exit
#fi
#if [ $host_version \< "2.6" ]; then
#  echo "Error:
#  this wrapper requires Linux 2.6 or higher"
#  exit
#fi
#
#
# The location of the latex suite, this is needed only if the PDF
# generation option is used (-f)
# This binary is also only available on linux 2.6
#
#LATEX_PATH=/auto/ios_comp/tools/tetex/bin/i686-pc-linux-gnu

```

```

#LATEX_PATH=/usr/bin
#
#-----

# Use this variable to specify one or more wildcard pattern (like *.cpp
# and *.h) to filter out the source-files in the directories.

FILE_PATTERNS="ip_stats.h iprouting_debug.h router_af_actions_registry.regh"

# Exclude all internal defines (defines used to guard against multiple
# inclusions of the same header file)
EXCLUDE_SYMBOLS="__*_H__ reg_add* reg_delete* service_* reg_used* \
_reg_add* reg_inv_* reg_svr* _registry_* registry* REG_ELOG *_GEN_ID \
*_DEFINED *_argt *_res \
bgp* ospf* debug* route_debug* igmp* ipcache* ipproc* ip_mobile* netred* \
iprouting_acl DEBUG_ROUTING_PROT MISC_DEBUG_VARS \
DEBUG_ROUTING*
ALTP_BGF* __DEBUG_FLAGS* \
iprouting_debug_init iprouting_set_debug_array iprouting6_debug_list_command \
iprouting_debug_list_command iprouting_nsap_debug_list_command \
iprouting_debug_acl_notify \
reg_invoke_address_family_action_get_entries \
reg_invoke_address_family_action_nvgen_exit"

# When all symbols in a project start with a common prefix, by default all
# symbols will be put under the same header in the alphabetical index.
# The IGNORE_PREFIX tag can be used to specify one or more prefixes that
# should be ignored while generating the index headers. This will allow
# to spread the symbol index more evenly.

IGNORE_PREFIX="xos_XOS_"

# If the EXTRACT_ALL tag is set to YES doxygen will assume all entities in
# documentation are documented, even if no documentation was available.
# Private class members and static file members will be hidden unless
# the EXTRACT_PRIVATE and EXTRACT_STATIC tags are set to YES

EXTRACT_ALL=YES

# If the EXTRACT_STATIC tag is set to
YES all static members of a file
# will be included in the documentation.

EXTRACT_STATIC=YES

# If the HIDE_UNDOC_MEMBERS tag is set to YES, Doxygen will hide all
# undocumented members of documented classes, files or namespaces.
# If set to NO (the default) these members will be included in the

```

```

# various overviews, but no documentation section is generated.
# This option has no effect if EXTRACT_ALL is enabled.

HIDE_UNDOC_MEMBERS=NO

#-----
# VARIABLES RELATED TO DOXYGEN OUTPUT

# This is the root of the destination folder (local variable)
# Note that the archive area and the workspace area do not have to share the
# same destination root.
DST_BASE=/auto/ios_comp/iprouting_cmn

# This is the URL through which the DST_BASE folder can be accessed
# from the intranet. This URL depends on the location of the storage.
# Contact IT to find out the correct URL.
# (Local variable)
URL_DST_BASE=http://sjc-filer29a-web/projects/ios_comp/iprouting_cmn

#
# --- WORKSPACE AREA
# Relative path (to DST_BASE) - used by OUTPUT_WORKSPACE (local variable)
WORKSPACE_FOLDER=api-docs

# This is the full pathame of the root under which all normal output folders will be located
OUTPUT_WORKSPACE=$DST_BASE/$WORKSPACE_FOLDER

# This is the URL of the above OUTPUT_WORKSPACE directory
# Only used for displaying where to access the documentation after the doxygen run
URL_WORKSPACE=$URL_DST_BASE/$WORKSPACE_FOLDER

# --- ARCHIVE AREA
# Relative path (to DST_BASE) - used by OUTPUT_ARCHIVE (local variable)
ARCHIVE_FOLDER=archive/xoslib

# This is the full pathame of the root under which all archive output folders will be located
OUTPUT_ARCHIVE=$DST_BASE/$ARCHIVE_FOLDER

# This is the URL of the above OUTPUT_WORKSPACE directory
# Only used for displaying where to access the documentation after the doxygen run
URL_ARCHIVE=$URL_DST_BASE/$ARCHIVE_FOLDER

#-----
#
# VARIABLES RELATED TO DOXYGEN INPUT

# This is the root of the API source code (local variable)
SRC_BASE=/vob/cisco.comp/routing/iprouting_cmn

```

```

# This is the location of all the API public header files (or directories)
# In XOS all public header files are located in one directory
API_PUBLIC="$SRC_BASE/include $SRC_BASE/include/reg"
#API_PUBLIC="$SRC_BASE/include"

# This is the location of all the API source code, used with option -all only
# if you want to generate doxygen documentation for the source code
# (only useful for internal code review)
# Do not put the content of API_PUBLIC as it is added automatically
API_ALL="$SRC_BASE/shared $SRC_BASE/ios $SRC_BASE/iox $SRC_BASE/linux"

# The EXAMPLE_PATH tag can be used to specify one or more files or
# directories that contain example code fragments that are included (see
# the @example command).

```

```
EXAMPLE_PATH=$SRC_BASE/test/src
```

```

# The IMAGE_PATH tag can be used to specify one or more
# directories that contain image that are included
# in the documentation (see
# the @image command).
# This is only used/relevant if you have images in your API documentation.

```

```
IMAGE_PATH=$DST_BASE/api-docs-images
```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/docs/iproutingcmn_router_cmd.run-doxygen
No license file was found, but licenses were detected in source scan.

```

```

/* $Id: cfg_router_network.h,v 3.2.60.1 1996/08/12 16:03:46 widmer Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_router_network.h,v $
*-----
* C F G _ R O U T E R _ N E T W O R K . H
*
* Copyright (c) 1992-2002, 2004-2009, 2013, 2018 by cisco Systems, Inc.
* All Rights Reserved
*-----
* $Log: cfg_router_network.h,v $
* Revision 3.2.60.1 1996/08/12 16:03:46 widmer
* CSCdi65725: Create Eolns macro that defaults csb->which to 0
* Branch: California_branch
* Add Eolns and Nvgenns macro that default csb->which to 0
* Remove hidden keyword help strings
*
* Revision 3.2 1995/11/17 17:32:18 hampton
* Remove old entries from the RCS header logs.

```

```

*
* Revision 3.1 1995/11/09 12:05:49 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.2 1995/09/25 08:30:52
tli
* CSCdi40960: ISP jumbo patch 2
*
* Revision 2.1 1995/07/01 12:15:58 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:12:56 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/cfg_router_network.h
No license file was found, but licenses were detected in source scan.

```

```

/* $Id: exec_show_ip_prefixlist.h,v 3.1.2.1 1997/12/17 21:36:59 enkechen Exp $
* $Source: /release/111/cvs/Xsys/ip/exec_show_ip_prefixlist.h,v $
*-----
* exec_show_ip_prefixlist.h -- Show IP prefix lists
*
* July 1997 Enke Chen
*
* Copyright (c) 1994-1998, 2000-2001, 2007-2008, 2010 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log: exec_show_ip_prefixlist.h,v $
* Revision 3.1.2.1 1997/12/17 21:36:59 enkechen
* CSCdj61356: Prefix-list - facility for efficient route filtering
* Branch: FIB_branch
*
* Revision 3.1 1997/12/17 01:46:35 enkechen
* Start with the new file.
*
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_show_ip_prefixlist.h

```

No license file was found, but licenses were detected in source scan.

```
/*
*-----
* routemap_track.h -- Route map support for tracking
*
* March 2003 Shyan Wignarajah
*
* Copyright (c) 2003, 2006-2008, 2010, 2012-2014 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

`/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/routemap_track.h`

No license file was found, but licenses were detected in source scan.

```
/*
*-----
* Generic prefix list support - prefix lists private header file
*
* March 2002, Siva Yaragalla
*
* Copyright (c) 2002, 2004, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

`/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ip_prefixlist_private.h`

No license file was found, but licenses were detected in source scan.

```
/*
* $Id: route_map.h,v 3.3.12.6 1996/05/04 01:22:42 wilber Exp $
* $Source: /release/112/cvs/Xsys/iprouting/route_map.h,v $
*-----
* route_map.h
*
* Route map support data structures.
*
* Copyright (c) 1986-2020 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log: route_map.h,v $
* Revision 3.3.12.6 1996/05/04 01:22:42 wilber
* Branch: California_branch
*
* Constrained Multicast Flooding
```



- \* - Define MOSPF hello option bit.
- \*
- \* Name Access List
- \*
- \* Revision 3.3.12.5 1996/04/16 19:02:23 rchandra
- \* CSCdi54830: IP features commit
- \* Branch: California\_branch
- \*
- \* Revision 3.3.12.4 1996/04/05 03:46:42 rchandra
- \* CSCdi53755: BGP: flap dampening settings not flexible enough
- \* Branch: California\_branch
- \* - add route-map support to set flap dampening parameters
- \*
- \* Revision 3.3.12.3 1996/04/02 07:29:32 dkatz
- \* CSCdi52277: Redistribution metric problems with IGRP/EIGRP
- \* Branch: California\_branch
- \* Always store canonical metrics scaled for IGRP, and make EIGRP do
- \* its own scaling internally. Get the scaling right in all three
- \* places.
- \*
- \* Revision 3.3.12.2 1996/03/28 23:59:20 rchandra
- \* CSCdi52098: BGP: exact keyword not accepted by route-map in community
- \* match
- \* Branch: California\_branch
- \* - fix my silly bug in handling exact community matching
- \* - limit the range of valid community to 0xFFFF0000
- \* - fix a cosmetic bug in show ip community-list
- \*
- \* Revision 3.3.12.1 1996/03/28 22:28:27 rchandra
- \* CSCdi52880: BGP: generate error message for unsupported route-map
- \* options
- \* Branch: California\_branch
- \* - generate error message when unsupported route-map option is used
- \* - treat confederation EBGp neighbors similar to internal neighbors in
- \* best path selection
- \* - fix the bug in bgp\_compare\_med, so that
- \* during MED comparison,
- \* confederation information is skipped properly
- \* - confederation EBGp paths should be inserted into the IP table with
- \* internal distance
- \* - do not consider common-AS neighbors as confederation neighbors
- \* - during 'clear ip bgp dampening' avoid skipping paths
- \* - undo the patch to the radix version walker
- \*
- \* Revision 3.3 1996/02/17 01:23:27 myeung
- \* CSCdi49210: match tag clause does not work with static routes
- \*
- \* Revision 3.2 1995/11/17 17:37:17 hampton

```

* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:10:38 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.4 1995/09/25 08:31:20 tli
* CSCdi40960: ISP jumbo patch 2
*
* Revision 2.3 1995/07/12 07:19:12 tli
* CSCdi36426: Policy routing will not disable on an interface
* - Policy routed packets were creating fastswitching cache entries.
* That's not till _next_ release.
* - Add counters to record packet and byte count on a per
route map entry
* basis.
* - Marketing identified a catastrophic deficiency. Implemented "set ip
* tos" and "set ip precedence" to cover this deficiency.
*
* Revision 2.2 1995/07/06 23:12:41 rchandra
* CSCdi36759: BGP : Add conditional per neighbor default generation
* - add 'neighbor <x.x.x.x> default-originate route-map <tag>' command.
*
* Revision 2.1 1995/06/07 21:10:57 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/

```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/route_map.h
```

No license file was found, but licenses were detected in source scan.

```

/* $Id$
* $Source$
*-----
* C F G _ R O U T E R _ D E F A U L T S . H
*
* Copyright (c) 1992-2011, 2013, 2015-2016, 2019 by cisco Systems, Inc.
* All Rights Reserved
*-----
* $Log$
*-----
* $Endlog$
*/

```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_default.h
```

No license file was found, but licenses were detected in source scan.

```
/*-----  
* iprouting_common.h - Basic types for IP routing (IPv4/IPv6)  
*  
* Contains:  
* - address family enum,  
* - tableid type and related macros  
* - topoid type and related macros  
* - private topoid definitions and APIs  
* - generic non-routing ID definitions/APIs  
*  
* Warning: this file should not have any dependency on other header file  
* except those where basic C types are defined.  
*  
* June 2003, Luc Revardel  
*  
* Copyright (c) 2003-2013, 2016, 2018, 2020 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
*/
```

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/iprouting\_common.h

No license file was found, but licenses were detected in source scan.

```
/*-----  
* cfg_int_ip2_vnet_routing.h  
*  
* Interface VNET submode configuration IP commands.  
*  
* Copyright (c) 2009-2010 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
*/
```

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/cfg\_int\_ip2\_vnet\_routing.h

No license file was found, but licenses were detected in source scan.

```
/* $Id$  
* $Source$  
*-----  
* iprouting_init_blob.c -- Partner file (in blob) for iprouting_init.c  
*  
* 27-August-2001, Fan Kong
```

```
*
* Copyright (c) 2001-2011, 2015, 2019 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_init_blob.c
No license file was found, but licenses were detected in source scan.
```

```
/* $Id: exec_show_protocols.h,v 3.3.20.1 1996/08/12 16:04:12 widmer Exp $
* $Source: /release/112/cvs/Xsys/iprouting/exec_show_protocols.h,v $
*-----
* EXEC_SHOW_PROTOCOLS.H
*
* Copyright (c) 1992-1996, 2007-2009 by cisco Systems, Inc.
* All Rights Reserved
*-----
* $Log: exec_show_protocols.h,v $
* Revision 3.3.20.1 1996/08/12 16:04:12 widmer
* CSCdi65725: Create Eolns macro that defaults csb->which to 0
* Branch: California_branch
* Add Eolns and Nvgenns macro that default csb->which to 0
* Remove hidden keyword help strings
*
* Revision 3.3 1996/01/29 07:08:56 hampton
* Remove command number arguments passed to parse routines that only
* perform a single function. [CSCdi47717]
*
* Revision 3.2 1995/11/17 17:33:30 hampton
* Remove old entries from
the RCS header logs.
*
* Revision 3.1 1995/11/09 12:07:27 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/07/01 12:16:21 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:25:21 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
```

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/exec\_show\_protocols.h  
No license file was found, but licenses were detected in source scan.

/\* \$Id\$

\* \$Source\$

\*-----

\* IP routing show commands

\*

\* May 1993, Robert Widmer

\*

\* Copyright (c) 1993-2003, 2005, 2007-2011, 2013, 2015-2020 by cisco Systems, Inc.

\* All rights reserved.

\*

\*-----

\* \$Log\$

\*-----

\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/exec\_show\_ip\_routing.h  
No license file was found, but licenses were detected in source scan.

!-----

! iproutingcmn\_router\_cmd.sesut - IPv4 Routing Common Router

!       Commands Unit Test Routines

!

! December 2007, Chi Iong Ansjory

!

! Copyright (c) 2007 by cisco Systems, Inc.

! All rights reserved.

!-----

! Sample unit test description file.

! This file is used for generation of unit test module by SESUT.

! See [http://www.win-ses.cisco.com/unittest/sesut\\_ios.html](http://www.win-ses.cisco.com/unittest/sesut_ios.html) for

! information about SESUT.

!

! Include a description of your test here.

!

! This is made up of many sections. Each section header starts with % in

! first column. It is followed by the section identifier.

! Lines that have '!' in the first column are considered comments.

! Blank lines are ignored.

!

! You can report success/failure of your test by calling the following

! functions.  
! Call sesut\_<file prefix>\_testpass to indicate  
test success.  
! void sesut\_<file prefix>\_testpass(void);  
! Call sesut\_<file prefix>\_testfail to indicate test failure.  
! void sesut\_<file prefix>\_testfail(const char \*fmt, ... );  
! The length of the formatted string should be less than or equal  
! to 255. Else it will be truncated.  
! Prototypes for these functions are included in the header file that  
! is generated by SESUT.

#### % Cflow

! Enter the files/subsystems in the unit under test.  
! These files will be instrumented for Cflow and MIF(if MIF is  
! available in your view). GDB flag -g is used during compilation.  
! cflow\_list=\$(sub\_mif) xyz.o \$(my\_subsys) abc.o  
! This list is ignored if ses\_iouut is used. ses\_iouut instruments all files  
! in UUT(defined by -old and -new options).

#### % MIF

! Enter MIF configuration  
! If MIF configuration is not specified and cflow\_list is specified  
! then a default MIF configuration is used.

!./os/free.c  
!./os/buffers.c  
!./os/chunk.c  
!-----  
!malloc  
!malloc\_aligned  
!malloc\_fast  
!malloc\_pcimem  
!malloc\_named  
!chunk\_malloc  
!getbuffer  
!pool\_getbuffer

#### %

##### API

! Include DTD configuration.  
! Not all features of DTD are available with SESUT yet.  
! List headers/text that contain prototypes for the functions to be tested  
! for robustness followed by a line consisting of '-'s followed by  
! the list of functions to be tested for robustness.  
! It is assumed that a .h file that includes all the text listed above  
! the line consisting of '-'s is self-compiling in the same context as  
! the one used to compile the .sesut file and has the definitions of  
! all the objects whose pointers are referenced.

```

!master.h
!../testtools/testtools.h
!../testtools/testtools_private.h
!<stdio.h>
!void mynewapi(int,int);
!-----
!mif_enable
!mif_disable
!mif_clear
!mif_lock
!mynewapi

% env
! Use this section to list object modules that are not
! part of the standard build but are used by the tests defined in this
! file. The text following "link:" is inserted
! into the final link step.
!link: xyz.o abc.o
!
! Use this section to add any special 'CFLAGS' needed to compile sesut
! generated test file
!cflags: -I../http/http_core/include
!cflags: -I../http/http_core/server
!cflags: -I../ios_http_core/config -I../http/http_core/lib
!cflags: -DEW_CONFIG_OPTION_CLIENT_CACHE
!
! You can specify functions to be executed before and after the test.
! pretest is executed before executing the unit test and the posttest is
! executed after executing the unit test. These are executed once regardless
! of the repeat count. The prototypes of these functions are expected to be:
! void <pretest>(void);
! void <posttest>(void);
! Define these functions in the 'model prolog' section. Note that these
! are optional. You can have one or both or none.
!pretest:config_my_feature
!posttest:validate_results
! If want want your pretest/posttest functions to receive same
! parameters as the test then specify the functions as:
!pretest_withparams:config_my_feature
!posttest_withparams:validate_results
!
! The prototypes for these functions would be:
! void <pretest_withparams>(<types of parameters>)
! void <posttest_withparams>(<types of parameters>)
! Parameters are specified using "parameter:" keyword in % model" section.
! If both {pre|post}test and {pre|post}test_withparams are specified:
! pretest is executed before pretest_withparams.
! posttest is executed after posttest_withparams.

```

! You can specify a initializer/finalizer function to be executed  
! at the time of test initialization/removal.  
! Initializer is executed once during the lifetime of the current instance of  
! the test. If the test is part of the image then the initializer is executed  
! during subsystem initialization. If the test is a DLST(dynamically loaded)  
! then the initializer is executed just after the dynamic load.  
! The finalizer is executed when the test is removed (happens when the test is  
! being replaced).  
! Note that the subsystems in  
the DLST are not initialized. You must list the  
! subsystem init functions in the initializer function. Subsystem header is  
! ignored for DLST's. You will not see the subsystems for DLST's listed in  
! "show subsys" output.  
! Use initializer to perform tasks like registry addition, memory allocation etc.  
! Similarly use the finalizer to free these resources. This is an important  
! consideration. Treat them like constructor/destructor for the DLST.  
!  
! The prototypes of these functions are expected to be:  
! void <initializer>(void);  
! void <finalizer> (void);  
! Define these functions in the 'model prolog' section. Note that these  
! are optional. You can have one or both or none.  
!initializer:my\_init  
!finalizer:my\_finit

```
% model prolog iou
! This code will be copied unchanged to the start of the generated .c file
! Include definitions, declarations, include statements that
! are used in the model
! You can include stubs for the functions that are not ready yet but are
! invoked.
!  

! If you choose to have pretest and posttest functions include them here.
!  

! "model prolog " accepts additional keywords.
! dt - This is meaningful in automation environments. If the test you are
! creating alters global state then use "dt" keyword. This informs
! automation framework that device should be reloaded prior to
! running next test.
! iou - Use this keyword if the test can be executed under IOU.
! preinit - Use this if the test executes prior to system initialization.
! % model prolog dt
```

```
#include IOS_INC(testtools/sesutlib_ios.h)
#include <routing/iprouting_cmn/include/ip_stats.h>
#include <routing/iprouting_cmn/include/iprouting_debug.h>
```



```

#include <routing/iprouting_cmn/include/router_af_actions_registry.h>

boolean sesrc;

% model digraph
! Describe the model. You have structured your test as a
! directed graph. Start keywords in column 1. Start the code at an
! offset(2TABS). This line("model digraph") can have an optional keyword.
! That is "vdag".
! This would generate testcases representing various
! acyclic paths leading from the start node. These tests cover all nodes.
! This does not guarantee that all the edges are covered.
! If your test model is a tree(or hierarchical) or a DAG(Directed Acyclic
! Graph) then you should use this keyword.
!% model digraph vdag
! There are three keywords. They are
! start node <nodeIdentifier> - Specify the start node in the model
! node <nodeIdentifier>: - Begining of a node description.
!     Include descriptions for all edges starting at this node.
!     If there is code to be executed upon entry to this node
!     enter that immediatly following this line but before
!     entering any edge description.
! -><nodeIdentifier>: - Begining of an edge description. This describes an
!     edge from the node to &lt;n>
! Choose <nodeIdentifier> to be descriptive. Examples: AVLTreeInsert,
!     DBSearch, DetachLine
!
! These identifiers are used during runtime to present execution times
! and other data.
! You can specify parameters for your unit test as follows:
!parameters:(uint interface, char* hostname="abc", uint subInterface=1)
!This should come before the line specifying the start node.
!The parameters can be used in the code for nodes/edges. The values
!for parameters are received via CLI or as a result of direct invocation of
!the generated function. Parameters can be of type 'uint'
!or 'char*'. If values for parameters are provided on CLI defaults are used.
! You should provide default values. If default values are not specified
! then the tool would assign default values. If the type is "uint" the
! default value is 0. Else(type char*) the default value is "".
! During automation the default values are used. Use descriptive names
! for parameters.
start node StartNode
! You can place initialization code that needs to be executed
! prior to entering the start node here.
node StartNode:

!

```

===== 6 APIs from ip\_stats.h/ip\_registry.reg =====

! 1. DEFINE show\_ip\_interface\_with\_topo

```
(void) sesut_execcommand(FALSE, "show ip interface e0/0 topology base stats");  
printf("\n----- SESUT Test Reg: show_ip_interface_with_topo -----");
```

! 2. DEFINE clear\_ip\_interface\_with\_topo

```
(void) sesut_execcommand(FALSE, "clear ip interface e0/0 topology base stats");  
printf("\n----- SESUT Test Reg: clear_ip_interface_with_topo -----");
```

! 3. DEFINE show\_ip\_traffic\_with\_topo

```
(void) sesut_execcommand(FALSE, "show ip traffic topology base");  
printf("\n----- SESUT Test Reg: show_ip_traffic_with_topo -----");
```

! 4. DEFINE clear\_ip\_traffic\_with\_topo

```
(void) sesut_execcommand(FALSE, "clear ip traffic topology base");  
printf("\n----- SESUT Test: clear_ip_traffic_with_topo -----");
```

! 5. DEFINE show\_ip\_interface\_stats

```
(void) sesut_execcommand(FALSE, "show ip interface e0/0 stats");  
printf("\n----- SESUT Test Reg: show_ip_interface_stats -----");
```

! 6. DEFINE clear\_ip\_interface\_stats

```
(void) sesut_execcommand(FALSE,  
"clear ip interface e0/0 stats");  
printf("\n----- SESUT Test Reg: clear_ip_interface_stats -----");
```

! ===== 2 APIs from iprouting\_debug.h =====

! 1. void

```
! iprouting_debug_arr_ios_set_csb(struct parseinfo_ *csb);
```

```
!iprouting_debug_arr_ios_set_csb(NULL);  
printf("\n----- SESUT Test: iprouting_debug_arr_ios_set_csb() -----");
```

! 2. void

```
! iprouting_ios_call_debug_cmd(struct parseinfo_ *csb);
```

```
!iprouting_ios_call_debug_cmd(NULL);  
printf("\n----- SESUT Test: iprouting_ios_call_debug_cmd() -----");
```

! ===== 1 API from router\_af\_actions\_registry.reg =====

! 1. DEFINE address\_family\_action\_named\_router REMOTE 3

```
sesrc = reg_invoke_address_family_action_named_router(NULL);  
printf("\n---- SESUT Test Reg: address_family_action_named_router ----");
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-  
tar/iprouting_cmn/test/iproutingcmn_router_cmd.sesut  
No license file was found, but licenses were detected in source scan.
```

```
/*-----  
* route3_ionized.c  
*  
* ION specific route3.c parser functions.  
*  
* March 2002, Victor Kamensky  
*  
* Copyright (c) 2002, 2005-2008 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route3_ionized.c  
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$  
* $Source$  
*-----  
* Registry for IP routing infrastructure in ION  
*  
* September 2001, Fan Kong  
*  
* Copyright (c) 2001-2003, 2005, 2007-2008, 2010 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
* $Log$  
*-----  
* $Endlog$  
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/iprouting_registry.h  
No license file was found, but licenses were detected in source scan.
```

```
/* $Id: route_map.h,v 3.3.12.6 1996/05/04 01:22:42 wilber Exp $  
* $Source: /release/112/cvs/Xsys/iprouting/route_map.h,v $
```

```
*-----
* policylist.h -- Policy list support data structures
*
* April 2000, Rex Fernando
*
* Copyright (c) 2000, 2002-2003, 2005, 2007-2011 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/policylist.h
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$
* $Source$
*-----
* cfg_routemap_set.h
*
* Process route-map set subcommands.
*
* Copyright (c) 1992-1998, 2001-2003, 2007-2019 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_routemap_set.h
No license file was found, but licenses were detected in source scan.
```

```
/*
*-----
* routemap_ios_chain.c -- Route-map generic ios parse chains that
* will be in both RP and VIP/LC
*
* July 1998, Wilber Su
*
* Copyright (c) 1998, 2004-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_ios_chain.c
```

No license file was found, but licenses were detected in source scan.

```
/* $Id: cfg_router_distance.h,v 3.2.60.1 1996/05/04 01:21:16 wilber Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_router_distance.h,v $
*-----
* C F G _ R O U T E R _ D I S T A N C E . H
*
* The bgp version must come before the weight version so that both NVGEN
* and normal processing happen correctly.
*
* Copyright (c) 1992-1999, 2001-2010, 2015-2016, 2019-2020 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log: cfg_router_distance.h,v $
* Revision 3.2.60.1 1996/05/04 01:21:16 wilber
* Branch: California_branch
*
* Constrained Multicast Flooding
* - Define MOSPF hello option bit.
*
* Name Access List
*
* Revision 3.2 1995/11/17 17:32:05 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:05:29 shaker
* Bump version
  numbers from 2.x to 3.x.
*
* Revision 2.1 1995/07/01 12:15:50 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:12:30 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/cfg_router_distance.h
```

No license file was found, but licenses were detected in source scan.

```
/*
*-----
* protofltr_debug.c - Debug functions for protocol filter manager
```

\*  
\* Mercia Zheng, Jan 2006  
\*  
\* Copyright (c) 2006-2008 by cisco Systems, Inc.  
\* All rights reserved.  
\*-----  
\*/

Found in path(s):  
\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/protofltr\_debug.c  
No license file was found, but licenses were detected in source scan.

/\*  
\*-----  
\* cfg\_router\_topology.h - router topology configuration mode command  
\*  
\* Sept 2004, Mercia Zheng  
\*  
\* Copyright (c) 2004-2005, 2007-2009, 2013 by cisco Systems, Inc.  
\* All rights reserved.  
\*-----  
\*/

Found in path(s):  
\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/cfg\_router\_topology.h  
No license file was found, but licenses were detected in source scan.

/\*  
\*-----  
\* iprouting\_init\_ionblob.c -- IP Routing Init code for blog in ION only  
\*  
\* October 2001, Rashmi Shrivastava  
\*  
\* Copyright (c) 2001-2017 by cisco Systems, Inc.  
\* All rights reserved.  
\*-----  
\*/

Found in path(s):  
\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/iprouting\_init\_ionblob.c  
No license file was found, but licenses were detected in source scan.

/\* \$Id\$  
\* \$Source\$  
\*-----  
\* Registry for routing context for RP and LC common code.  
\*  
\* September 2009, Derek Yeung

```
*
* Copyright (c) 2009 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):  
\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/routing\_context\_registry.h  
No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*-----
* Address Family configuration mode commands.
*
* April 1998, Bob Thomas
*
* Copyright (c) 1998-1999, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):  
\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/internal\_inc/cfg\_af\_mode.h  
No license file was found, but licenses were detected in source scan.

```
/*-----
* ip_stats.h - IP for topology aware stats
*
* Feburary 2006, Jonsky Hsu
*
* Copyright (c) 2006-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):  
\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/ip\_stats.h  
No license file was found, but licenses were detected in source scan.

```
/*
*-----
* protofltr_debug_flags.h -- Protofltr manager debug flags declarations
*
* Jan 2006, Mercia Zheng
*
* Copyright (c) 2005-2008 by Cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/protofltr_debug_flags.h
No license file was found, but licenses were detected in source scan.
```

```
/*
*-----
* route_map_ionized.c - Route Maps support for IONized processes
*
* July 2001, Siva Yaragalla
*
* Route map subsystem for IOS style processes.
*
* Copyright (c) 2001-2009, 2011, 2016-2017 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route_map_ionized.c
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$
* $Source$
*-----
* C F G _ R O U T E R _ T A B L E - M A P . H
*
* Copyright (c) 1993-1996, 1999, 2001, 2003, 2005-2019 by cisco Systems, Inc.
* All Rights Reserved
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_router_table-map.h
```



No license file was found, but licenses were detected in source scan.

```
/*-----  
* iprouting_actions_registry.h  
*  
* Router address family actions registry.  
*  
* May 2002, Victor Kamensky  
*  
* Copyright (c) 2002-2003, 2007-2008, 2010 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-  
tar/iprouting_cmn/include/router_af_actions_registry.h  
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$  
* $Source$  
*-----  
* routing_context_registry.c  
*  
* September 2009, Derek Yeung  
*  
* Copyright (c) 2009 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
* $Log$  
*-----  
* $Endlog$  
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routing_context_registry.c  
No license file was found, but licenses were detected in source scan.
```

```
/* $Id: iprouting_actions.h,v 3.2 1995/11/17 17:34:39 hampton Exp $  
* $Source: /swtal/cherf.111/ios/sys/iprouting/iprouting_actions.h,v $  
*-----  
* IP routing specific parsing functions.  
*  
* August 1994, Bruce Cole  
*  
* Copyright (c) 1994, 2004-2008, 2015 by cisco Systems, Inc.  
* All rights reserved.  
*-----
```

```
* $Log: iprouting_actions.h,v $
* Revision 3.2 1995/11/17 17:34:39 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:08:30 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/06/07 21:07:35 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/iprouting_actions.h
No license file was found, but licenses were detected in source scan.
```

```
/*-----
* routemap_api.c -- Dynamic routemap APIs.
*
* May 2003, Tanya Shastri
*
* Copyright (c) 2003, 2005-2015, 2018-2019 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_api.c
No license file was found, but licenses were detected in source scan.
```

```
/*
*-----
* router_topology_parse.h
*
* Router topology parser functions declarations.
*
* Sept 2004, Mercia Zheng
*
* Copyright (c) 2004-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/router_topology_parse.h
```

No license file was found, but licenses were detected in source scan.

```
/* $Id: exec_debug_ip_routing.h,v 3.3.20.1 1996/06/27 04:40:57 mikel Exp $
* $Source: /release/112/cvs/Xsys/iprouting/exec_debug_ip_routing.h,v $
*-----
* IP routing debug commands
*
* May 1993, Robert Widmer
*
* Copyright (c) 1993-2003, 2005-2009, 2019 by cisco Systems, Inc.
* All rights reserved.
*
*-----
* $Log: exec_debug_ip_routing.h,v $
* Revision 3.3.20.1 1996/06/27 04:40:57 mikel
* CSCdi37749: <debug ip eigrp> help wrong
* Branch: California_branch
* clean up ip-eigrp AS debugging
*
* Revision 3.3 1996/02/01 23:34:07 widmer
* CSCdi45325: Change Keyword/Set to use Keyword_Id macro
*
* Revision 3.2 1995/11/17 17:33:17 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:07:09 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.2 1995/11/08 21:06:22 shaker
* Merge Arkansas_branch into 11.1 mainline.
*
* Revision 2.1 1995/07/01 12:16:15 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:18:58 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_debug_ip_routing.h
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
*-----
```

```
* protofltr_public.h
*
* Routing protocol filter manager Public API definitions
*
* Dec 2008, Mercia Zheng
*
* Copyright (c) 2008-2009 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/protofltr_public.h
No license file was found, but licenses were detected in source scan.
```

```
/* $Id: cfg_routemap_exit.h,v 3.2.60.1 1996/08/12 16:03:34 widmer Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_routemap_exit.h,v $
*-----
* cfg_routemap_exit.h
*
* exit - exit from route-map configuration mode
*
* Copyright (c) 1992-1996, 2007-2009 by cisco Systems, Inc.
* All Rights Reserved
*-----
* $Log: cfg_routemap_exit.h,v $
* Revision 3.2.60.1 1996/08/12 16:03:34 widmer
* CSCdi65725: Create Eolns macro that defaults csb->which to 0
* Branch: California_branch
* Add Eolns and Nvgenns macro that default csb->which to 0
* Remove hidden keyword help strings
*
* Revision 3.2 1995/11/17 17:31:42 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:05:03 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/07/01
 12:15:44 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:12:09 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
```

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/cfg\_routemap\_exit.h  
No license file was found, but licenses were detected in source scan.

/\*

\*-----  
\* iprouting\_parser\_macros.h - Routing macros moved out of  
\* sys/parser/macros.h

\*

\* November, 2004

\*

\* Copyright (c) 2004-2011, 2013, 2015, 2018 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\*

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-  
tar/iprouting\_cmn/include/iprouting\_parser\_macros.h  
No license file was found, but licenses were detected in source scan.

/\* \$Id: cfg\_router\_traffic-share.h,v 3.3.20.1 1996/08/12 16:03:58 widmer Exp \$

\* \$Source: /release/112/cvs/Xsys/iprouting/cfg\_router\_traffic-share.h,v \$

\*-----

\* cfg\_router\_traffic-share.h - parsing of the traffic-share command

\*

\* Oct 1993 Tony Li

\*

\* Copyright (c) 1993-1999, 2001-2002, 2004-2009, 2015 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\* \$Log: cfg\_router\_traffic-share.h,v \$

\* Revision 3.3.20.1 1996/08/12 16:03:58 widmer

\* CSCdi65725: Create Eolns macro that defaults csb->which to 0

\* Branch: California\_branch

\* Add Eolns and Nvgenns macro that default csb->which to 0

\* Remove hidden keyword help strings

\*

\* Revision 3.3 1996/02/01 23:34:03 widmer

\* CSCdi45325: Change Keyword/Set to use Keyword\_Id macro

\*

\* Revision 3.2 1995/11/17 17:32:35 hampton

\* Remove old entries from the RCS header logs.

\*

\* Revision 3.1 1995/11/09 12:06:21 shaker

```

* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/07/01 12:16:07 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:13:22 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_traffic-
share.h

```

No license file was found, but licenses were detected in source scan.

```

/* $Id$
* $Source$
*-----
* route.h -- IP routing definitions
*
* 22-March-1986, Kirk Lougheed
*
* Copyright (c) 1986-2020 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/route.h

```

No license file was found, but licenses were detected in source scan.

```

/*
*-----
* routemap_ios_blob.c -- Route map support routines that can be shared
* by RP and VIP/LC
*
* October 14, 2001 Siva Yaragalla
*
* Copyright (c) 2001-2020 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

```

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/routemap\_ios\_blob.c

No license file was found, but licenses were detected in source scan.

/\*

\*-----

\* protofltr\_debug.h -- Routing protocol filter manager debug flag

\*

\* Jan 2006, Mercia Zheng

\*

\* Copyright (c) 2005-2008 by Cisco Systems, Inc.

\* All rights reserved.

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/protofltr\_debug.h

No license file was found, but licenses were detected in source scan.

/\*

\* \$Id\$

\* \$Source\$

\*-----

\* route3.c -- Routing Support: Router command and related routines

\*

\* 15-June-1987, Kirk Lougheed

\*

\* Copyright (c) 1987-2021 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\* \$Log\$

\*-----

\* \$Endlog\$

\*/

/\*

\* If its not a per-user distribute-list, we have to configure the  
\* route-map for pflist\_def too - its used to restore default when  
\* a per-user distribute-list is un-configured as well as for  
\* nvgen purposes. All this mess, only for the interface specific  
\* version.

\*/

/\*

\* This command is only valid for ipv4 and nsap AFs in BGP.  
\* However it is accepted for other BGP AFs  
\* for backwards compatibility. However, no action  
\* is taken for these

AFs and it is not nvgen'ed

- \* either. Check out cfg\_router\_default.h for
- \* more details.
- \*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/route3.c  
No license file was found, but licenses were detected in source scan.

```
/*
*-----
* cfg_router_maximum-paths.h
*
* 22-May-2016, Les Ginsberg
*
* Copyright (c) 2016 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-  
tar/iprouting\_cmn/internal\_inc/cfg\_router\_maximum-sec-paths.h  
No license file was found, but licenses were detected in source scan.

```
/* $Id: cfg_router_metric.h,v 3.2 1995/11/17 17:32:13 hampton Exp $
* $Source: /swt/cherf.111/ios/sys/iprouting/cfg_router_metric.h,v $
*-----
* C F G _ R O U T E R _ M E T R I C . H
*
* Copyright (c) 1992-2002, 2004, 2006-2009 by cisco Systems, Inc.
* All Rights Reserved
*-----
* $Log: cfg_router_metric.h,v $
* Revision 3.2 1995/11/17 17:32:13 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:05:41 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/07/01 12:15:54 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:12:46 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
```



\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/internal\_inc/cfg\_router\_metric.h

No license file was found, but licenses were detected in source scan.

/\* \$Id: ip\_routing.h,v 3.2 1995/11/17 17:34:12 hampton Exp \$

\* \$Source: /swtal/cherf.111/ios/sys/iprouting/ip\_routing.h,v \$

\*-----

\* ip\_routing.h -- Generic IP routing declarations

\*

\* Mar 1995 Tony Li

\*

\* Copyright (c) 1995, 1998, 2004, 2006-2008 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\* \$Log: ip\_routing.h,v \$

\* Revision 3.2 1995/11/17 17:34:12 hampton

\* Remove old entries from the RCS header logs.

\*

\* Revision 3.1 1995/11/09 12:08:06 shaker

\* Bump version numbers from 2.x to 3.x.

\*

\* Revision 2.1 1995/06/07 21:07:05 hampton

\* Bump version numbers from 1.x to 2.x.

\*

\*-----

\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/internal\_inc/ip\_routing.h

No license file was found, but licenses were detected in source scan.

/\* \$Id\$

\* \$Source\$

\*-----

\* Exit from BGP Address Family mode.

\*

\* Sept 1998, Bob Thomas

\*

\* Copyright (c) 1998-1999, 2007-2009 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\* \$Log\$

\*-----

\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/internal\_inc/cfg\_af\_exit.h  
No license file was found, but licenses were detected in source scan.

/\*

\*-----  
\* iprouting\_debug.h -- Debugging declarations for IP routing

\*

\* May 1993, John Bashinski

\*

\* Copyright (c) 1993-2010 by Cisco Systems, Inc.

\* All rights reserved.

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/iprouting\_debug.h  
No license file was found, but licenses were detected in source scan.

/\* \$Id: cfg\_router\_offset.h,v 3.3.20.4 1996/09/04 23:46:26 mikel Exp \$

\* \$Source: /release/112/cvs/Xsys/iprouting/cfg\_router\_offset.h,v \$

\*-----

\* C F G \_ R O U T E R \_ O F F S E T . H

\*

\* Copyright (c) 1992-1998, 2002, 2004-2008 by cisco Systems, Inc.

\* All Rights Reserved

\*-----

\* \$Log: cfg\_router\_offset.h,v \$

\* Revision 3.3.20.4 1996/09/04 23:46:26 mikel

\* CSCdi65889: offset-list doesnt work for EIGRP

\* Branch: California\_branch

\* Re-enable offset-list command as well as adding offset-list out support,

\* and fix offset-list to work with access-lists

\*

\* Revision 3.3.20.3 1996/08/12 16:03:48 widmer

\* CSCdi65725: Create Eolns macro that defaults csb->which to 0

\* Branch: California\_branch

\* Add Eolns and Nvgenns macro that default csb->which to 0

\* Remove hidden keyword

help strings

\*

\* Revision 3.3.20.2 1996/05/04 01:21:23 wilber

\* Branch: California\_branch

\*

\* Constrained Multicast Flooding

\* - Define MOSPF hello option bit.

```

*
* Name Access List
*
* Revision 3.3.20.1 1996/04/09 05:54:35 mikel
* CSCdi49628: EIGRP ignores outgoing offset-list
* Branch: California_branch
* disable offset-list command from eigrp router config
*
* Revision 3.3 1996/02/01 23:33:59 widmer
* CSCdi45325: Change Keyword/Set to use Keyword_Id macro
*
* Revision 3.2 1995/11/17 17:32:19 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:05:53 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/07/01 12:15:58 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:12:58 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/

```

Found in path(s):

```

*
/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_offset.h
No license file was found, but licenses were detected in source scan.

```

```

#
#-----
# iprouting_api.enum - IP Routing public API enum definitions
#
# August 2009, Prashant Srinivas
#
# Copyright (c) 2009-2010 by cisco Systems, Inc.
# All rights reserved.
#-----
#

```

BEGIN IPROUTING\_API

```

#
# Enumeration of the possible reasons for disabling routing on an interface

```

```

#
# Note, string length of the LONG description, should be <= 16 chars,
#   and contain nothing but alfanumerical characters and _
#
ENUM routing_disable_flag_t

    ITEM ROUTING_DISABLE_FLAG_INT_IF
    LONG "Internal_IF"
    END ITEM

END ENUM

END

```

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/enum/iprouting\_api.enum  
No license file was found, but licenses were detected in source scan.

```

/*
*-----
* routemap_track.c -- Route map support for tracking
*           Functions which run on RP (not VIP).
*
* March 2003 Shyan Wignarajah
*
* Copyright (c) 2003-2008, 2013-2014 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

```

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/routemap\_track.c  
No license file was found, but licenses were detected in source scan.

```

/* $Id
* $Source
*-----
* iprib_api_svr.c -- IP Routing Information Base (RIB) API definitions
*
* August-2001, Fan Kong
*
* Copyright (c) 2001-2012, 2019 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log
*-----
* $Endlog$
*/

```

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/iprib\_api\_svr.c

No license file was found, but licenses were detected in source scan.

```
/*-----  
* router_topology_registry.h  
*  
* Router topology registry.  
*  
* Sept 2004, Mercia Zheng  
*  
* Copyright (c) 2004, 2007-2008 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
*/
```

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/internal\_inc/router\_topology\_registry.h

No license file was found, but licenses were detected in source scan.

```
/*-----  
* iprouting_parser_linkpoints.c - iprouting parser linkpoint defs.  
*  
* April, 2005  
*  
* Copyright (c) 2005, 2007-2008 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
*/
```

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/iprouting\_parser\_linkpoints.c

No license file was found, but licenses were detected in source scan.

```
/*-----  
* routing_context_chain.c  
*  
* Parse chain file for routing context support.  
*  
* March 2009, Derek Yeung  
*  
* Copyright (c) 2009, 2015 by cisco Systems, Inc.  
* All rights reserved.  
*-----
```

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/routing\_context\_chain.c

No license file was found, but licenses were detected in source scan.

/\* \$Id\$

\* \$Source\$

\*-----

\* cfg\_routemap\_match.h

\*

\* Process route-map match subcommands.

\*

\* Copyright (c) 1992-1999, 2002-2005, 2007-2012, 2018 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\* \$Log\$

\*-----

\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/cfg\_routemap\_match.h

No license file was found, but licenses were detected in source scan.

##

## content.lst file for iprouting\_cmn

## See EDCS-905060 for more details.

##

## Oct 2010, Manu Pathak

##

## Copyright (c) 2010-2011, 2016 by cisco Systems, Inc.

## All rights reserved.

##

syntax: 1.0.0

# iprouting\_cmn meta-source files

group: iprouting\_cmn-generic

{

enum:

    iprouting\_cmn/include/enum/iprouting\_api.enum

reg:

    iprouting\_cmn/include/reg/ion\_iprouting\_cmd\_registry.reg

    iprouting\_cmn/include/reg/iprouting\_registry.reg

    iprouting\_cmn/include/reg/lfafr\_registry.reg

    iprouting\_cmn/include/reg/route\_map\_registry.reg

```

    iprouting_cmn/include/reg/router_af_actions_registry.reg
    iprouting_cmn/include/reg/router_topology_registry.reg
    iprouting_cmn/include/reg/routing_context_registry.reg
}
# end of group: iprouting_cmn-generic

# iprouting_cmn source files
group: iprouting_cmn
{
  includes:
    ../generic/routing/iprouting_cmn/include
    $(COMPONENT_ROOT)/routing/iprouting_cmn/include
    $(COMPONENT_ROOT)/routing/iprouting_cmn/internal_inc
    $(COMPONENT_ROOT)/routing/iprouting_cmn/src
    $(COMPONENT_ROOT)/routing
    $(COMPONENT_ROOT)/posix/include
    $(IOS_SYSROOT)/ion/include
    $(IOS_SYSROOT)/crypto/ca
    $(IOS_SYSROOT)/crypto/ca/certcinc
    $(IOS_SYSROOT)/crypto/ca/bsafeinc
    $(IOS_SYSROOT)/crypto/ca/provider/include
  defines: CRYPTOCv5 CERTCv5
  cflags: -Wno-parentheses -Wno-uninitialized
  sub: ion_iprouting_cmd_registry
  {
    context: os==ion
    contains:
      iprouting_cmn/src/ion_iprouting_cmd_registry.c
  }
  sub: iprouting_blob
  {
    contains:
      iprouting_cmn/src/ip_routing.c
      iprouting_cmn/src/ip_stats.c
      iprouting_cmn/src/iprouting_actions.c
      iprouting_cmn/src/iprouting_chain.c
      iprouting_cmn/src/iprouting_debug.c
      iprouting_cmn/src/iprouting_init_blob.c
      iprouting_cmn/src/iprouting_setup.c
      iprouting_cmn/src/protofltr_debug.c
      iprouting_cmn/src/route3_blob.c
      iprouting_cmn/src/routemap_debug.c
      iprouting_cmn/src/router_af_chain.c
      iprouting_cmn/src/router_topology_chain.c
      iprouting_cmn/src/routing_context_chain.c
  }
  sub: iprouting_cmn
  {

```

```

contains:
  iprouting_cmn/include/msg_iproute.rc
  iprouting_cmn/src/iprouting_cmn.c
}
sub: iprouting_common_blob
{
  contains:
    iprouting_cmn/src/ip_prefixlist_chain.c
    iprouting_cmn/src/policylist_blob.c
    iprouting_cmn/src/route_map_blob.c
    iprouting_cmn/src/routemap_track.c
  }
sub: iprouting_common_ionblob
{
  context: os==ion
  contains:
    iprouting_cmn/src/ip_prefixlist_ionblob.c
    iprouting_cmn/src/route_map_ionblob.c
  }
sub: iprouting_common_ionized
{
  context: os==ion
  contains:
    iprouting_cmn/src/ip_prefixlist_ionized.c
    iprouting_cmn/src/policylist_ionized.c
    iprouting_cmn/src/route_map_ionized.c
  }
sub: iprouting_common_misc
{
  contains:
    iprouting_cmn/src/ip_prefixlist.c
    iprouting_cmn/src/msg_routemap.c
    iprouting_cmn/src/policylist.c
    iprouting_cmn/src/route_map.c
    iprouting_cmn/src/routetag_list.c
  }
sub: iprouting_common_nbcmn
{
  contains:
    iprouting_cmn/src/route_map_nbcmn.c
  }
sub: iprouting_common_nonblob
{
  contains:
    iprouting_cmn/src/ip_prefixlist_ios.c
    iprouting_cmn/src/policylist_ios.c
  }
sub: iprouting_init_ios

```



```

{
  contains:
    iprouting_cmn/src/iprouting_init_ios.c
}
sub: iprouting_ionblob
{
  context: os==ion
  contains:
    iprouting_cmn/src/iprouting_init_ionblob.c
    iprouting_cmn/src/iprouting_parse_blob.c
    iprouting_cmn/src/router_af_parse_blob.c
}
sub: iprouting_ionized
{
  context: os==ion
  contains:
    iprouting_cmn/src/iprouting_init_ionized.c
    iprouting_cmn/src/route3_ionized.c
}
sub: iprouting_misc
{
  contains:
    iprouting_cmn/src/routemap_api.c
    iprouting_cmn/src/routemap_api_util.c
    iprouting_cmn/src/routemap_internal.c
}
sub: iprouting_nonblob
{
  contains:
    iprouting_cmn/src/iprib_api_svr.c
    iprouting_cmn/src/iprouting_init.c
    iprouting_cmn/src/iprouting_stats.c
    iprouting_cmn/src/protofltr.c
    iprouting_cmn/src/route1.c
    iprouting_cmn/src/route2.c
    iprouting_cmn/src/route3.c
    iprouting_cmn/src/router_af_parse.c
    iprouting_cmn/src/router_topology_parse.c
}
sub: iprouting_parser
{
  contains:
    iprouting_cmn/src/iprouting_parser_linkpoints.c
}
sub: iprouting_registry
{
  contains:
    iprouting_cmn/src/iprouting_registry.c
}

```

```

}
sub: ipv4_subsys
{
  contains:
    iprouting_cmn/src/ipv4_subsys.c
}
sub: lfafr_registry
{
  contains:
    iprouting_cmn/src/lfafr_registry.c
}
sub: route_map_globs
{
  contains:
    iprouting_cmn/src/route_map_globs.c
}
sub: route_map_registry
{
  contains:
    iprouting_cmn/src/route_map_registry.c
}
sub: routemap_common_blob
{
  contains:
    iprouting_cmn/src/routemap_ios_blob.c
}
sub: routemap_common_ionized
{
  context: os==ion
  contains:
    iprouting_cmn/src/route_map_http_ion.c
}
sub: routemap_common_nonblob
{
  contains:
    iprouting_cmn/src/routemap_ios.c
    iprouting_cmn/src/routemap_track_ios.c
}
sub: routemap_ios_chain
{
  contains:
    iprouting_cmn/src/routemap_ios_chain.c
}
sub: routemap_lc_ipc
{
  context: os==ios
  contains:
    iprouting_cmn/src/route_map_globs.c
}

```

```

    iprouting_cmn/src/routemap_api.c
    iprouting_cmn/src/routemap_api_util.c
    iprouting_cmn/src/routemap_debug.c
    iprouting_cmn/src/routemap_internal.c
    iprouting_cmn/src/routemap_ios_chain.c
    iprouting_cmn/src/routetag_list.c
}
sub: router_af_actions_registry
{
    contains:
        iprouting_cmn/src/router_af_actions_registry.c
}
sub: router_topology_registry
{
    contains:
        iprouting_cmn/src/router_topology_registry.c
}
sub: routing_context
{
    contains:
        iprouting_cmn/src/routing_context.c
}
sub: routing_context_registry
{
    contains:
        iprouting_cmn/src/routing_context_registry.c
}
}
# end of group: iprouting_cmn

```

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/content.lst

No license file was found, but licenses were detected in source scan.

```

/* $Id$
* $Source$
*-----
* route1.c -- Routing Support: Common Routines
*
* 22-March-1986, Kirk Lougheed
*
* Copyright (c) 1986-2020 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/

```

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/route1.c

No license file was found, but licenses were detected in source scan.

/\*

\*

\*-----

\* Generic tag list support.

\*

\* June 2011, Karthik Subramaniam

\*

\* Copyright (c) 1997-2008, 2010-2012 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/routetag\_list.c

No license file was found, but licenses were detected in source scan.

/\* \$Id: cfg\_routemap\_match\_policy.h,v 3.3 1995/11/28 19:50:34 widmer Exp \$

\* \$Source: /swt/cherf.111/ios/sys/iprouting/cfg\_routemap\_match\_policy.h,v \$

\*-----

\* cfg\_routemap\_match\_policy.h -- Route map match clauses for policy

\* routing.

\*

\* Mar 1995 Tony Li

\*

\* Copyright (c) 1995, 2001-2002, 2007-2009, 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\* \$Log: cfg\_routemap\_match\_policy.h,v \$

\* Revision 3.3 1995/11/28 19:50:34 widmer

\* CSCdi44251: Replace Ifelse(csb->in\_help)/Eval with Func

\*

\* Revision 3.2 1995/11/17 17:31:48 hampton

\* Remove old entries from the RCS header logs.

\*

\* Revision 3.1 1995/11/09 12:05:10 shaker

\* Bump version numbers from 2.x to 3.x.

\*

\* Revision 2.3 1995/06/21 18:16:00 widmer

\* CSCdi36227: Fix parse chain alternates

\*

\* Revision 2.2 1995/06/15 15:18:44 widmer

\* CSCdi35889: parser transition structures should be static

\*

\* Revision 2.1 1995/06/07 21:05:32 hampton

\* Bump version numbers from 1.x to 2.x.

\*

\*-----

\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-

tar/iprouting\_cmn/include/cfg\_routemap\_match\_policy.h

No license file was found, but licenses were detected in source scan.

/\*

\*-----

\* exec\_debug\_protofltr.h

\*

\* Jan 2006, Mercia Zheng

\*

\* Copyright (c) 2005-2009 by cisco Systems, Inc.

\*

\* All Rights Reserved

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/exec\_debug\_protofltr.h

No license file was found, but licenses were detected in source scan.

/\*-----

\* route3\_parse.h

\*

\* Route parser functions declarations.

\*

\* March 2002, Victor Kamensky

\*

\* Copyright (c) 2002, 2005-2008 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/internal\_inc/route3\_parse.h

No license file was found, but licenses were detected in source scan.

/\* \$Id: cfg\_int\_ip2\_routing.h,v 3.2.60.1 1996/08/12 16:03:24 widmer Exp \$

\* \$Source: /release/112/cvs/Xsys/iprouting/cfg\_int\_ip2\_routing.h,v \$

\*-----

\* cfg\_int\_ip2\_routing.h

\*  
\* May 1994, Derek Yeung  
\*  
\* Copyright (c) 1993-1996, 1998-1999, 2007-2009 by cisco Systems, Inc.  
\* All rights reserved.  
\*  
\* IP routing interface commands that must be after the encapsulation command  
\* in NV order.

\*-----

\* \$Log: cfg\_int\_ip2\_routing.h,v \$  
\* Revision 3.2.60.1 1996/08/12 16:03:24 widmer  
\* CSCdi65725: Create Eolns macro that defaults csb->which to 0  
\* Branch: California\_branch  
\* Add Eolns and Nvgenns macro that default csb->which to 0  
\* Remove hidden keyword help strings

\*  
\* Revision 3.2 1995/11/17 17:31:23 hampton  
\* Remove old entries from the RCS header logs.

\*  
\* Revision 3.1 1995/11/09  
12:04:31 shaker  
\* Bump version numbers from 2.x to 3.x.

\*  
\* Revision 2.2 1995/08/04 03:07:45 dstine  
\* CSCdi37681: Need event logging for EIGRP

\*  
\* Revision 2.1 1995/07/01 12:15:32 tli  
\* CSCdi36508: Rationalize parser file placement, part I  
\* Rationalize iprouting

\*  
\* Revision 2.1 1995/06/07 22:05:27 hampton  
\* Bump version numbers from 1.x to 2.x.

\*  
\*-----

\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/cfg\_int\_ip2\_routing.h  
No license file was found, but licenses were detected in source scan.

/\* \$Id: rouource\_commande\_map.c,v 3.4.10.11 1996/07/09 07:35:58 dawnli Exp \$  
\* \$Source: /release/112/cvs/Xsys/iprouting/route\_map.c,v \$

\*-----

\* route\_map.c -- Route map support routines.

\*  
\* 23-January-1993  
\*

\* Copyright (c) 1986-2020 by cisco Systems, Inc.  
 \* All rights reserved.  
 \* -----  
 \* \$Log: route\_map.c,v \$  
 \* Revision 3.4.10.11 1996/07/09 07:35:58 dawnli  
 \* CSCdi57006: route-map in configuration are stored/displayed in reverse  
 \* order  
 \* Branch: California\_branch  
 \*  
 \* Revision 3.4.10.10 1996/06/28 23:19:51 hampton  
 \* Remove gratuitous casting. [CSCdi61655]  
 \* Branch: California\_branch  
 \*  
 \* Revision 3.4.10.9 1996/06/05 08:27:06 rchandra  
 \* CSCdi59547: Routemap: %SYS-4-REGEXP: NULL string parameter error  
 \* Branch: California\_branch  
 \* - do not pass null path to route\_map\_match\_aspath  
 \*  
 \* Revision 3.4.10.8 1996/06/03 23:24:12 ahh  
 \* CSCdi59119: IP: NAT should support named access-lists  
 \* And extended access-lists and non-contiguous address pools.  
 \* Branch: California\_branch  
 \*  
 \* Revision 3.4.10.7 1996/05/04 01:22:39 wilber  
 \* Branch: California\_branch  
 \*  
 \* Constrained Multicast Flooding  
 \* - Define MOSPF hello option bit.  
 \*  
 \* Name Access List  
 \*  
 \* Revision 3.4.10.6 1996/04/16 19:02:21 rchandra  
 \* CSCdi54830: IP features commit  
 \* Branch: California\_branch  
 \*  
 \* Revision 3.4.10.5 1996/04/05 03:46:40 rchandra  
 \* CSCdi53755: BGP: flap dampening settings not flexible enough  
 \* Branch: California\_branch  
 \* - add route-map support to set flap dampening parameters  
 \*  
 \* Revision 3.4.10.4 1996/04/02 07:29:30 dkatz  
 \* CSCdi52277: Redistribution metric problems with IGRP/EIGRP  
 \* Branch: California\_branch  
 \* Always store canonical metrics scaled for IGRP, and make EIGRP do  
 \* its own scaling internally. Get the scaling right in all  
 \* three  
 \* places.  
 \*

- \* Revision 3.4.10.3 1996/03/28 23:59:18 rchandra
- \* CSCdi52098: BGP: exact keyword not accepted by route-map in community
- \* match
- \* Branch: California\_branch
- \* - fix my silly bug in handling exact community matching
- \* - limit the range of valid community to 0xFFFF0000
- \* - fix a cosmetic bug in show ip community-list
- \*
- \* Revision 3.4.10.2 1996/03/28 22:28:25 rchandra
- \* CSCdi52880: BGP: generate error message for unsupported route-map
- \* options
- \* Branch: California\_branch
- \* - generate error message when unsupported route-map option is used
- \* - treat confederation EBGp neighbors similar to internal neighbors in
- \* best path selection
- \* - fix the bug in bgp\_compare\_med, so that during MED comparison,
- \* confederation information is skipped properly
- \* - confederation EBGp paths should be inserted into the IP table with
- \* internal distance
- \* - do not consider common-AS neighbors as confederation neighbors
- \* - during 'clear ip bgp dampening'
- avoid skipping paths
- \* - undo the patch to the radix version walker
- \*
- \* Revision 3.4.10.1 1996/03/18 20:29:32 gstovall
- \* Branch: California\_branch
- \* Elvis has left the building. He headed out to California, and took the
- \* port ready changes with him.
- \*
- \* Revision 3.2.26.3 1996/03/16 06:58:25 gstovall
- \* Branch: DeadKingOnAThrone\_branch
- \* Make the king aware of V111\_1\_3.
- \*
- \* Revision 3.2.26.2 1996/03/07 09:50:41 mdb
- \* Branch: DeadKingOnAThrone\_branch
- \* cisco and ANSI/POSIX libraries.
- \*
- \* Revision 3.2.26.1 1996/02/20 01:04:27 dstine
- \* Branch: DeadKingOnAThrone\_branch
- \* Sync from DeadKingOnAThrone\_baseline\_960122 to
- \* DeadKingOnAThrone\_baseline\_960213
- \*
- \* Revision 3.4 1996/02/24 02:01:55 pst
- \* CSCdi49774: modularize regexp's for bgp (part 3)
- \*
- \* Revision 3.3 1996/02/01 06:06:17 hampton
- \* Migrate files out of the parser directory. [CSCdi47717]
- \* Step 2: Change all files which reference the moved parser files to



```

*
point to their new locations.
*
* Revision 3.2 1995/11/17 17:37:13 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:10:35 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.6 1995/09/25 08:31:19 tli
* CSCdi40960: ISP jumbo patch 2
*
* Revision 2.5 1995/07/06 23:12:39 rchandra
* CSCdi36759: BGP : Add conditional per neighbor default generation
* - add 'neighbor <x.x.x.x> default-originate route-map <tag>' command.
*
* Revision 2.4 1995/06/23 14:26:05 widmer
* CSCdi36318: multiple route-map commands are not accepted
* Fix route-map command NV generation
*
* Revision 2.3 1995/06/15 15:18:52 widmer
* CSCdi35889: parser transition structures should be static
*
* Revision 2.2 1995/06/08 08:59:19 tli
* CSCdi35274: route-map test-1 crashes IOS
* - If a route map does not set any routing information, it should be
* equivalent to not having policy routed the packet.
* - "match length" clauses
were having their flag stepped on because the
* flag update routine didn't know about the clause.
*
* Revision 2.1 1995/06/07 21:10:53 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route_map.c
No license file was found, but licenses were detected in source scan.

```

```

/*-----
* router_af_parse.h
*
* Route Address Family parser functions declarations.
*
* May 2002, Victor Kamensky

```

```
*
* Copyright (c) 2002, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/router_af_parse.h
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$
* $Source$
*-----
* Registry for IP FRR infrastructure
*
* July 6, 2010 Ahmed Bashandy
*
* Copyright (c) 2001-2003, 2005, 2007-2008, 2010 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/lfafr_registry.h
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$
* $Source$
*-----
* cfg_route_map.h
*
* Enter route-map subcommand mode
*
* Copyright (c) 1992-1996, 2001-2002, 2007-2010, 2017 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_route_map.h
No license file was found, but licenses were detected in source scan.
```

```

/* $Id$
* $Source$
* -----
* exec_show_ip_extcommunity-list.h
*
* April 2000, Rex Fernando
*
* Copyright (c) 2000, 2002-2003, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
* -----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/exec_show_ip_policylist.h

```

No license file was found, but licenses were detected in source scan.

```

/* $Id: cfg_routemap_set_ip_policy.h,v 3.3.52.1 1996/06/18 19:06:39 widmer Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_routemap_set_ip_policy.h,v $
* -----
* cfg_routemap_set_ip_policy.h -- IP policy specific route map clauses
*
* Mar 1995 Tony Li
*
* Copyright (c) 1995-1998, 2000, 2002, 2004, 2007-2009 by cisco Systems, Inc.
* All rights reserved.
* -----
* $Log: cfg_routemap_set_ip_policy.h,v $
* Revision 3.3.52.1 1996/06/18 19:06:39 widmer
* CSCdi59706: parser lets you set tos/precedence bits forever (input
* loop)
* Branch: California_branch
*
* Revision 3.3 1995/11/28 19:50:38 widmer
* CSCdi44251: Replace Ifelse(csb->in_help)/Eval with Func
*
* Revision 3.2 1995/11/17 17:31:53 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09
12:05:16 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.5 1995/08/16 01:01:15 tli
* CSCdi38512: Policy: TOS and precedence long help says match instead of
* set
*

```

```

* Revision 2.4 1995/07/12 07:19:09 tli
* CSCdi36426: Policy routing will not disable on an interface
* - Policy routed packets were creating fastswitching cache entries.
* That's not till _next_ release.
* - Add counters to record packet and byte count on a per route map entry
* basis.
* - Marketing identified a catastrophic deficiency. Implemented "set ip
* tos" and "set ip precedence" to cover this deficiency.
*
* Revision 2.3 1995/06/21 18:16:02 widmer
* CSCdi36227: Fix parse chain alternates
*
* Revision 2.2 1995/06/15 15:18:47 widmer
* CSCdi35889: parser transition structures should be static
*
* Revision 2.1 1995/06/07 21:05:39 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
*
$Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/include/cfg_routemap_set_ip_policy.h

```

No license file was found, but licenses were detected in source scan.

```

/* $Id: cfg_router_passive-interface.h,v 3.2.60.1 1996/08/12 16:03:49 widmer Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_router_passive-interface.h,v $
*-----
* C F G _ R O U T E R _ P A S S I V E _ I N T . H
*
* Copyright (c) 1992-1999, 2001-2010, 2018 by cisco Systems, Inc.
* All Rights Reserved
*-----
* $Log: cfg_router_passive-interface.h,v $
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_passive-
interface.h

```

No license file was found, but licenses were detected in source scan.

```

/*
*-----

```

```
* routemap_debug.c -- Routemap debugging support
*
* July 1998, Wilber Su
*
* Copyright (c) 1998, 2004, 2006-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_debug.c
No license file was found, but licenses were detected in source scan.
```

```
/*
*-----
* CFG_ROUTER_TOPO_REDISTRIBUTE.H
*
* October 2004, Lisa Z Xu
*
* Copied from and modified based on cfg_router_redistribute.h.
* Warning:
* If you modify this file, please also check cfg_router_redistribute.h
* to see if the changes apply to config-router mode as well.
*
* Copyright (c) 2004-2011, 2018-2021 by Cisco Systems, Inc.
* All Rights Reserved
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/src/cfg_router_topo_redistribute.h
No license file was found, but licenses were detected in source scan.
```

```
/*
*-----
* route_map_ionblob.c -- Route Maps support for ION Blob
*
* October 2001, Siva Yaragalla
*
* Copyright (c) 2001-2009, 2011, 2013, 2020 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route_map_ionblob.c
```

No license file was found, but licenses were detected in source scan.

```
/*-----  
* router_af_parse_blob.c  
*  
* Address family submode command - proxy EOLs  
*  
* May 2002, Victor Kamensky  
*  
* Copyright (c) 2002-2005, 2007-2009 by cisco Systems, Inc.  
* All Rights Reserved  
*-----  
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/router_af_parse_blob.c  
No license file was found, but licenses were detected in source scan.
```

```
/*-----  
* topo_aware.h - Define multi-topology awareness  
*  
* March 2005, Les Ginsberg  
*  
* Copyright (c) 2005, 2007-2008 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/topo_aware.h  
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$  
* $Source$  
*-----  
*  
* parser_defs_route_map.h  
*  
* Constant definition for route-map command and associated subcommands.  
*  
* Copyright (c) 1985-1996, 1999, 2001, 2004-2005, 2007-2008, 2011, 2014-2015 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
* $Log$  
*-----  
* $Endlog$  
*/
```

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/parser\_defs\_route\_map.h

No license file was found, but licenses were detected in source scan.

/\* \$Id\$

\* \$Source\$

\*-----

\* Parse chains for router Address Family mode

\*

\* June 2002, Donnie Savage

\*

\* Copyright (c) 1998-2011, 2013-2014, 2016, 2018-2019 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\* \$Log\$

\*-----

\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/router\_af\_chain.c

No license file was found, but licenses were detected in source scan.

/\*

\*-----

\* exec\_debug\_routemap.h -- Debugging for Route-map IPC

\*

\* July 1998, Wilber Su

\*

\* Copyright (c) 1998, 2001-2002, 2004-2008 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/exec\_debug\_routemap.h

No license file was found, but licenses were detected in source scan.

/\* \$Id: exec\_clear\_ip\_prefixlist.h,v 3.1.2.1 1997/12/17 21:36:58 enkechen Exp \$

\* \$Source: /release/111/cvs/Xsys/ip/exec\_clear\_ip\_prefixlist.h,v \$

\*-----

\* exec\_clear\_ip\_prefixlist.h

\*

\* July 1997, Enke Chen

\*

\* Copyright (c) 1995-1998, 2000-2001, 2007-2008 by cisco Systems, Inc.

\* All rights reserved.

```
*-----
* $Log: exec_clear_ip_prefixlist.h,v $
* Revision 3.1.2.1 1997/12/17 21:36:58 enkechen
* CSCdj61356: Prefix-list - facility for efficient route filtering
* Branch: FIB_branch
*
* Revision 3.1 1997/12/17 01:46:34 enkechen
* Start with the new file.
*
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_clear_ip_prefixlist.h
```

No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*-----
* iprouting_blob_undef.c -- undefined symbols from blob when
* routing subsystems are pulled out
*
* October, 2002 Phil Winterfield
*
* Copyright (c) 2001-2005, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log$
*-----
* $Endlog$
*/
```

Found in path(s):

```
*/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_blob_undef.c
```

No license file was found, but licenses were detected in source scan.

```
/*-----
* iprouting_cmn.c
*
* This file has global definitions common to blob and iprouting proceses.
*
* Copyright (c) 2002-2009, 2011, 2013 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):



\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/iprouting\_cmn.c

No license file was found, but licenses were detected in source scan.

/\* \$Id: ip\_prefixlist.c,v 1.1 2011/02/02 21:47:40 vkoshi Exp vkoshi \$

\* \$Source: /view/vkoshi-

comp\_routing\_rel5.rel4\_1\_1\_19.2460.ss.comp1.port/vob/ss.comp1/routing/iprouting\_cmn/src/ip\_prefixlist.c,v \$

\*-----

\* Generic prefix list support.

\*

\* June 1997, Enke Chen

\*

\* Copyright (c) 1997-2012, 2016, 2020 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\* \$Log: ip\_prefixlist.c,v \$

\* Revision 1.1 2011/02/02 21:47:40 vkoshi

\* checkin by port\_commit

\*

\* Revision 3.1.2.4 1998/03/20 17:03:32 enkechen

\* CSCdj88889: Prefix-list: sho ip prefix-list summ does not pause

\* Branch: FIB\_branch

\*

\* Revision 3.1.2.3 1998/02/23 19:43:44 enkechen

\* CSCdj75270: Prefix-list: optimization for downloading large lists

\* Branch: FIB\_branch

\*

\* Revision 3.1.2.2 1998/02/11 01:55:32 soma

\* Merge FIB\_L3 branch into FIB branch

\*

\* Revision 3.1.2.1.8.1 1998/01/29 00:59:02 enkechen

\* CSCdj77190: Prefix-list: mishandling of long prefix-list names

\* Branch: FIB\_L3\_branch

\*

\* Revision 3.1.2.1 1997/12/17 21:37:00 enkechen

\* CSCdj61356: Prefix-list - facility for efficient route filtering

\* Branch: FIB\_branch

\*

\* Revision 3.1 1997/12/17 01:46:33 enkechen

\* Start with the new file.

\*

\*-----

\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/ip\_prefixlist.c

No license file was found, but licenses were detected in source scan.

```
/* $Id: cfg_router_redistribute.h,v 3.4.20.3 1996/08/12 16:03:50 widmer Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_router_redistribute.h,v $
*-----
* CFG_ROUTER_REDISTRIBUTE.H

* Warning:
* If you modify this file, please also check cfg_router_topo_redistribute.h
* to see if the changes apply to config-router-topo mode as well.
*
* Copyright (c) 1992-2012, 2014-2015, 2018-2021 by cisco Systems, Inc.
* All Rights Reserved
*-----
* $Log: cfg_router_redistribute.h,v $
*
*-----
* $Endlog$
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/cfg_router_redistribute.h
No license file was found, but licenses were detected in source scan.
```

```
/*
*-----
* iprouting_DEBUG_FLAG_BB.h -- Debugging flag declarations for IP routing
*
* May 1993, John Bashinski
*
* Copyright (c) 1993-2011, 2013, 2015, 2018-2020 by Cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/iprouting_debug_flags.h
No license file was found, but licenses were detected in source scan.
```

```
/* $Id$
* $Source$
*-----
* iprouting_parser.h -- IP routing parser API header file
*
* April - 2007, Selva Subramanian
*
* Copyright (c) 2001-2009 by cisco Systems, Inc.
* All rights reserved.
*-----
```

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/iprouting\_parser.h  
No license file was found, but licenses were detected in source scan.

```
# $Id$
#
#-----
#
# iprouting.startup - ION iprouting process .startup file
#
# October, 2001, Fan Kong
#
#-----
#
# Copyright (c) 2001-2002, 2004-2007 by cisco Systems, Inc.
# All rights reserved.
#
#-----
```

```
name:iprouting.iosproc
path:/sbin
feature:iprouting
level:100
envs:RLIMIT_NOFILE=65535
```

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/iprouting.startup  
No license file was found, but licenses were detected in source scan.

```
/* $Id: ip_routing.c,v 3.2 1995/11/17 17:34:11 hampton Exp $
* $Source: /swtal/cherf.111/ios/sys/iprouting/ip_routing.c,v $
*-----
* ip_routing.c -- Generic IP routing functions
*
* Mar 1995 Tony Li
*
* Copyright (c) 1995-1998, 2002-2008, 2010 by cisco Systems, Inc.
* All rights reserved.
*-----
* $Log: ip_routing.c,v $
* Revision 3.2 1995/11/17 17:34:11 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:08:05 shaker
* Bump version numbers from 2.x to 3.x.
*
```

\* Revision 2.1 1995/06/07 21:07:03 hampton

\* Bump version numbers from 1.x to 2.x.

\*

\*-----

\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/ip\_routing.c

No license file was found, but licenses were detected in source scan.

/\* \$Id\$

\* \$Source\$

\*-----

\* policylist.c - Routines to handle policy-list commands

\*

\* Apr. 2000, Rex Fernando

\*

\* Copyright (c) 2000, 2002-2011, 2016-2017, 2020 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/policylist.c

No license file was found, but licenses were detected in source scan.

/\*-----

\* router\_af\_parse.c

\*

\* Route Address Family command and action definitions. Derived from

\* router\_af\_chain.c

\*

\* May 2002, Victor Kamensky

\*

\* Copyright (c) 2002-2010, 2012, 2014-2016, 2019 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/router\_af\_parse.c

No license file was found, but licenses were detected in source scan.

/\*

\*-----

\* ip\_prefixlist\_chain.c - Parse chains for IP Prefix Lists

\*

```
* August 2001, Siva Yaragalla
*
* Copyright (c) 2001-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):  
\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/ip\_prefixlist\_chain.c  
No license file was found, but licenses were detected in source scan.

```
/*
*-----
* Registry for IP route commands in ION
*
* September 2001, Rashmi Shrivastava
*
* Copyright (c) 2001, 2003-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):  
\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/internal\_inc/ion\_iprouting\_cmd\_registry.h  
No license file was found, but licenses were detected in source scan.

```
/*-----
* routemap_api_util.c -- Dynamic routemap API utility functions.
*
* May 2003, Tanya Shastri
*
* Copyright (c) 2003, 2005-2010, 2020 by cisco Systems, Inc.
* All rights reserved.
*-----
*/
```

Found in path(s):  
\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/routemap\_api\_util.c  
No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*-----
* iprouting_init_ios.c -- IP Routing Init code for Native IOS only
*
* October 2001, Rashmi Shrivastava
*
```

\* Copyright (c) 2001-2009 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\* \$Log\$

\*-----

\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/iprouting\_init\_ios.c

No license file was found, but licenses were detected in source scan.

/\* \$Id\$

\* \$Source\$

\*-----

\* cfg\_router\_summary\_addr.h

\*

\* Supports the router subcommand "summary-address". Provides IP aggregation configuration.

\*

\* Copyright (c) 1992-2004, 2007-2010, 2015, 2018 by cisco Systems, Inc.

\* All rights reserved.

\*

\* Longer description here.

\*-----

\* \$Log\$

\*-----

\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/internal\_inc/cfg\_router\_summary\_addr.h

No license file was found, but licenses were detected in source scan.

/\* \$Id: cfg\_router\_neighbor.h,v 3.3.20.1 1996/08/12 16:03:45 widmer Exp \$

\* \$Source: /release/112/cvs/Xsys/iprouting/cfg\_router\_neighbor.h,v \$

\*-----

\* C F G \_ R O U T E R \_ N E I G H B O R . H

\*

\* Copyright (c) 1992-2002, 2004-2010, 2012, 2018 by cisco Systems, Inc.

\* All Rights Reserved

\*-----

\* \$Log: cfg\_router\_neighbor.h,v \$

\* Revision 3.3.20.1 1996/08/12 16:03:45 widmer

\* CSCdi65725: Create Eolns macro that defaults csb->which to 0

\* Branch: California\_branch

\* Add Eolns and Nvgenns macro that default csb->which to 0

```

* Remove hidden keyword help strings
*
* Revision 3.3 1996/02/01 23:33:57 widmer
* CSCdi45325: Change Keyword/Set to use Keyword_Id macro
*
* Revision 3.2 1995/11/17 17:32:14 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1
 1995/11/09 12:05:42 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/07/01 12:15:55 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:12:48 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----
* $Endlog$
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/cfg_router_neighbor.h
No license file was found, but licenses were detected in source scan.

```

```

/*
*-----
* exec_clear_routemap.h -- clear route-map counters
*
* Copyright (c) 1986-2008 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

```

Found in path(s):

```

* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_clear_routemap.h
No license file was found, but licenses were detected in source scan.

```

```

/*-----
* router_topology_parse.c - Router topology command definitions.
*
* Sept 2004, Mercia Zheng
*
* Copyright (c) 2004-2010, 2019-2020 by cisco Systems, Inc.
* All rights reserved.

```

\*-----  
\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/router\_topology\_parse.c

No license file was found, but licenses were detected in source scan.

/\* \$Id: ip\_prefixlist.h,v 3.1.2.3 1998/02/23 19:43:44 enkechen Exp \$

\* \$Source: /release/111/cvs/Xsys/ip/ip\_prefixlist.h,v \$

\*-----

\* Generic prefix list support.

\*

\* June 1997, Enke Chen

\*

\* Copyright (c) 1997-2008, 2010 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\* \$Log: ip\_prefixlist.h,v \$

\* Revision 3.1.2.3 1998/02/23 19:43:44 enkechen

\* CSCdj75270: Prefix-list: optimization for downloading large lists

\* Branch: FIB\_branch

\*

\* Revision 3.1.2.2 1998/02/11 01:55:34 soma

\* Merge FIB\_L3 branch into FIB branch

\*

\* Revision 3.1.2.1.8.1 1998/01/29 01:02:13 enkechen

\* CSCdj77191: Reduce several chunk size parameters to save memory

\* Branch: FIB\_L3\_branch

\*

\* Revision 3.1.2.1 1997/12/17 21:37:00 enkechen

\* CSCdj61356: Prefix-list - facility for efficient route  
filtering

\* Branch: FIB\_branch

\*

\* Revision 3.1 1997/12/17 01:46:32 enkechen

\* Start with the new file.

\*

\*-----

\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/ip\_prefixlist.h

No license file was found, but licenses were detected in source scan.

/\*

\*-----

\* route\_map\_blob.c -- Route Map Subsystem



\*  
\* Aug 2001, Siva Yaragalla  
\*  
\* Copyright (c) 2001-2012, 2014-2018 by cisco Systems, Inc.  
\* All rights reserved.  
\*-----  
\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/route\_map\_blob.c  
No license file was found, but licenses were detected in source scan.

/\*  
\*-----  
\* iprouting\_parser\_linkpoints.h - iprouting parser linkpoint decls.  
\*  
\* April, 2005  
\*  
\* Copyright (c) 2005, 2007-2008, 2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*  
\*-----  
\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/include/iprouting\_parser\_linkpoints.h  
No license file was found, but licenses were detected in source scan.

/\* \$Id: cfg\_ip\_routing\_routing.h,v 3.3.46.3 1996/08/12 16:03:33 widmer Exp \$  
\* \$Source: /release/112/cvs/Xsys/iprouting/cfg\_ip\_routing\_routing.h,v \$  
\*-----  
\* IP routing routing commands  
\*  
\* May 1993, Robert Widmer  
\*  
\* Copyright (c) 1993-2000, 2002-2009 by cisco Systems, Inc.  
\* All rights reserved.  
\*  
\*-----  
\* \$Log: cfg\_ip\_routing\_routing.h,v \$  
\* Revision 3.3.46.3 1996/08/12 16:03:33 widmer  
\* CSCdi65725: Create Eolns macro that defaults csb->which to 0  
\* Branch: California\_branch  
\* Add Eolns and Nvgenns macro that default csb->which to 0  
\* Remove hidden keyword help strings  
\*  
\* Revision 3.3.46.2 1996/06/17 23:33:31 hampton

\* Implement the long sought parser "default" keyword. [CSCdi60510]  
 \* Branch: California\_branch  
 \*  
 \* Revision 3.3.46.1 1996/04/15 21:17:41 bcole  
 \*  
 CSCdi54649: IP Host Modularity, IP Automatic Stub Routing feature  
 \* commit  
 \* Branch: California\_branch  
 \*  
 \* Revision 3.3 1995/12/10 00:42:36 pst  
 \* CSCdi38750: Allow static routes with both next hop and interface  
 \* also add "permanent" keyword for non-flapping static routes  
 \*  
 \* Revision 3.2 1995/11/17 17:31:40 hampton  
 \* Remove old entries from the RCS header logs.  
 \*  
 \* Revision 3.1 1995/11/09 12:04:59 shaker  
 \* Bump version numbers from 2.x to 3.x.  
 \*  
 \* Revision 2.4 1995/10/23 18:33:19 pst  
 \* CSCdi42608: allow IP cache ager to be shut down, make the  
 \* "ip cache-ager" and "ip cache-invalidate-delay"  
 \* commands internal only.  
 \*  
 \* Revision 2.3 1995/07/13 21:39:05 ahh  
 \* CSCdi36962: UDP parsing of tacacs-ds port name broken  
 \* Restore "tacacs-ds" as a keyword, but hide it and map it to TACACS\_PORT  
 \* for backwards compatibility.  
 \*  
 \* Revision 2.2 1995/07/11 21:52:08 raj  
 \* CSCdi36510: parser doesnt accept ip forward-protocol  
 udp xdmcp  
 \* (Actually the parser didn't accept \*any\* symbolic names in the position  
 \* of the UDP port number; only numbers. It now uses the UDP\_PORT macro  
 \* instead.  
 \*  
 \* Revision 2.1 1995/07/01 12:15:42 tli  
 \* CSCdi36508: Rationalize parser file placement, part I  
 \* Rationalize iprouting  
 \*  
 \* Revision 2.1 1995/06/07 22:08:34 hampton  
 \* Bump version numbers from 1.x to 2.x.  
 \*  
 \*-----  
 \* \$Endlog\$  
 \*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/cfg\_ip\_routing\_routing.h  
No license file was found, but licenses were detected in source scan.

```
/*-----  
* router_topology_registry.c  
*  
* Router topology registry.  
*  
* Sept 2004, Mercia Zheng  
*  
* Copyright (c) 2004-2005, 2007-2008 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
*/
```

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/router\_topology\_registry.c  
No license file was found, but licenses were detected in source scan.

```
/* $Id$  
* $Source$  
*-----  
* route2.c -- Routing Support: User Interface Routines  
*  
* 22-March-1986, Kirk Lougheed  
*  
* Copyright (c) 1986-2020 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
* $Log$  
*-----  
* $Endlog$  
*/
```

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/route2.c  
No license file was found, but licenses were detected in source scan.

```
/* $Id$  
* $Source$  
*-----  
* IP routing parse chains  
*  
* May 1993, Robert Widmer  
*  
* Copyright (c) 1993-2012, 2015-2016 by cisco Systems, Inc.  
* All rights reserved.  
*  
*-----
```

```
*-----  
* $Log$  
*-----  
* $Endlog$  
*/
```

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/iprouting\_chain.c  
No license file was found, but licenses were detected in source scan.

```
/* $Id$  
* $Source$  
*-----  
* lfafr_registry.c  
*  
* July 2010, Ahmed Bashandy  
*  
* Copyright (c) 2001, 2003, 2005, 2007-2008, 2010 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
* $Log$  
*-----  
* $Endlog$  
*/
```

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/lfafr\_registry.c  
No license file was found, but licenses were detected in source scan.

```
/*  
*-----  
* ip_prefixlist_ionblob.c - IP Prefix Lists support for IONized clients  
*  
* January 2002, Siva Yaragalla  
*  
* Copyright (c) 2002-2003, 2005, 2007-2008 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
*/
```

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/ip\_prefixlist\_ionblob.c  
No license file was found, but licenses were detected in source scan.

```
/*-----  
* exec_routing_context.h  
*  
* This file defines the routing-context command syntax.
```

\*  
\* March 2009, Derek Yeung  
\*  
\* Copyright (c) 2009-2010, 2015, 2020 by cisco Systems, Inc.  
\* All rights reserved.  
\*-----  
\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/exec\_routing\_context.h  
No license file was found, but licenses were detected in source scan.

/\*  
\*-----  
\* cfg\_router\_topology\_exit.h - Exit from router topology sub mode.  
\*  
\* Sept 2004, Mercia Zheng  
\*  
\* Copyright (c) 2004, 2006-2009 by cisco Systems, Inc.  
\* All rights reserved.  
\*-----  
\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/cfg\_router\_topology\_exit.h  
No license file was found, but licenses were detected in source scan.

/\* \$Id: iprouting\_init.c,v 1.1 2003/06/13 18:30:09 dsavage Exp dsavage \$  
\* \$Source: /view/dsavage-CSCdy77097-rip-V123/vob/ios.sys2/sys/iprouting/iprouting\_init.c,v \$  
\*-----  
\* iprouting\_init.c -- initialize IP Routing Protocol support.  
\*  
\* 20-August-1985, Kirk Lougheed  
\*  
\* Copyright (c) 1985-2012, 2016, 2018-2019 by cisco Systems, Inc.  
\* All rights reserved.  
\*-----  
\* \$Log: iprouting\_init.c,v \$  
\* Revision 1.1 2003/06/13 18:30:09 dsavage  
\* Initial revision  
\*  
\*-----  
\* \$Endlog\$  
\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/iprouting\_init.c

No license file was found, but licenses were detected in source scan.

```
/* $Id$
 * $Source$
 *-----
 * Address-family command; enters Address Family mode.
 *
 * Sept 1998, Bob Thomas
 *
 * Copyright (c) 1998-1999, 2001-2010, 2012, 2018 by cisco Systems, Inc.
 * All rights reserved.
 *-----
 * $Log$
 *-----
 * $Endlog$
 */
```

Found in path(s):

`/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_router_af.h`

No license file was found, but licenses were detected in source scan.

```
/*
 *-----
 * cfg_routetag_list.h -- Route Tag List Parser Command
 *
 * June 2011, Karthik Subramaniam
 *
 * Copyright (c) 1997-2001, 2004, 2007-2008, 2011, 2013 by cisco Systems, Inc.
 * All rights reserved.
 *-----
 * $Endlog$
 */
```

Found in path(s):

`/opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_routetag_list.h`

No license file was found, but licenses were detected in source scan.

```
/* $Id$
 * $Source$
 *-----
 * protofltr.c -- Routing protocol filter manager support routines
 *
 * Jan 2006, Mercia Zheng
 *
 * Copyright (c) 2005-2011, 2020 by cisco Systems, Inc.
 * All rights reserved.
 *-----
```

\* \$Log\$

\*-----

\* \$Endlog\$

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/protofltr.c

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/\*

\*-----

\* exec\_show\_routetag\_list.h

\*

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\*

\* Command parsing chain for "show route-tag".

\*-----

\*

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/exec\_show\_routetag\_list.h

No license file was found, but licenses were detected in source scan.

/\*

\*-----

\* Debugging flag declarations for protocol filter manager - ION

\*

\* Jan 2006, Mercia Zheng

\*

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\* All Rights Reserved

\*-----

\*/

Found in path(s):

\* /opt/cola/permits/1130450046\_1615190725.52/0/iproute-254-tar/iprouting\_cmn/src/protofltr\_debug\_flags\_ion.h

No license file was found, but licenses were detected in source scan.

/\*

\*-----

\* ipv4\_subsys.c - IPv4 Routing Startup Subsystem

\*

\* July 2005, Mark Schaefer

\*

\* Copyright (c) 2005-2010, 2013 by cisco Systems, Inc.

\* All rights reserved.

```
*-----  
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ipv4_subsys.c  
No license file was found, but licenses were detected in source scan.
```

```
/*-----  
* routemap_internal.c -- Internal funtions of routemap code.  
*  
* May 2003, Tanya Shastri  
*  
* Copyright (c) 2003, 2005-2009, 2011-2019 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_internal.c  
No license file was found, but licenses were detected in source scan.
```

```
/*-----  
* iprouting_parse_blob.c  
*  
* Parser support for IP ROUTING .  
* This file implements proxy eols that call iprouting parser remote  
* registries.  
*  
* September 2001, Rashmi Shrivastava  
*  
* Copyright (c) 2001-2009 by cisco Systems, Inc.  
* All Rights Reserved  
*-----  
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_parse_blob.c  
No license file was found, but licenses were detected in source scan.
```

```
/*-----  
* policylist_ionized.c - Routines to handle policy-list commands for  
* IONized processes.  
*  
* November 2003, Siva Yaragalla  
*  
* Copyright (c) 2003-2005, 2007-2008 by cisco Systems, Inc.  
* All rights reserved.
```



```
*-----  
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/policylist_ionized.c
```

No license file was found, but licenses were detected in source scan.

```
/* $Id$
```

```
* $Source$
```

```
*-----
```

```
* CFG_ROUTER_OUTPUT_DELAY.H
```

```
*
```

```
* router RIP inter-frame gap subcommand
```

```
*
```

```
* Aug 1996, Dawn Li
```

```
*
```

```
* Copyright (c) 1996, 1998-1999, 2001, 2007-2008 by cisco Systems, Inc.
```

```
* All rights reserved.
```

```
*-----
```

```
* $Log$
```

```
*-----
```

```
* $Endlog$
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_output-delay.h
```

# 1.124 libsemanage-common 2.9-4.el8

## 1.124.1 Available under license :

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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
```

```
Ty Coon, President of Vice
```



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## 1.127 bridgeutils 1.7.1

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## 1.133 pretend 1.0.9

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Found in path(s):

```
* /opt/cola/permits/1156545735_1619205465.85/0/alex-pretend-v1-0-9-0-gfed40c9-tar-gz/alex-pretend-a4b2399/LICENSE.rst
```

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```
from setuptools import setup
```

```
with open("README.rst") as f:
```

```
    readme = f.read()
```

```
setup(  
    version="1.0.9",  
    name="pretend",  
    description="A library for stubbing in Python",  
    long_description=readme,  
    author="Alex Gaynor",  
    author_email="alex.gaynor@gmail.com",  
    py_modules=["pretend"],  
    url="https://github.com/alex/pretend",  
    license="BSD",  
    classifiers=[  
        "Development Status :: 5 - Production/Stable",
```

```
"Intended Audience :: Developers",
"License :: OSI Approved :: BSD License",
"Operating System :: OS Independent",
"Topic :: Software Development :: Testing",
"Programming Language :: Python :: 2.6",
"Programming Language :: Python :: 2.7",
"Programming Language :: Python :: 3.2",
"Programming Language :: Python :: 3.3",
"Programming Language :: Python :: 3.4",
"Programming Language :: Python :: 3.5",
"Programming Language :: Python :: 3.6",
]
)
```

Found in path(s):

```
* /opt/cola/permits/1156545735_1619205465.85/0/alex-pretend-v1-0-9-0-gfed40c9-tar-gz/alex-pretend-
a4b2399/setup.py
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## 1.134 libgrypt 1.8.6

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```

```
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```

```
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# 1.135 libgpg-error 1.39

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# 1.136 vim 8.2

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## 1.141 uwsgi 2.0.18

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## 1.142 python-pip 20.0.2

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team.

In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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|---------|--------------|------|-------|---------------------|
| 2.5     | 2.4          | 2006 | PSF   | yes                 |
| 2.5.1   | 2.5          | 2007 | PSF   | yes                 |
| 2.5.2   | 2.5.1        | 2008 | PSF   | yes                 |
| 2.5.3   | 2.5.2        | 2008 | PSF   | yes                 |
| 2.6     | 2.5          | 2008 | PSF   | yes                 |
| 2.6.1   | 2.6          | 2008 | PSF   | yes                 |
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| 2.6.3   | 2.6.2        | 2009 | PSF   | yes                 |
| 2.6.4   | 2.6.3        | 2009 | PSF   | yes                 |
| 2.6.5   | 2.6.4        | 2010 | PSF   | yes                 |
| 3.0     | 2.6          | 2008 | PSF   | yes                 |
| 3.0.1   | 3.0          | 2009 | PSF   | yes                 |
| 3.1     | 3.0.1        | 2009 | PSF   | yes                 |

|       |       |      |     |     |
|-------|-------|------|-----|-----|
| 3.1.1 | 3.1   | 2009 | PSF | yes |
| 3.1.2 | 3.1.1 | 2010 | PSF | yes |
| 3.1.3 | 3.1.2 | 2010 | PSF | yes |
| 3.1.4 | 3.1.3 | 2011 | PSF | yes |
| 3.2   | 3.1   | 2011 | PSF | yes |
| 3.2.1 | 3.2   | 2011 | PSF | yes |
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| 3.3   | 3.2   |      |     |     |
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|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |

|       |       |           |     |     |
|-------|-------|-----------|-----|-----|
| 2.1.3 |       |           |     |     |
| 2.1.2 | 2002  | PSF       | yes |     |
| 2.2.1 | 2.2   | 2002      | PSF | yes |
| 2.2.2 | 2.2.1 | 2002      | PSF | yes |
| 2.2.3 | 2.2.2 | 2003      | PSF | yes |
| 2.3   | 2.2.2 | 2002-2003 | PSF | yes |
| 2.3.1 | 2.3   | 2002-2003 | PSF | yes |
| 2.3.2 | 2.3.1 | 2002-2003 | PSF | yes |
| 2.3.3 | 2.3.2 | 2002-2003 | PSF | yes |
| 2.3.4 | 2.3.3 | 2004      | PSF | yes |
| 2.3.5 | 2.3.4 | 2005      | PSF | yes |
| 2.4   | 2.3   | 2004      | PSF | yes |
| 2.4.1 | 2.4   | 2005      | PSF | yes |
| 2.4.2 | 2.4.1 | 2005      | PSF | yes |
| 2.4.3 | 2.4.2 | 2006      | PSF | yes |
| 2.4.4 | 2.4.3 | 2006      | PSF | yes |
| 2.5   | 2.4   | 2006      | PSF | yes |
| 2.5.1 | 2.5   | 2007      | PSF | yes |
| 2.5.2 | 2.5.1 | 2008      | PSF | yes |
| 2.5.3 | 2.5.2 | 2008      | PSF | yes |
| 2.6   | 2.5   | 2008      | PSF | yes |
| 2.6.1 | 2.6   | 2008      | PSF | yes |
| 2.6.2 | 2.6.1 | 2009      | PSF | yes |
| 2.6.3 | 2.6.2 | 2009      | PSF | yes |
| 2.6.4 | 2.6.3 | 2009      | PSF | yes |
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Python was created in the early 1990s by Guido van Rossum at Stichting  
Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands  
as a successor of a language called ABC. Guido remains Python's  
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for  
National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>)  
in Reston, Virginia where he released several versions of the  
software.

In May 2000, Guido and the Python core development team moved to  
BeOpen.com to form the BeOpen PythonLabs team. In October of the same  
year, the PythonLabs team moved to Digital Creations (now Zope  
Corporation, see <http://www.zope.com>). In 2001, the Python Software  
Foundation (PSF, see <http://www.python.org/psf/>) was formed, a



non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          |              |           |            |                     |
| 2.1.2          | 2002         | PSF       | yes        |                     |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
| 2.2.2          | 2.2.1        | 2002      | PSF        | yes                 |
| 2.2.3          | 2.2.2        | 2003      | PSF        | yes                 |
| 2.3            | 2.2.2        | 2002-2003 | PSF        | yes                 |
| 2.3.1          | 2.3          | 2002-2003 | PSF        | yes                 |
| 2.3.2          | 2.3.1        | 2002-2003 | PSF        | yes                 |
| 2.3.3          | 2.3.2        | 2002-2003 | PSF        | yes                 |
| 2.3.4          | 2.3.3        | 2004      | PSF        | yes                 |
| 2.3.5          | 2.3.4        | 2005      | PSF        | yes                 |
| 2.4            | 2.3          | 2004      | PSF        | yes                 |
| 2.4.1          | 2.4          | 2005      | PSF        | yes                 |
| 2.4.2          | 2.4.1        | 2005      | PSF        | yes                 |
| 2.4.3          | 2.4.2        | 2006      | PSF        | yes                 |
| 2.4.4          | 2.4.3        | 2006      | PSF        | yes                 |
| 2.5            | 2.4          | 2006      | PSF        | yes                 |
| 2.5.1          | 2.5          | 2007      | PSF        | yes                 |
| 2.5.2          | 2.5.1        | 2008      | PSF        | yes                 |
| 2.5.3          | 2.5.2        | 2008      | PSF        | yes                 |
| 2.6            | 2.5          | 2008      | PSF        | yes                 |
| 2.6.1          | 2.6          | 2008      | PSF        | yes                 |
| 2.6.2          | 2.6.1        | 2009      | PSF        | yes                 |
| 2.6.3          | 2.6.2        | 2009      | PSF        | yes                 |
| 2.6.4          | 2.6.3        | 2009      | PSF        | yes                 |

|       |       |      |     |     |
|-------|-------|------|-----|-----|
| 2.6.5 | 2.6.4 | 2010 | PSF | yes |
| 3.0   | 2.6   | 2008 | PSF | yes |
| 3.0.1 | 3.0   | 2009 | PSF | yes |
| 3.1   | 3.0.1 | 2009 | PSF | yes |
| 3.1.1 | 3.1   | 2009 | PSF | yes |
| 3.1.2 | 3.1   | 2010 | PSF | yes |
| 3.2   | 3.1   | 2010 | PSF | yes |

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## History

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Before (and including) argparse 1.1, the argparse package was licensed under Apache License v2.0.

After argparse 1.1, all project files from the argparse project were deleted due to license compatibility issues between Apache License 2.0 and GNU GPL v2.

The project repository then had a clean start with some files taken from Python 2.7.1, so definitely all files are under Python License now.

=====

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=====

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- \* Daniel Stutzbach
- \* Daniel Holth
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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php\_curl, or with an Apache+mod\_ssl webserver for SSL client authentication.

Just configure this file as the SSLCACertificateFile.#

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@(#) \$RCSfile: certdata.txt,v \$



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# 1.143 click 7.1.2

## 1.143.1 Available under license :

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# binary only, patch it back to the system, and then use a wrapper

Found in path(s):

```
* /opt/cola/permits/1160566381_1620335255.38/0/pallets-click-7-1-2-0-g1784558-1-tar-gz/pallets-click-1784558/src/click/_compat.py
```

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```
import io
```

```
import re
```

```
from setuptools import find_packages
```

```
from setuptools import setup
```

```
with io.open("README.rst", "rt", encoding="utf8") as f:
```

```
    readme = f.read()
```

```
with io.open("src/click/__init__.py", "rt", encoding="utf8") as f:
```

```
    version = re.search(r'__version__ = "(.*?)"', f.read()).group(1)
```

```
setup(
```

```
    name="click",
```

```
    version=version,
```

```
    url="https://palletsprojects.com/p/click/",
```

```
    project_urls={
```

```
        "Documentation": "https://click.palletsprojects.com/",
```

```
        "Code": "https://github.com/pallets/click",
```

```
        "Issue tracker": "https://github.com/pallets/click/issues",
```

```
    },
```

```
    license="BSD-3-Clause",
```

```
    maintainer="Pallets",
```

```
    maintainer_email="contact@palletsprojects.com",
```

```
    description="Composable command line interface toolkit",
```

```
    long_description=readme,
```

```
    packages=find_packages("src"),
```

```
    package_dir={"": "src"},
```

```
    include_package_data=True,
```

```
    python_requires=">=2.7, !=3.0.*,
```

```
    !=3.1.*, !=3.2.*, !=3.3.*, !=3.4.*",
```

```
    classifiers=[
```

```
        "Development Status :: 5 - Production/Stable",
```

```
        "Intended Audience :: Developers",
```

```
"License :: OSI Approved :: BSD License",
"Operating System :: OS Independent",
"Programming Language :: Python",
"Programming Language :: Python :: 2",
"Programming Language :: Python :: 3",
],
)
```

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```
* /opt/cola/permits/1160566381_1620335255.38/0/pallets-click-7-1-2-0-g1784558-1-tar-gz/pallets-click-1784558/setup.py
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.. \_contrib:

```
=====
click-contrib
=====
```

As the userbase of Click grows, more and more major feature requests pop up in Click's bugtracker. As reasonable as it may be for those features to be bundled with Click instead of being a standalone project, many of those requested features are either highly experimental or have unproven practical use, while potentially being a burden to maintain.

This is why `click-contrib_` exists. The GitHub organization is a collection of possibly experimental third-party packages whose featureset does not belong into Click, but also a playground for major features that may be added to Click in the future. It is also meant to coordinate and concentrate effort on writing third-party extensions for Click, and to ease the effort of searching for such extensions. In that sense it could be described as a low-maintenance alternative to extension repositories of other frameworks.

Please

note that the quality and stability of those packages may be different than what you expect from Click itself. While published under a common organization, they are still projects separate from Click.

.. \_click-contrib: <https://github.com/click-contrib/>

Found in path(s):

```
* /opt/cola/permits/1160566381_1620335255.38/0/pallets-click-7-1-2-0-g1784558-1-tar-gz/pallets-click-1784558/docs/contrib.rst
```

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\* /opt/cola/permits/1160566381\_1620335255.38/0/pallets-click-7-1-2-0-g1784558-1-tar-gz/pallets-click-1784558/src/click/parser.py

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\* /opt/cola/permits/1160566381\_1620335255.38/0/pallets-click-7-1-2-0-g1784558-1-tar-gz/pallets-click-1784558/tests/test\_formatting.py

# 1.144 python-pip 20.1.1

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|---------|--------------|------|-------|---------------------|
| 2.5     | 2.4          | 2006 | PSF   | yes                 |
| 2.5.1   | 2.5          | 2007 | PSF   | yes                 |
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| 2.5.3   | 2.5.2        | 2008 | PSF   | yes                 |
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| 2.6.4   | 2.6.3        | 2009 | PSF   | yes                 |
| 2.6.5   | 2.6.4        | 2010 | PSF   | yes                 |
| 3.0     | 2.6          | 2008 | PSF   | yes                 |
| 3.0.1   | 3.0          | 2009 | PSF   | yes                 |
| 3.1     | 3.0.1        | 2009 | PSF   | yes                 |
| 3.1.1   | 3.1          | 2009 | PSF   | yes                 |
| 3.1.2   | 3.1.1        | 2010 | PSF   | yes                 |

|       |       |      |     |     |
|-------|-------|------|-----|-----|
| 3.1.3 | 3.1.2 | 2010 | PSF | yes |
| 3.1.4 | 3.1.3 | 2011 | PSF | yes |
| 3.2   | 3.1   | 2011 | PSF | yes |
| 3.2.1 | 3.2   | 2011 | PSF | yes |
| 3.2.2 | 3.2.1 | 2011 | PSF | yes |
| 3.3   | 3.2   |      |     |     |
| 2012  | PSF   | yes  |     |     |

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| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          |              |           |            |                     |
| 2.1.2          | 2002         | PSF       | yes        |                     |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |

|       |       |           |     |     |
|-------|-------|-----------|-----|-----|
| 2.2.2 | 2.2.1 | 2002      | PSF | yes |
| 2.2.3 | 2.2.2 | 2003      | PSF | yes |
| 2.3   | 2.2.2 | 2002-2003 | PSF | yes |
| 2.3.1 | 2.3   | 2002-2003 | PSF | yes |
| 2.3.2 | 2.3.1 | 2002-2003 | PSF | yes |
| 2.3.3 | 2.3.2 | 2002-2003 | PSF | yes |
| 2.3.4 | 2.3.3 | 2004      | PSF | yes |
| 2.3.5 | 2.3.4 | 2005      | PSF | yes |
| 2.4   | 2.3   | 2004      | PSF | yes |
| 2.4.1 | 2.4   | 2005      | PSF | yes |
| 2.4.2 | 2.4.1 | 2005      | PSF | yes |
| 2.4.3 | 2.4.2 | 2006      | PSF | yes |
| 2.4.4 | 2.4.3 | 2006      | PSF | yes |
| 2.5   | 2.4   | 2006      | PSF | yes |
| 2.5.1 | 2.5   | 2007      | PSF | yes |
| 2.5.2 | 2.5.1 | 2008      | PSF | yes |
| 2.5.3 | 2.5.2 | 2008      | PSF | yes |
| 2.6   | 2.5   | 2008      | PSF | yes |
| 2.6.1 | 2.6   | 2008      | PSF | yes |
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| 2.6.3 | 2.6.2 | 2009      | PSF | yes |
| 2.6.4 | 2.6.3 | 2009      | PSF | yes |
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#### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member

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the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          |              |           |            |                     |
| 2.1.2          | 2002         | PSF       | yes        |                     |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
| 2.2.2          | 2.2.1        | 2002      | PSF        | yes                 |
| 2.2.3          | 2.2.2        | 2003      | PSF        | yes                 |
| 2.3            | 2.2.2        | 2002-2003 | PSF        | yes                 |
| 2.3.1          | 2.3          | 2002-2003 | PSF        | yes                 |
| 2.3.2          | 2.3.1        | 2002-2003 | PSF        | yes                 |
| 2.3.3          | 2.3.2        | 2002-2003 | PSF        | yes                 |
| 2.3.4          | 2.3.3        | 2004      | PSF        | yes                 |
| 2.3.5          | 2.3.4        | 2005      | PSF        | yes                 |
| 2.4            | 2.3          | 2004      | PSF        | yes                 |
| 2.4.1          | 2.4          | 2005      | PSF        | yes                 |
| 2.4.2          | 2.4.1        | 2005      | PSF        | yes                 |
| 2.4.3          | 2.4.2        | 2006      | PSF        | yes                 |
| 2.4.4          | 2.4.3        | 2006      | PSF        | yes                 |
| 2.5            | 2.4          | 2006      | PSF        | yes                 |
| 2.5.1          | 2.5          | 2007      | PSF        | yes                 |
| 2.5.2          | 2.5.1        | 2008      | PSF        | yes                 |
| 2.5.3          | 2.5.2        | 2008      | PSF        | yes                 |
| 2.6            | 2.5          | 2008      | PSF        | yes                 |
| 2.6.1          | 2.6          | 2008      | PSF        | yes                 |
| 2.6.2          | 2.6.1        | 2009      | PSF        | yes                 |
| 2.6.3          | 2.6.2        | 2009      | PSF        | yes                 |
| 2.6.4          | 2.6.3        | 2009      | PSF        | yes                 |
| 2.6.5          | 2.6.4        | 2010      | PSF        | yes                 |
| 3.0            | 2.6          | 2008      | PSF        | yes                 |

|       |       |      |     |     |
|-------|-------|------|-----|-----|
| 3.0.1 | 3.0   | 2009 | PSF | yes |
| 3.1   | 3.0.1 | 2009 | PSF | yes |
| 3.1.1 | 3.1   | 2009 | PSF | yes |
| 3.1.2 | 3.1   | 2010 | PSF | yes |
| 3.2   | 3.1   | 2010 | PSF | yes |

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

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History

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Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

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Found in path(s):

\* /opt/cola/permits/1156180158\_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/README.rst

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Found in path(s):

```
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/util/structures.py
```

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Metadata-Version: 1.1

Name: falcon

Version: 1.1.0

Summary: An unladen web framework for building APIs and app backends.

Home-page: <http://falconframework.org>

Author: Kurt Griffiths

Author-email: [mail@kgriffs.com](mailto:mail@kgriffs.com)

License: Apache 2.0

Description: Falcon |[Docs](#)| |[Build Status](#)| |[codecov.io](#)|

=====

Perfection is finally attained not when there is no longer anything to add, but when there is no longer anything to take away.

\*- Antoine de Saint-Exupéry\*

Falcon is a `high-performance Python framework <<http://falconframework.org/index.html>>` \_\_ for building cloud APIs. It encourages the REST architectural style, and tries to do as little as possible while remaining `highly effective <<http://falconframework.org/index.html#Benefits>>` \_\_.

Quick Links

-----

\* `Read the docs <<https://falcon.readthedocs.io/en/stable>>` \_\_.  
\* `Join the discussion group <<https://groups.google.com/forum/#!forum/falconframework>>` \_\_.  
\* `Hang out in #falconframework on freenode <<https://kiwiirc.com/client/irc.freenode.net/?#falconframework>>` \_\_.

Design Goals

-----

**\*\*Fast.\*\*** Cloud APIs need to turn around requests quickly, and make efficient use of hardware. This is particularly important when serving many concurrent requests. Falcon is among the fastest WSGI frameworks

available, processing requests

several times faster <http://falconframework.org/#Metrics> than other Python web frameworks.

**Light.** Only the essentials are included, with `six` and `mimemagic` being the only dependencies outside the standard library. We work hard to keep the code lean, making Falcon easier to test, secure, optimize, and deploy.

**Flexible.** Falcon is not opinionated when it comes to talking to databases, rendering content, authorizing requests, etc. You are free to mix and match your own favorite libraries. Falcon apps work with any WSGI server, and run great under CPython 2.6-2.7, PyPy, Jython 2.7, and CPython 3.3-3.5 <https://travis-ci.org/falconry/falcon>.

## Features

-----

- Highly-optimized, extensible code base
- Intuitive routing via URI templates and REST-inspired resource classes
- Easy access to headers and bodies through request and response classes
- DRY request processing via middleware components and hooks
- Idiomatic HTTP error responses
- Straightforward exception handling
- Snappy unit testing through WSGI helpers and mocks
- CPython 2.6-2.7, PyPy, Jython 2.7, and CPython 3.3-3.5 support
- ~20%

speed boost when Cython is available

## Who's Using Falcon?

-----

Falcon is used around the world by a growing number of organizations, including:

- 7ideas
- Cronitor
- EMC
- Hurricane Electric
- Leadpages
- OpenStack
- Rackspace
- Shiftgig
- tempfil.es
- Opera Software

If you are using the Falcon framework for a community or commercial project, please consider adding your information to our wiki under ``Who's Using Falcon? <https://github.com/falconry/falcon/wiki/Who's-using-Falcon%3F>`_`

You might also like to view our ``Add-on Catalog <https://github.com/falconry/falcon/wiki/Add-on-Catalog>`_`, where you can find a list of add-ons maintained by the community.

## Installation

-----

### PyPy

^^^^

``PyPy <http://pypy.org/>`_`

is the fastest way to run your Falcon app.

However, note that only the PyPy 2.7 compatible release is currently supported.

```
.. code:: bash
```

```
$ pip install falcon
```

### CPython

^^^^^^

Falcon also fully supports

``CPython <https://www.python.org/downloads/>`_` 2.6-3.5.

A universal wheel is available on PyPI for the the Falcon framework.

Installing it is as simple as:

```
.. code:: bash
```

```
$ pip install falcon
```

Installing the wheel is a great way to get up and running with Falcon quickly in a development environment, but for an extra speed boost when deploying your application in production, Falcon can compile itself with Cython.

The following commands tell pip to install Cython, and then to invoke Falcon's ```setup.py```, which will in turn detect the presence of

Cython

and then compile (AKA cythonize) the Falcon framework with the system's default C compiler.

```
.. code:: bash
```

```
$ pip install cython
$ pip install --no-binary :all: falcon
```

**\*\*Installing on OS X\*\***

Xcode Command Line Tools are required to compile Cython. Install them with this command:

```
.. code:: bash
```

```
$ xcode-select --install
```

The Clang compiler treats unrecognized command-line options as errors; this can cause problems under Python 2.6, for example:

```
.. code:: bash
```

```
clang: error: unknown argument: '-mno-fused-madd' [-Wunused-command-line-argument-hard-error-in-future]
```

You might also see warnings about unused functions. You can work around these issues by setting additional Clang C compiler flags as follows:

```
.. code:: bash
```

```
$ export CFLAGS="-Qunused-arguments -Wno-unused-function"
```

Dependencies  
^^^^^^^^^^^^^^

Falcon depends on `six` and `python-mimeparse`. `python-mimeparse` is a better-maintained fork of the similarly named `mimeparse` project. Normally the correct package will be selected by Falcon's ``setup.py``. However, if you are using an alternate strategy to manage dependencies, please take care to install the correct package in order to avoid errors.

WSGI Server  
-----

Falcon speaks WSGI, and so in order to serve a Falcon app, you will need a WSGI server. Gunicorn and uWSGI are some of the more popular ones out there, but anything that can load a WSGI app will do.

```
.. code:: bash
```

```
$ pip install [gunicorn|uwsgi]
```

#### Source Code

-----

Falcon `lives on GitHub <<https://github.com/falconry/falcon>>`, making the code easy to browse, download, fork, etc. Pull requests are always welcome! Also, please remember to star the project if it makes you happy. :)

Once you have cloned the repo or downloaded a tarball from GitHub, you can install Falcon like this:

```
.. code:: bash
```

```
$ cd falcon
$ pip install .
```

Or, if you want to edit the code, first fork the main repo, clone the fork to your desktop, and then run the following to install it using symbolic linking, so that when you change your code, the changes will be automagically available to your app without having to reinstall the package:

```
.. code:: bash
```

```
$ cd falcon
$ pip install -e .
```

You can manually test changes to the Falcon framework by switching to the directory of the cloned repo and then running pytest:

```
.. code:: bash
```

```
$ cd falcon
$ pip install -r tools/test-requirements
$ pytest tests
```

Or, to run the default set of tests:

```
.. code:: bash
```

```
$ pip install tox && tox
```

See also the `tox.ini <<https://github.com/falconry/falcon/blob/master/tox.ini>>` file for a full list of available environments.



Read the docs

-----

The docstrings in the Falcon code base are quite extensive, and we recommend keeping a REPL running while learning the framework so that you can query the various modules and classes as you have questions.

Online docs are available at: <https://falcon.readthedocs.io>

You can build the same docs locally as follows:

```
.. code:: bash
```

```
$ pip install tox && tox -e docs
```

Once the docs have been built, you can view them by opening the following index page in your browser. On OS X it's as simple as::

```
$ open docs/_build/html/index.html
```

Or on Linux:

```
$ xdg-open docs/_build/html/index.html
```

Getting started

-----

Here is a simple, contrived example showing how to create a Falcon-based API.

```
.. code:: python
```

```
# things.py
```

```
# Let's get this party started!
```

```
import falcon
```

```
# Falcon follows the REST architectural style, meaning (among  
# other things) that you think in terms of resources and state  
# transitions, which map to HTTP verbs.
```

```
class ThingsResource(object):
```

```
    def on_get(self, req, resp):
```

```
        """Handles GET requests"""
```

```
        resp.status = falcon.HTTP_200 # This is the default status
```

```
        resp.body
```

```
= (\nTwo things awe me most, the starry sky '  
    'above me and the moral law within me.\n'  
    '\n'  
    ' ~ Immanuel Kant\n\n')
```

```
# falcon.API instances are callable WSGI apps  
app = falcon.API()  
  
# Resources are represented by long-lived class instances  
things = ThingsResource()  
  
# things will handle all requests to the '/things' URL path  
app.add_route('/things', things)
```

You can run the above example using any WSGI server, such as uWSGI or Gunicorn. For example:

```
.. code:: bash  
  
$ pip install gunicorn  
$ gunicorn things:app
```

Then, in another terminal:

```
.. code:: bash  
  
$ curl localhost:8000/things
```

A more complex example

-----

Here is a more involved example that demonstrates reading headers and query parameters, handling errors, and working with request and response bodies.

```
.. code:: python  
  
import json  
import logging  
import uuid  
from wsgiref import simple_server  
  
import falcon  
import requests  
  
class StorageEngine(object):
```

```

def get_things(self, marker, limit):
    return [{'id': str(uuid.uuid4()), 'color': 'green'}]

def add_thing(self, thing):
    thing['id'] = str(uuid.uuid4())
    return thing

class StorageError(Exception):

    @staticmethod
    def handle(ex, req, resp, params):
        description = ('Sorry, couldn\'t write your thing to the '
                       'database.
It worked on my box.')

        raise falcon.HTTPError(falcon.HTTP_725,
                               'Database Error',
                               description)

```

```

class SinkAdapter(object):

    engines = {
        'ddg': 'https://duckduckgo.com',
        'y': 'https://search.yahoo.com/search',
    }

    def __call__(self, req, resp, engine):
        url = self.engines[engine]
        params = {'q': req.get_param('q', True)}
        result = requests.get(url, params=params)

        resp.status = str(result.status_code) + ' ' + result.reason
        resp.content_type = result.headers['content-type']
        resp.body = result.text

```

```

class AuthMiddleware(object):

    def process_request(self, req, resp):
        token = req.get_header('Authorization')
        account_id = req.get_header('Account-ID')

        challenges = ["Token type=\"Fernet\""]

        if token is None:
            description = ('Please provide an auth token '

```

```

        'as part of the request.')

    raise falcon.HTTPUnauthorized('Auth token required',
                                  description,
                                  challenges,
                                  href='http://docs.example.com/auth')

    if not self._token_is_valid(token, account_id):
        description = ('The provided auth token is not valid. '
                       'Please request a new token and try again.')

        raise falcon.HTTPUnauthorized('Authentication
required',
                                      description,
                                      challenges,
                                      href='http://docs.example.com/auth')

    def _token_is_valid(self, token, account_id):
        return True # Suuuuuure it's valid...

class RequireJSON(object):

    def process_request(self, req, resp):
        if not req.client_accepts_json:
            raise falcon.HTTPNotAcceptable(
                'This API only supports responses encoded as JSON.',
                href='http://docs.examples.com/api/json')

        if req.method in ('POST', 'PUT'):
            if 'application/json' not in req.content_type:
                raise falcon.HTTPUnsupportedMediaType(
                    'This API only supports
requests encoded as JSON.',
                    href='http://docs.examples.com/api/json')

class JSONTranslator(object):

    def process_request(self, req, resp):
        # req.stream corresponds to the WSGI wsgi.input environ variable,
        # and allows you to read bytes from the request body.
        #
        # See also: PEP 3333
        if req.content_length in (None, 0):
            # Nothing to do
            return

```

```

body = req.stream.read()
if not body:
    raise falcon.HTTPBadRequest('Empty request body',
                                'A valid JSON document is required.')

try:
    req.context['doc'] = json.loads(body.decode('utf-8'))

except (ValueError, UnicodeDecodeError):
    raise falcon.HTTPError(falcon.HTTP_753,
                          'Malformed JSON',
                          'Could not decode the request body. The '
                          'JSON was incorrect or not encoded as '
                          'UTF-8.')

def process_response(self, req, resp, resource):
    if 'result' not in req.context:
        return

    resp.body = json.dumps(req.context['result'])

def max_body(limit):

def hook(req, resp, resource, params):
    length = req.content_length
    if length is not None and length > limit:
        msg = ('The size of the request is too large. The body must not '
              'exceed ' + str(limit) + ' bytes in length.')

        raise falcon.HTTPRequestEntityTooLarge(
            'Request body is too large', msg)

    return hook

class ThingsResource(object):

def __init__(self, db):
    self.db = db
    self.logger = logging.getLogger('thingsapp.' + __name__)

def on_get(self, req, resp, user_id):
    marker = req.get_param('marker') or ''
    limit = req.get_param_as_int('limit') or 50

    try:
        result = self.db.get_things(marker, limit)

```

```

except Exception as ex:
    self.logger.error(ex)

    description = ('Aliens have attacked our base! We will '
                  'be back as soon as we fight them off. '
                  'We appreciate your patience.')
```

```

    raise falcon.HTTPServiceUnavailable(
        'Service Outage',
        description,
        30)

# An alternative way of doing DRY serialization would be to
# create a custom class that inherits from falcon.Request. This
# class could, for example, have an additional 'doc' property
# that would serialize to JSON under the covers.
req.context['result'] = result

resp.set_header('Powered-By', 'Falcon')
resp.status = falcon.HTTP_200

@falcon.before(max_body(64 * 1024))
def on_post(self, req, resp, user_id):
    try:
        doc = req.context['doc']
    except KeyError:
        raise falcon.HTTPBadRequest(
            'Missing thing',
            'A thing must be submitted in the request body.')
```

```

    proper_thing = self.db.add_thing(doc)

    resp.status = falcon.HTTP_201
    resp.location = '/%s/things/%s' % (user_id, proper_thing['id'])

# Configure your WSGI server to load "things.app" (app is a WSGI callable)
app = falcon.API(middleware=[
    AuthMiddleware(),
    RequireJSON(),
    JSONTranslator(),
])

db = StorageEngine()
things = ThingsResource(db)
app.add_route('/{user_id}/things', things)

```

```

# If a responder ever raised an instance of StorageError, pass control to
# the given handler.
app.add_error_handler(StorageError, StorageError.handle)

# Proxy some things to another service; this example shows how you might

# send parts of an API off to a legacy system that hasn't been upgraded
# yet, or perhaps is a single cluster that all data centers have to share.
sink = SinkAdapter()
app.add_sink(sink, r'/search/(?P<engine>ddg|y)\Z')

# Useful for debugging problems in your API; works with pdb.set_trace(). You
# can also use Gunicorn to host your app. Gunicorn can be configured to
# auto-restart workers when it detects a code change, and it also works
# with pdb.
if __name__ == '__main__':
    httpd = simple_server.make_server('127.0.0.1', 8000, app)
    httpd.serve_forever()

```

## Community

-----

The Falcon community maintains a discussion group that you can use to share your ideas and ask questions about the framework. To join the discussion, please visit <https://groups.google.com/d/forum/falconframework>.

Per our

`Code of Conduct <<https://github.com/falconry/falcon/blob/master/CODEOFCONDUCT.md>>`, we expect everyone who participates in community discussions to act professionally, and lead by example in encouraging constructive discussions. Each individual in the community is responsible for creating a positive, constructive, and productive culture.

We also hang out in

`#falconframework <<https://kiwiirc.com/client/irc.freenode.net/?#falconframework>>` on freenode, where everyone is always welcome to ask questions and share ideas.

## Contributing

-----

Kurt Griffiths (kgriffs) is the creator and current maintainer of the Falcon framework, with the generous help of a number of stylish and talented contributors.

Pull requests are always welcome. We use the GitHub issue tracker to organize our work, put you

do not need to open a new issue before submitting a PR.

Before submitting a pull request, please ensure you have added/updated the appropriate tests (and that all existing tests still pass with your changes), and that your coding style follows PEP 8 and doesn't cause pyflakes to complain.

Commit messages should be formatted using `AngularJS conventions` <http://goo.gl/QpbS7> `\_\_`.

Comments follow `Google's style guide` <https://google.github.io/styleguide/pyguide.html?showone=Comments#Comments> `\_\_`, with the additional requirement of prefixing inline comments using your GitHub nick and an appropriate prefix:

- TODO(riker): Damage report!
- NOTE(riker): Well, that's certainly good to know.
- PERF(riker): Travel time to the nearest starbase?
- APPSEC(riker): In all trust, there is the possibility for betrayal.

See also: `CONTRIBUTING.md` <https://github.com/falconry/falcon/blob/master/CONTRIBUTING.md> `\_\_`

Legal

-----

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:target: <https://falcon.readthedocs.io/en/stable/?badge=stable>



```
:alt: Falcon web framework docs
.. |Runner| image:: https://a248.e.akamai.net/assets.github.com/images/icons/emoji/runner.png
:width: 20
:height: 20
.. |Build Status| image:: https://travis-ci.org/falconry/falcon.svg
:target: https://travis-ci.org/falconry/falcon
.. |codecov.io| image:: http://codecov.io/github/falconry/falcon/coverage.svg?branch=master
:target: http://codecov.io/github/falconry/falcon?branch=master
```

Keywords: wsgi web api framework rest http cloud

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable

Classifier: Environment :: Web Environment

Classifier: Natural Language :: English

Classifier:

Intended Audience :: Developers

Classifier: Intended Audience :: System Administrators

Classifier: License :: OSI Approved :: Apache Software License

Classifier: Operating System :: MacOS :: MacOS X

Classifier: Operating System :: Microsoft :: Windows

Classifier: Operating System :: POSIX

Classifier: Topic :: Internet :: WWW/HTTP :: WSGI

Classifier: Topic :: Software Development :: Libraries :: Application Frameworks

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: Implementation :: CPython

Classifier: Programming Language :: Python :: Implementation :: PyPy

Classifier: Programming Language :: Python :: Implementation :: Jython

Classifier: Programming Language :: Python :: 2.6

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3.3

Classifier: Programming Language :: Python :: 3.4

Classifier: Programming Language :: Python :: 3.5

Found in path(s):

```
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/PKG-INFO
```

```
*
```

```
/opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon.egg-info/PKG-INFO
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```

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```

Found in path(s):

```
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/testing/resource.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/cmd/bench.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/http_error.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/responders.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/bench/queues/api.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/bench/queues/stats.py  
*  
/opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/util/misc.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/testing/client.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/request_helpers.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/response_helpers.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/redirects.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/routing/__init__.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/cmd/print_routes.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/request.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/errors.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/bench/queues/claims.py  
*  
/opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/hooks.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/__init__.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-  
1.1.0/falcon/bench/queues/messages.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/util/uri.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/response.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/testing/base.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/tools/build.sh  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/status_codes.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/bench/queues/queues.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/version.py  
*  
/opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/bench/bench.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/api_helpers.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/testing/__init__.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/http_status.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/routing/compiled.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/api.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/routing/util.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/testing/srmock.py  
* /opt/cola/permits/1156180158_1619139170.53/0/falcon-1-1-0-tar-gz/falcon-1.1.0/falcon/testing/test_case.py
```

# 1.146 ply 3.11

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# PLY (Python Lex-Yacc)                      Version 3.11

[![Build Status](https://travis-ci.org/dabeaz/ply.svg?branch=master)](https://travis-ci.org/dabeaz/ply)

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Introduction  
=====

PLY is a 100% Python implementation of the common parsing tools lex and yacc. Here are a few highlights:

- PLY is very closely modeled after traditional lex/yacc.  
If you know how to use these tools in C, you will find PLY to be similar.
- PLY provides \*very\* extensive error reporting and diagnostic information to assist in parser construction. The original implementation was developed for instructional purposes. As a result, the system tries to identify the most common types of errors made by novice users.
- PLY provides full support for empty productions, error recovery, precedence specifiers, and moderately ambiguous grammars.
- Parsing is based on LR-parsing which is fast, memory efficient, better suited to large grammars, and which has a number of nice properties when dealing with syntax errors and other parsing problems. Currently, PLY builds its parsing tables using the LALR(1) algorithm used in yacc.
- PLY uses Python introspection features to build lexers and parsers. This greatly simplifies the task of parser construction since it reduces the number of files and eliminates the need to run a separate lex/yacc tool before running your program.
- PLY can be used to build parsers for "real" programming languages. Although it is not ultra-fast due to its Python implementation, PLY can be used to parse grammars consisting of several hundred rules (as might be found for a language like C). The lexer and LR parser are also reasonably efficient when parsing typically sized programs. People have used PLY to build parsers for C, C++, ADA, and other real programming languages.

#### How to Use

=====

PLY consists of two files : lex.py and yacc.py. These are contained within the 'ply' directory which may also be used as a Python package. To use PLY, simply copy the 'ply' directory to your project and import lex and yacc from the associated 'ply' package. For example:

```
import ply.lex as lex
import ply.yacc as yacc
```

Alternatively, you can copy just the files lex.py and yacc.py individually and use them as modules. For example:

```
import lex
import yacc
```

The file setup.py can be used to install  
ply using distutils.

The file doc/ply.html contains complete documentation on how to use  
the system.

The example directory contains several different examples including a  
PLY specification for ANSI C as given in K&R 2nd Ed.

A simple example is found at the end of this document

#### Requirements

=====

PLY requires the use of Python 2.6 or greater. However, you should  
use the latest Python release if possible. It should work on just  
about any platform. PLY has been tested with both CPython and Jython.  
It also seems to work with IronPython.

#### Resources

=====

More information about PLY can be obtained on the PLY webpage at:

<http://www.dabeaz.com/ply>

For a detailed overview of parsing theory, consult the excellent  
book "Compilers : Principles, Techniques, and Tools" by Aho, Sethi, and  
Ullman. The topics found in "Lex & Yacc" by Levine, Mason, and Brown  
may also be useful.

The GitHub page for PLY can be found at:

<https://github.com/dabeaz/ply>

An old and  
relatively inactive discussion group for PLY is found at:

<http://groups.google.com/group/ply-hack>

#### Acknowledgments

=====

A special thanks is in order for all of the students in CS326 who  
suffered through about 25 different versions of these tools :-).

The CHANGES file acknowledges those who have contributed patches.

Elias Ioup did the first implementation of LALR(1) parsing in PLY-1.x.  
Andrew Waters and Markus Schoepflin were instrumental in reporting bugs

and testing a revised LALR(1) implementation for PLY-2.0.

### Special Note for PLY-3.0

=====

PLY-3.0 the first PLY release to support Python 3. However, backwards compatibility with Python 2.6 is still preserved. PLY provides dual Python 2/3 compatibility by restricting its implementation to a common subset of basic language features. You should not convert PLY using 2to3--it is not necessary and may in fact break the implementation.

### Example

=====

Here is a simple example showing a PLY implementation of a calculator with variables.

```
# -----
# calc.py
#
# A simple calculator with variables.
# -----

tokens = (
    'NAME','NUMBER',
    'PLUS','MINUS','TIMES','DIVIDE','EQUALS',
    'LPAREN','RPAREN',
    )

# Tokens

t_PLUS = r\+'
t_MINUS = r\-'
t_TIMES = r\*'
t_DIVIDE = r\/'
t_EQUALS = r\='
t_LPAREN = r\(
t_RPAREN = r\)
t_NAME = r'[a-zA-Z][a-zA-Z0-9_]*'

def t_NUMBER(t):
    r\d+'
    t.value = int(t.value)
    return t

# Ignored characters
t_ignore = " \t"
```

```

def t_newline(t):
    r'\n+'
    t.lexer.lineno += t.value.count("\n")

def t_error(t):
    print("Illegal character '%s'" % t.value[0])
    t.lexer.skip(1)

# Build the lexer
import ply.lex as lex
lex.lex()

# Precedence
rules for the arithmetic operators
precedence = (
    ('left','PLUS','MINUS'),
    ('left','TIMES','DIVIDE'),
    ('right','UMINUS'),
    )

# dictionary of names (for storing variables)
names = { }

def p_statement_assign(p):
    'statement : NAME EQUALS expression'
    names[p[1]] = p[3]

def p_statement_expr(p):
    'statement : expression'
    print(p[1])

def p_expression_binop(p):
    """expression : expression PLUS expression
                  | expression MINUS expression
                  | expression TIMES expression
                  | expression DIVIDE expression"""
    if p[2] == '+': p[0] = p[1] + p[3]
    elif p[2] == '-': p[0] = p[1] - p[3]
    elif p[2] == '*': p[0] = p[1] * p[3]
    elif p[2] == '/': p[0] = p[1] / p[3]

def p_expression_uminus(p):
    'expression : MINUS expression %prec UMINUS'
    p[0] = -p[2]

def p_expression_group(p):
    'expression : LPAREN

```

```

expression RPAREN'
    p[0] = p[2]

def p_expression_number(p):
    'expression : NUMBER'
    p[0] = p[1]

def p_expression_name(p):
    'expression : NAME'
    try:
        p[0] = names[p[1]]
    except LookupError:
        print("Undefined name '%s'" % p[1])
        p[0] = 0

def p_error(p):
    print("Syntax error at '%s'" % p.value)

import ply.yacc as yacc
yacc.yacc()

while True:
    try:
        s = raw_input('calc > ') # use input() on Python 3
    except EOFError:
        break
    yacc.parse(s)

```

## Bug Reports and Patches

=====

My goal with PLY is to simply have a decent lex/yacc implementation for Python. As a general rule, I don't spend huge amounts of time working on it unless I receive very specific bug reports and/or patches to fix problems. I also try to incorporate submitted feature requests and enhancements into each new version. Please visit the PLY github page at <https://github.com/dabeaz/ply> to submit issues and pull requests. To contact me about bugs and/or new features, please send email to [dave@dabeaz.com](mailto:dave@dabeaz.com).

-- Dave

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## 1.147 markupsafe 1.1.1

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/\*\*

\* markupsafe.\_speedups

\* ~~~~~

\*

\* C implementation of escaping for better performance. Used instead of

\* the native Python implementation when compiled.

\*

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\* /opt/cola/permits/1160876786\_1620411589.43/0/sailfishos-mirror-markupsafe-1-1-1-0-g22c946d-1-targz/sailfishos-mirror-markupsafe-22c946d/src/markupsafe/\_native.py

\* /opt/cola/permits/1160876786\_1620411589.43/0/sailfishos-mirror-markupsafe-1-1-1-0-g22c946d-1-targz/sailfishos-mirror-markupsafe-22c946d/src/markupsafe/\_constants.py

\* /opt/cola/permits/1160876786\_1620411589.43/0/sailfishos-mirror-markupsafe-1-1-1-0-g22c946d-1-targz/sailfishos-mirror-markupsafe-22c946d/src/markupsafe/\_\_init\_\_.py

\* /opt/cola/permits/1160876786\_1620411589.43/0/sailfishos-mirror-markupsafe-1-1-1-0-g22c946d-1-tar-gz/sailfishos-mirror-markupsafe-22c946d/src/markupsafe/\_compat.py

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Found in path(s):

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## 1.148 pexpect 4.8.0

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## 1.149 attrs 20.2.0

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## 1.153 itsdangerous 1.1.0

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```
.. rst-class:: hide-header
```

```
itsdangerous  
=====
```

```
.. image:: _static/itsdangerous-logo.png  
:align: center  
:target: https://palletsprojects.com/p/itsdangerous/
```

Sometimes you just want to send some data to untrusted environments. But how to do this safely? The trick involves signing. Given a key only you know, you can cryptographically sign your data and hand it over to someone else. When you get the data back you can easily ensure that nobody tampered with it.

Granted, the receiver can decode the contents and look into the package, but they can not modify the contents unless they also have your secret key. So if you keep the key secret and complex, you will be fine.

Internally itsdangerous uses HMAC and SHA-512 for signing by default. The initial implementation was inspired by `Django's signing module` <<https://docs.djangoproject.com/en/dev/topics/signing/>>`. It also supports JSON Web Signatures (JWS). The library is BSD licensed.

### Installing

-----

Install and update using `pip`\_:

```
.. code-block:: text
```

```
pip install -U itsdangerous
```

```
.. _pip: https://pip.pypa.io/en/stable/quickstart/
```

### Example Use Cases

-----

- You can serialize and sign a user ID in a URL and email it to them to unsubscribe from a newsletter. This way you don't need to generate one-time tokens and store them in the database. Same thing with any kind of activation link for accounts and similar things.



- Signed objects can be stored in cookies or other untrusted sources which means you don't need to have sessions stored on the server, which reduces the number of necessary database queries.
- Signed information can safely do a roundtrip between server and client in general which makes them useful for passing server-side state to a client and then back.

## Table of Contents

-----

.. toctree::

signer  
serializer  
exceptions  
timed

url\_safe  
jws  
encoding  
license  
changes

Found in path(s):

\* /opt/cola/permits/1160881332\_1620412835.08/0/pallets-itsdangerous-1-1-0-0-g6e63598-1-tar-gz/pallets-itsdangerous-6e63598/docs/index.rst

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```
import io
import re
```

```
from setuptools import find_packages
from setuptools import setup
```

```
with io.open("README.rst", "rt", encoding="utf8") as f:
    readme = f.read()
```

```
with io.open("src/itsdangerous/__init__.py", "rt", encoding="utf8") as f:
    version = re.search(r"__version__ = \"(.*)\"", f.read()).group(1)
```

```
setup(
    name="itsdangerous",
    version=version,
    url="https://palletsprojects.com/p/itsdangerous/",
    project_urls={
        "Documentation": "https://itsdangerous.palletsprojects.com/",
        "Code": "https://github.com/pallets/itsdangerous",
    }
)
```

```

    "Issue tracker": "https://github.com/pallets/itsdangerous/issues",
  },
  license="BSD",
  author="Armin Ronacher",
  author_email="armin.ronacher@active-4.com",
  maintainer="Pallets Team",
  maintainer_email="contact@palletsprojects.com",
  description="Various helpers to pass data to untrusted environments and back.",
  long_description=readme,
  packages=find_packages("src"),
  package_dir={"": "src"},
  include_package_data=True,
  python_requires=">=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*",
  classifiers=[
    "Development Status :: 5 - Production/Stable",
    "Intended Audience :: Developers",
    "License :: OSI Approved :: BSD License",
    "Operating System :: OS Independent",
    "Programming Language :: Python",
    "Programming Language :: Python :: 2",
    "Programming Language :: Python :: 2.7",
    "Programming Language :: Python :: 3",
    "Programming Language :: Python :: 3.4",
    "Programming Language :: Python :: 3.5",
    "Programming Language :: Python :: 3.6",
    "Programming Language :: Python :: 3.7",
  ],
)

```

Found in path(s):

```
* /opt/cola/permits/1160881332_1620412835.08/0/pallets-itsdangerous-1-1-0-0-g6e63598-1-tar-gz/pallets-itsdangerous-6e63598/setup.py
```

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----

The initial implementation of itsdangerous was inspired by Django's signing module.

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# 1.154 jinja2 2.11.2

## 1.154.1 Available under license :

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```
import io
import re

from setuptools import find_packages
from setuptools import setup

with io.open("README.rst", "rt", encoding="utf8") as f:
    readme = f.read()

with io.open("src/jinja2/__init__.py", "rt", encoding="utf8") as f:
    version = re.search(r'__version__ = "(.*?)"', f.read(), re.M).group(1)

setup(
    name="Jinja2",
    version=version,
    url="https://palletsprojects.com/p/jinja/",
    project_urls={
        "Documentation": "https://jinja.palletsprojects.com/",
        "Code": "https://github.com/pallets/jinja",
        "Issue tracker": "https://github.com/pallets/jinja/issues",
    },
    license="BSD-3-Clause",
    author="Armin Ronacher",
    author_email="armin.ronacher@active-4.com",
    maintainer="Pallets",
    maintainer_email="contact@palletsprojects.com",
    description="A very fast and expressive template engine.",
    long_description=readme,
    classifiers=[
        "Development Status
:: 5 - Production/Stable",
        "Environment :: Web Environment",
        "Intended Audience :: Developers",
        "License :: OSI Approved :: BSD License",
        "Operating System :: OS Independent",
        "Programming Language :: Python",
        "Programming Language :: Python :: 2",
        "Programming Language :: Python :: 2.7",
        "Programming Language :: Python :: 3",
        "Programming Language :: Python :: 3.5",
        "Programming Language :: Python :: 3.6",
        "Programming Language :: Python :: 3.7",
```

```

"Programming Language :: Python :: 3.8",
"Programming Language :: Python :: Implementation :: CPython",
"Programming Language :: Python :: Implementation :: PyPy",
"Topic :: Internet :: WWW/HTTP :: Dynamic Content",
"Topic :: Software Development :: Libraries :: Python Modules",
"Topic :: Text Processing :: Markup :: HTML",
],
packages=find_packages("src"),
package_dir={"": "src"},
include_package_data=True,
python_requires=">=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*, !=3.4.*",
install_requires=["MarkupSafe>=0.23"],
extras_require={"i18n": ["Babel>=0.8"]},
entry_points={"babel.extractors": ["jinja2 = jinja2.ext.babel_extract[i18n]"]},
)

```

Found in path(s):

\* /opt/cola/permits/1160880513\_1620412497.03/0/jinja2-2-11-2-1-tar-gz/Jinja2-2.11.2/setup.py

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Metadata-Version: 2.1

Name: Jinja2

Version: 2.11.2

Summary: A very fast and expressive template engine.

Home-page: <https://palletsprojects.com/p/jinja/>

Author: Armin Ronacher

Author-email: [armin.ronacher@active-4.com](mailto:armin.ronacher@active-4.com)

Maintainer: Pallets

Maintainer-email: [contact@palletsprojects.com](mailto:contact@palletsprojects.com)

License: BSD-3-Clause

Project-URL: Documentation, <https://jinja.palletsprojects.com/>

Project-URL: Code, <https://github.com/pallets/jinja>

Project-URL: Issue tracker, <https://github.com/pallets/jinja/issues>

Description: Jinja

=====

Jinja is a fast, expressive, extensible templating engine. Special placeholders in the template allow writing code similar to Python syntax. Then the template is passed data to render the final document.

It includes:

- Template inheritance and inclusion.
- Define and import macros within templates.
- HTML templates can

use autoescaping to prevent XSS from untrusted user input.

- A sandboxed environment can safely render untrusted templates.
- AsyncIO support for generating templates and calling async functions.
- I18N support with Babel.
- Templates are compiled to optimized Python code just-in-time and cached, or can be compiled ahead-of-time.
- Exceptions point to the correct line in templates to make debugging easier.
- Extensible filters, tests, functions, and even syntax.

Jinja's philosophy is that while application logic belongs in Python if possible, it shouldn't make the template designer's job difficult by restricting functionality too much.

## Installing

-----

Install and update using `pip`\_:

.. code-block:: text

```
$ pip install -U Jinja2
```

.. \_pip:

<https://pip.pypa.io/en/stable/quickstart/>

## In A Nutshell

-----

.. code-block:: jinja

```
{% extends "base.html" % }
{% block title % }Members{% endblock % }
{% block content % }
<ul>
  {% for user in users % }
    <li><a href="{{ user.url }}">{{ user.username }}</a></li>
  {% endfor % }
</ul>
{% endblock % }
```

## Links

-----

- Website: <https://palletsprojects.com/p/jinja/>
- Documentation: <https://jinja.palletsprojects.com/>
- Releases: <https://pypi.org/project/Jinja2/>
- Code: <https://github.com/pallets/jinja>
- Issue tracker: <https://github.com/pallets/jinja/issues>
- Test status: [https://dev.azure.com/pallets/jinja/\\_build](https://dev.azure.com/pallets/jinja/_build)
- Official chat: <https://discord.gg/t6rrQZH>

Platform: UNKNOWN

Classifier: Development

Status :: 5 - Production/Stable

Classifier: Environment :: Web Environment

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: BSD License

Classifier: Operating System :: OS Independent

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: 2  
Classifier: Programming Language :: Python :: 2.7  
Classifier: Programming Language :: Python :: 3  
Classifier: Programming Language :: Python :: 3.5  
Classifier: Programming Language :: Python :: 3.6  
Classifier: Programming Language :: Python :: 3.7  
Classifier: Programming Language :: Python :: 3.8  
Classifier: Programming Language :: Python :: Implementation :: CPython  
Classifier: Programming Language :: Python :: Implementation :: PyPy  
Classifier: Topic :: Internet :: WWW/HTTP :: Dynamic Content  
Classifier: Topic :: Software Development :: Libraries :: Python Modules  
Classifier: Topic :: Text Processing :: Markup :: HTML  
Requires-Python: >=2.7, !=3.0.\*, !=3.1.\*, !=3.2.\*, !=3.3.\*, !=3.4.\*  
Description-Content-Type:  
text/x-rst  
Provides-Extra: i18n

Found in path(s):

\* /opt/cola/permits/1160880513\_1620412497.03/0/jinja2-2-11-2-1-tar-gz/Jinja2-2.11.2/PKG-INFO  
\* /opt/cola/permits/1160880513\_1620412497.03/0/jinja2-2-11-2-1-tar-gz/Jinja2-2.11.2/src/Jinja2.egg-info/PKG-INFO

# 1.155 pyopenssl 19.1.0

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license='Cisco Proprietary',

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\* /opt/cola/permits/1169156025\_1656537926.7187464/0/64c45240b9f81012466f585a1f857d39016ea456-pnp-3-0-0-dev2-tar-gz/pnp-3.0.0.dev2/setup.py

No license file was found, but licenses were detected in source scan.

[bdist\_rpm]

release = 1

packager = Network Plug-n-Play <pnp-dev@cisco.com>

doc\_files = README.rst

no-autoreq = 1

post-install = pnp/data/cfg/post\_install\_rpm.sh

rpm-base = ./rpmbuild

binary-only = 1

description = Plug-n-Play Agent for Cisco Network-PnP

keep-temp = 1

[egg\_info]

tag\_build =

tag\_date = 0

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No license file was found, but licenses were detected in source scan.

# All rights reserved.

Found in path(s):

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\* /opt/cola/permits/1169156025\_1656537926.7187464/0/64c45240b9f81012466f585a1f857d39016ea456-pnp-3-0-0-dev2-tar-gz/pnp-3.0.0.dev2/pnp/infra/system/reload.py

\* /opt/cola/permits/1169156025\_1656537926.7187464/0/64c45240b9f81012466f585a1f857d39016ea456-pnp-3-0-0-dev2-tar-gz/pnp-3.0.0.dev2/pnp/infra/api/wlc.py

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No license file was found, but licenses were detected in source scan.
```

Metadata-Version: 1.2

Name: pnp

Version: 3.0.0.dev2

Summary: Plug-n-Play Agent for Cisco Network-PnP

Home-page: <https://developer.cisco.com/site/open-plug-n-play/>

Author: Network Plug-n-Play

Author-email: [pnp-support@cisco.com](mailto:pnp-support@cisco.com)

License: Cisco Proprietary

Description: UNKNOWN

Keywords: posix pnp agent plug-n-play client

Platform: UNKNOWN

Classifier: Operating System :: POSIX :: Linux

Classifier: Programming Language :: Python :: 3.6

Requires-Python: >=3.6

Found in path(s):

```
* /opt/cola/permits/1169156025_1656537926.7187464/0/64c45240b9f81012466f585a1f857d39016ea456-pnp-3-0-0-dev2-tar-gz/pnp-3.0.0.dev2/pnp.egg-info/PKG-INFO
* /opt/cola/permits/1169156025_1656537926.7187464/0/64c45240b9f81012466f585a1f857d39016ea456-pnp-3-0-0-dev2-tar-gz/pnp-3.0.0.dev2/PKG-INFO
```

# 1.160 configargparse 1.2.3

## 1.160.1 Available under license :

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# 1.161 bcrypt 3.2.0-1.ph4

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Version 2.0, January 2004

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## 1.162 pyrsistent 0.17.3-2.ph4

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## 1.163 decorator 4.4.2-1.ph4

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# notice, this list of conditions and the following disclaimer.  
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# the documentation and/or other materials provided with the
```

Found in path(s):

```
* /opt/cola/permits/1175342946_1644319359.09/0/python2-decorator-4-4-2-1-any-pkg-tar-xz/usr/lib/python2.7/site-packages/decorator.py
```

No license file was found, but licenses were detected in source scan.

Metadata-Version: 1.2

Name: decorator

Version: 4.4.2

Summary: Decorators for Humans

Home-page: <https://github.com/micheles/decorator>

Author: Michele Simionato

Author-email: [michele.simionato@gmail.com](mailto:michele.simionato@gmail.com)

License: new BSD License

Description: Decorators for Humans

=====

The goal of the decorator module is to make it easy to define signature-preserving function decorators and decorator factories. It also includes an implementation of multiple dispatch and other niceties (please check the docs). It is released under a two-clauses BSD license, i.e. basically you can do whatever you want with it but I am not responsible.

#### Installation

-----

If you are lazy, just perform

```
``$ pip install decorator``
```

which will install just the module on your system.

If you prefer to install the full distribution from source, including the documentation, clone the `GitHub repo`\_ or download the tarball\_, unpack it and run

```
``$ pip install .``
```

in the main directory, possibly as superuser.

.. \_tarball: <https://pypi.org/project/decorator/#files>

.. \_GitHub repo: <https://github.com/micheles/decorator>

#### Testing

-----

If you have the source code installation you can run the tests with

```
``$ python src/tests/test.py -v``
```

or (if you have setuptools installed)

```
``$ python setup.py test``
```

Notice that you may run into trouble if in your system there is an older version of the decorator module; in such a case remove the old version. It is safe even to copy the module `decorator.py` over

an existing one, since we kept backward-compatibility for a long time.

## Repository

-----

The project is hosted on GitHub. You can look at the source here:

<https://github.com/micheles/decorator>

## Documentation

-----

The documentation has been moved to

<https://github.com/micheles/decorator/blob/master/docs/documentation.md>

From there you can get a PDF version by simply using the print functionality of your browser.

Here is the documentation for previous versions of the module:

<https://github.com/micheles/decorator/blob/4.3.2/docs/tests.documentation.rst>

<https://github.com/micheles/decorator/blob/4.2.1/docs/tests.documentation.rst>

<https://github.com/micheles/decorator/blob/4.1.2/docs/tests.documentation.rst>

<https://github.com/micheles/decorator/blob/4.0.0/documentation.rst>

<https://github.com/micheles/decorator/blob/3.4.2/documentation.rst>

For the  
impatient

-----

Here is an example of how to define a family of decorators tracing slow operations:

```
.. code-block:: python
```

```
from decorator import decorator

@decorator
def warn_slow(func, timelimit=60, *args, **kw):
    t0 = time.time()
    result = func(*args, **kw)
    dt = time.time() - t0
    if dt > timelimit:
        logging.warn('%s took %d seconds', func.__name__, dt)
    else:
        logging.info('%s took %d seconds', func.__name__, dt)
    return result
```



```
@warn_slow # warn if it takes more than 1 minute
def preprocess_input_files(inputdir, tempdir):
    ...

@warn_slow(timelimit=600) # warn if it takes more than 10 minutes
def run_calculation(tempdir, outdir):
    ...
```

Enjoy!

Keywords: decorators generic utility  
Platform: All  
Classifier: Development Status :: 5 - Production/Stable  
Classifier: Intended Audience :: Developers  
Classifier: License :: OSI Approved :: BSD License  
Classifier: Natural Language :: English  
Classifier: Operating System :: OS Independent  
Classifier: Programming Language :: Python  
Classifier: Programming Language :: Python :: 2  
Classifier: Programming Language :: Python :: 2.6  
Classifier: Programming Language :: Python :: 2.7  
Classifier: Programming Language :: Python :: 3  
Classifier: Programming Language :: Python :: 3.2  
Classifier: Programming Language :: Python :: 3.3  
Classifier: Programming Language :: Python :: 3.4  
Classifier: Programming Language :: Python :: 3.5  
Classifier: Programming Language :: Python :: 3.6  
Classifier: Programming Language :: Python :: 3.7  
Classifier: Programming Language :: Python :: Implementation :: CPython  
Classifier: Topic :: Software Development :: Libraries  
Classifier: Topic :: Utilities  
Requires-Python:  
>=2.6, !=3.0.\*, !=3.1.\*

Found in path(s):

\* /opt/cola/permits/1175342946\_1644319359.09/0/python2-decorator-4-4-2-1-any-pkg-tar-xz/usr/lib/python2.7/site-packages/decorator-4.4.2-py2.7.egg-info/PKG-INFO

# 1.164 pyasn1 0.4.8-1.ph4

## 1.164.1 Available under license :

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ASN.1 library for Python

=====

```
.. toctree::
    :maxdepth: 1
```

Abstract Syntax Notation One (ASN.1

[http://en.wikipedia.org/wiki/Abstract\\_Syntax\\_Notation\\_1x](http://en.wikipedia.org/wiki/Abstract_Syntax_Notation_1x)) is a technology for exchanging structured data in a universally understood, hardware agnostic way. Many industrial, security and telephony applications heavily rely on ASN.1.

The `pyasn1` <https://pypi.org/project/pyasn1/> library implements ASN.1 support in pure-Python.

What is ASN.1

-----

ASN.1 is a large, arguably over-engineered and extremely old data modelling and serialisation tool. It is probably among the first serialisation protocols in the history of computer science and technology.

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first electronic mail (known as X.400). Later on it was split off the e-mail application and become a stand-alone tech still being actively supported by its designers and widely used in industry and technology.

Since then ASN.1 is sort of haunted by its relations with the OSI model -- the first, unsuccessful, version of the Internet. You can read many interesting [discussions https://news.ycombinator.com/item?id=8871453](https://news.ycombinator.com/item?id=8871453) on that topic.

In the following years, generations of software engineers tackled the serialisation problem many times. We can see that in Google's `ProtoBuffers` <https://developers.google.com/protocol-buffers/> or `FlatBuffers` <https://google.github.io/flatbuffers/>, for example. Interestingly, many new takes on binary protocol design do not depart far from ASN.1 from technical perspective. It's more of a matter of striking a balance between processing overhead, wire format overhead and human readability.

Looking at what ASN.1 has to offer, it has three loosely coupled parts:

- \* Data types: the standard introduces a collection of basic data types (integers, bits, strings, arrays and records) that can be used for describing arbitrarily complex, nested data structures.
- \* Serialisation protocols: the above data structures could be converted into a series of octets for storage or transmission over the wire as well as recovered back into their structured form. The system is fully agnostic to hardware architectures differences.

\* Schema language: ASN.1 data structures could be described in terms of a schema language for ASN.1 compiler to turn it into platform-specific implementation.

#### ASN.1 applications

-----

Being an old and generally successful standard, ASN.1 is widely adopted for many uses. To give you an example, these technologies use ASN.1 for their data exchange needs:

- \* Signaling standards for the public switched telephone network (SS7 family)
- \* Network management standards (SNMP, CMIP)
- \* Directory standards (X.500 family, LDAP)
- \* Public Key Infrastructure standards (X.509, etc.)
- \* PBX control (CSTA)
- \* IP-based Videoconferencing (H.323 family)
- \* Biometrics (BIP, CBEFF, ACBio)
- \* Intelligent transportation (SAE J2735)
- \* Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)

#### ASN.1 gotchas

-----

Apparently, ASN.1 is hard to implement properly. Quality open-source ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the `statistics <http://cve.mitre.org/cgi-bin/cvekey.cgi?keyword=ASN.1>` on discovered security vulnerabilities, many people have implemented ASN.1 parsers and oftentimes fell victim to its edge cases.

On the bright side, ASN.1 has been around for a long time, it is well understood and security reviewed.

#### Documentation

-----

```
.. toctree::
   :maxdepth: 2

   /pyasn1/contents
```

#### Use case

-----

```
.. toctree::
   :maxdepth: 2
```

/example-use-case

## Download & Install

-----

```
.. toctree::  
  :maxdepth: 2
```

/download

## Changes

-----

All changes and release history is maintained in changelog. There you could also download the latest unreleased pyasn1 tarball containing the latest fixes and improvements.

```
..  
toctree::  
  :maxdepth: 1
```

/changelog

## License

-----

The PyASN1 software is distributed under 2-clause BSD License.

```
.. toctree::  
  :maxdepth: 2
```

/license

## Getting help

-----

Please, file your `issues` <<https://github.com/etingof/pyasn1/issues>>`\_` and `PRs` <<https://github.com/etingof/pyasn1/pulls>>`\_` at GitHub. Alternatively, you could ask for help at `Stack Overflow` <<http://stackoverflow.com/questions/tagged/pyasn1>>`\_` or search `pyasn1-users` <<https://lists.sourceforge.net/lists/listinfo/pyasn1-users>>`\_` mailing list archive.

## Books on ASN.1

-----

The pyasn1 implementation is largely based on reading up the following awesome books:

- \* `ASN.1 - Communication between heterogeneous systems <<http://www.oss.com/asn1/dubuisson.html>>` by Olivier Dubuisson
- \* `ASN.1 Complete <<http://www.oss.com/asn1/resources/books-whitepapers-pubs/larmouth-asn1-book.pdf>>` by Prof John Larmouth

Here you can get the official standards which is hard to read:

- \* `ITU standards <<http://www.itu.int/ITU-T/studygroups/com17/languages/X.680-X.693-0207w.zip>>`

On the other end of the readability spectrum, here is a quick and sweet write up:

- \* `A Layman's Guide to a Subset of ASN.1, BER, and DER <[ftp://ftp.rsasecurity.com/pub/pkcs/ascii/layman.asc](http://ftp.rsasecurity.com/pub/pkcs/ascii/layman.asc)>` by Burton S. Kaliski

If you are working with ASN.1, we'd highly recommend reading a proper book on the subject.

Found in path(s):

- \* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/docs/source/contents.rst
- No license file was found, but licenses were detected in source scan.

# License: <http://snmplabs.com/pyasn1/license.html>

Found in path(s):

- \* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/codec/cer/test\_decoder.py
- \* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/compat/calling.py
- \* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/codec/ber/\_\_main\_\_.py
- \* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/codec/cer/decoder.py
- \* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/type/namedval.py
- \* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/type/test\_char.py
- \* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/type/univ.py
- \* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/codec/ber/decoder.py
- \* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/type/test\_opentype.py
- \*
- /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/codec/native/test\_decoder.py
- \* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/compat/octets.py
- \* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/type/char.py
- \* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/compat/dateandtime.py
- \* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/compat/test\_octets.py
- \* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/codec/\_\_main\_\_.py
- \* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/type/test\_useful.py
- \* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/type/base.py
- \* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/codec/der/encoder.py
- \* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/test\_debug.py

```

*
/opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/codec/cer/__main__.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/type/test_tag.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/codec/native/__main__.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/codec/der/decoder.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/codec/ber/encoder.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/base.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/codec/der/test_encoder.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/codec/der/__main__.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/codec/cer/test_encoder.py
*
/opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/compat/test_integer.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/compat/integer.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/type/namedtype.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/codec/native/encoder.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/codec/ber/test_decoder.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/compat/test_binary.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/debug.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/codec/ber/eoo.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/codec/native/decoder.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/type/tag.py
*
/opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/type/error.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/type/test_namedtype.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/compat/binary.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/codec/ber/test_encoder.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/error.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/type/constraint.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/compat/string.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/type/test_namedval.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-
0.4.8/tests/codec/native/test_encoder.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/type/test_constraint.py
*
/opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/codec/cer/encoder.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/__main__.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/type/tagmap.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/setup.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/type/test_univ.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/type/opentype.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/codec/der/test_decoder.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/compat/__main__.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/tests/type/__main__.py
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/pyasn1/type/useful.py
No license file was found, but licenses were detected in source scan.

```

```
.. _license:
```

## License

=====

```
.. include:: ../../LICENSE.rst
```

Found in path(s):

```
* /opt/cola/permits/1175352056_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/docs/source/license.rst
```

No license file was found, but licenses were detected in source scan.

## ASN.1 library for Python

-----

```
[![PyPI](https://img.shields.io/pypi/v/pyasn1.svg?maxAge=2592000)](https://pypi.org/project/pyasn1)
[![Python Versions](https://img.shields.io/pypi/pyversions/pyasn1.svg)](https://pypi.org/project/pyasn1/)
[![Build status](https://travis-ci.org/etingof/pyasn1.svg?branch=master)](https://secure.travis-ci.org/etingof/pyasn1)
[![Coverage
Status](https://img.shields.io/codecov/c/github/etingof/pyasn1.svg)](https://codecov.io/github/etingof/pyasn1)
[![GitHub license](https://img.shields.io/badge/license-BSD-
blue.svg)](https://raw.githubusercontent.com/etingof/pyasn1/master/LICENSE.txt)
```

This is a free and open source implementation of ASN.1 types and codecs as a Python package. It has been first written to support particular protocol (SNMP) but then generalized to be suitable for a wide range of protocols based on

[ASN.1 specification](https://www.itu.int/rec/dologin\_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

## Features

-----

\*

- Generic implementation of ASN.1 types (X.208)
- \* Standards compliant BER/CER/DER codecs
- \* Dumps/loads ASN.1 structures from Python types
- \* 100% Python, works with Python 2.4 up to Python 3.7
- \* MT-safe
- \* Contributed ASN.1 compiler [AsnLate](https://github.com/kimgr/asn1ate)

## Why using pyasn1

-----

ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats

still rely on the 30+ years old technology. Including a number of high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1.

[Communication between heterogeneous systems](<http://www.oss.com/asn1/dubuisson.html>)

by

Olivier Dubuisson is one of those high quality books freely available on the Internet.

The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python prompt. The tool struggles to capture all aspects of a rather complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1

-----

With pyasn1 you can build Python objects from ASN.1 data structures. For example, the following ASN.1 data structure:

```
```bash
Record ::= SEQUENCE {
  id    INTEGER,
  room  [0] INTEGER OPTIONAL,
  house [1] INTEGER DEFAULT 0
}
```
```

Could be expressed in pyasn1 like this:

```
```python
class Record(Sequence):
    componentType = NamedTypes(
        NamedType('id', Integer()),
        OptionalNamedType(
            'room', Integer().subtype(
                implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
            )
        ),
        DefaultedNamedType(
            'house',
            Integer(0).subtype(
                implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
            )
        )
    )
```
```



It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form. Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 `SET` is similar to Python `dict`, `SET OF` to `list`):

```
```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
>>>
```
```

Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.

```
```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000: 30 07 02 01 7B 80 02 01 41
```
```

Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can introspect, modify, encode and send back.

```
```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>
>>> for field in received_record:
>>>     print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0
>>>
>>> record == received_record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
```
```

...

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int, list, dict etc.). But ASN.1 types exhibit more complicated behaviour. To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:

```
```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```
```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```
```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id':
123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
>>>
```
```

With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the [documentation](<http://snmplabs.com/pyasn1/>), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](<https://github.com/etingof/pyasn1-modules>).

How to get pyasn1

-----

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](<http://snmplabs.com/pyasn1/license.html>). Source code is freely available as a GitHub [repo](<https://github.com/etingof/pyasn1>).

You could `pip install pyasn1` or download it from [PyPI](<https://pypi.org/project/pyasn1>).

If

something does not work as expected,

[open an issue](<https://github.com/etingof/pyasn1/issues>) at GitHub or

post your question [on Stack Overflow](<https://stackoverflow.com/questions/ask>)

or try browsing pyasn1

[mailing list archives](<https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/>).

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Found in path(s):

\* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/README.md

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\* /opt/cola/permits/1175352056\_1624454259.22/0/pyasn1-0-4-8-zip/pyasn1-0.4.8/LICENSE.rst

## 1.165 ndg-httpsclient 0.5.1-4.ph4

## 1.165.1 Available under license :

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## 1.166 python3-asn1crypto 1.4.0-1.ph4

### 1.166.1 Available under license :

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# 1.167 pycparser 2.20-1.ph4

## 1.167.1 Available under license :

pycparser -- A C parser in Python

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PLY (Python Lex-Yacc)                      Version 3.10

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David M. Beazley (Dabeaz LLC)  
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More information about PLY can be obtained on the PLY webpage at:

<http://www.dabeaz.com/ply>

This is a list of people who have contributed to pycparser by supplying patches, opening issues, or generally helping out, before the project moved to Github.

For more recent contributions, check out the "Contributors" page of the pycparser Github project.

The list is sorted in increasing alphabetic order by first name.

- \* Andreas Klckner
- \* Andrew de los Reyes
- \* Benoit Pradelle
- \* Dov Feldstern
- \* Even Wiik Thomassen
- \* Greg Smith
- \* Jaroslav Franek
- \* Li Xuan Ji
- \* Mateusz Czaplinski
- \* Paolo Di Maio
- \* Rory Yorke
- \* Rubin
- \* Scott Tsai
- \* Sye van der Veen
- \* Thomas W. Barr

\* Tomer Segal

\* Weyllor

# 1.168 vcversioner 2.16.0.0-2.ph4

## 1.168.1 Available under license :

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Metadata-Version: 1.1

Name: vcversioner

Version: 2.16.0.0

Summary: Use version control tags to discover version numbers

Home-page: <https://github.com/habnabit/vcversioner>

Author: Aaron Gallagher

Author-email: [\\_@habnab.it](mailto: @_@habnab.it)

License: ISC

Description: .. image:: <https://travis-ci.org/habnabit/vcversioner.png>

```
=====  
vcversioner  
=====
```

`Elevator pitch`\_: you can write a ``setup.py`` with no version information specified, and vcversioner will find a recent, properly-formatted VCS tag and extract a version from it.

It's much more convenient to be able to use your version control system's tagging mechanism to derive a version number than to have to duplicate that information all over the place. I eventually ended up copy-pasting the same code into a couple different ``setup.py`` files just to avoid duplicating version information. But, copy-pasting is dumb and unit testing ``setup.py`` files is hard. This code got factored out into vcversioner.

Basic usage

-----

vcversioner installs itself as a setuptools hook, which makes its use exceedingly simple::

```
from setuptools import setup  
  
setup(  
    # [...]  
    setup_requires=['vcversioner'],  
    vcversioner={},  
)
```

The presence of a `vcversioner` argument automatically activates `vcversioner` and updates the project's version. The parameter to the `vcversioner` argument can also be a dict of keyword arguments which `|find_version|` will be called with.

To allow tarballs to be distributed without requiring a `.git` (or `.hg`, etc.) directory, `vcversioner` will also write out a file named (by default) `version.txt`. Then,

if there is no VCS program or the program is unable to find any version information, `vcversioner` will read version information from the `version.txt` file. However, this file needs to be included in a distributed tarball, so the following line should be added to `MANIFEST.in`:

```
include version.txt
```

This isn't necessary if `setup.py` will always be run from a checkout, but otherwise is essential for `vcversioner` to know what version to use.

The name `version.txt` also can be changed by specifying the `version_file` parameter. For example::

```
from setuptools import setup

setup(
    # [...]
    setup_requires=['vcversioner'],
    vcversioner={
        'version_file': 'custom_version.txt',
    },
)
```

For compatibility with `semantic versioning`, `vcversioner` will strip

leading `v`s from version tags. That is, the tag `v1.0` will be treated as if it was `1.0`.

Other prefixes can be specified to be stripped by using the `strip_prefix` argument to `vcversioner`. For compatibility with `git-dch`, one could specify the `strip_prefix` as `'debian/'`.

Non-hook usage

-----

It's not necessary to depend on `vcversioner`; while `pip` will take care of dependencies automatically, sometimes having a self-contained project is simpler. `vcversioner` is a single file which is easy to add to a project. Simply



copy the entire ``vcversioner.py`` file adjacent to the existing ``setup.py`` file and update the usage slightly::

```
from setuptools import setup
import vcversioner

setup(
    # [...]
    version=vcversioner.find_version().version,
)
```

This is necessary because the ``vcversioner`` distutils hook won't be available.

#### Version modules

-----

``setup.py`` isn't the only place that version information gets duplicated. By generating a version module, the ``\_\_init\_\_.py`` file of a package can import version information. For example, with a package named ``spam``::

```
from setuptools import setup

setup(
    # [...]
    setup_requires=['vcversioner'],
    vcversioner={
        'version_module_paths': ['spam/_version.py'],
    },
)
```

This will generate a ``spam/\_version.py`` file that defines ``\_\_version\_\_`` and ``\_\_revision\_\_``. Then, in ``spam/\_\_init\_\_.py``::

```
from spam._version import __version__, __revision__
```

Since this acts like (and *is*\*) a regular python module, changing

``MANIFEST.in`` is not required.

#### Customizing VCS commands

-----

vcversioner by default tries to detect which VCS is being used and picks a command to run based on that. For git, that is ``git --git-dir %(root)s/.git

```
describe --tags --long`. For hg, that is ``hg log -R %(root)s -r . --template
'{latesttag}-{latesttagdistance}-hg{node|short}``.
```

Any command should output a string that describes the current commit in the format ``1.0-0-gdeadbeef``. Specifically, that is ``<version number>-<number of commits between the current commit and the version tagged commit>-<revision>``. The revision should have a VCS-specific prefix, e.g. ``g`` for git and ``hg`` for hg.

However, sometimes this isn't sufficient. If someone wanted to only use annotated tags, the git command could be amended like so::

```
from setuptools
import setup

setup(
    # [...]
    setup_requires=['vcversioner'],
    vcversioner={
        'vcs_args': ['git', 'describe', '--long'],
    },
)
```

The ``vcs\_args`` parameter must always be a list of strings, which will not be interpreted by the shell. This is the same as what ``subprocess.Popen`` expects.

This argument used to be spelled ``git\_args`` until support for multiple VCS systems was added.

#### Development versions

-----

vcversioner can also automatically make a version that corresponds to a commit that isn't itself tagged. Following `PEP 386`, this is done by adding a ``.post`` suffix to the version specified by a tag on an earlier commit. For example, if the current commit is three revisions past the ``1.0`` tag, the computed version will be ``1.0.post3``.

This behavior can be disabled by setting the ``include\_dev\_version`` parameter to ``False``. In that case, the aforementioned untagged commit's version would be just ``1.0``.

Since hg requires a commit to make a tag, there's a parameter ``decrement\_dev\_version`` to subtract one from the number of commits after the most recent tag. If the VCS used is detected to be hg (i.e. the revision starts with ``hg``) and ``decrement\_dev\_version`` is not specified as ``False``,

`decrement_dev_version` will be automatically set to `True`.

## Project roots

-----

In order to prevent contamination from other source repositories, `vcversioner` in the 1.x version series will only look in the project root directory for repositories. The project root defaults to the current working directory, which is often the case when running `setup.py`.

This can be changed by specifying the

`root` parameter. Someone concerned with being able to run `setup.py` from directories other than the directory containing `setup.py` should determine the project root from `__file__` in `setup.py`:

```
from setuptools import setup
import os

setup(
    # [...]
    setup_requires=['vcversioner'],
    vcversioner={
        'root': os.path.dirname(os.path.abspath(__file__)),
    },
)
```

To get the same behavior in the 0.x version series, `vcs_args` can be set to include the `--git-dir` flag:

```
from setuptools import setup

setup(
    # [...]
    setup_requires=['vcversioner'],
    vcversioner={
        vcs_args=['git', '--git-dir', '%(root)s/.git', 'describe',
                 '--tags', '--long'],
    },
)
```

By default, `version.txt` is also read from the project root.

## Substitutions

~~~~~

As seen above, `*root*`, `*version_file*`, and `*vcs_args*` each support some

substitutions:

```
``%(root)s``
```

The value provided for `*root*`. This is not available for the `*root*` parameter itself.

```
``%(pwd)s``
```

The current working directory.

```/``` will automatically be translated into the correct path separator for the current platform, such as ```:``` or ```\```.

Sphinx documentation

-----

```Sphinx``` documentation is yet another place where version numbers get duplicated. Fortunately, since sphinx configuration is python code, `vcversioner` can be used there too. Assuming `vcversioner` is installed system-wide, this is quite easy. Since Sphinx is typically run with the current working directory as

```<your project root>/docs```, it's necessary to tell `vcversioner` where the project root is. Simply change your ```conf.py``` to include::

```
import vcversioner
version = release = vcversioner.find_version(root='.').version
```

This assumes that your project root is the parent directory of the current working directory. A slightly longer version which is a little more robust would be::

```
import vcversioner, os
version = release = vcversioner.find_version(
    root=os.path.dirname(os.path.dirname(os.path.abspath(__file__))))).version
```

This version is more robust because it finds the project root not relative to the current working directory but instead relative to the ```conf.py``` file.

If `vcversioner` is bundled with your project instead of relying on it being installed, you might have to add the following to your ```conf.py``` before

```
``import vcversioner``::
```

```
import sys, os
sys.path.insert(0, os.path.abspath('.'))
```

This line, or something with the same effect, is sometimes already present when using the sphinx ```autodoc``` extension.

## Read the Docs

~~~~~

Using `vcversioner` is even possible when building documentation on `Read the Docs`. If `vcversioner` is bundled with your project, nothing further needs to be done. Otherwise, you need to tell Read the Docs to install `vcversioner` before it builds the documentation. This means using a `requirements.txt` file.

If your project is already set up to install dependencies with a `requirements.txt` file, add `vcversioner` to it. Otherwise, create a `requirements.txt` file. Assuming your documentation is in a `docs` subdirectory of the main project directory, create `docs/requirements.txt` containing a `vcversioner` line.

Then, make the following changes to your project's configuration: (Project configuration is edited at e.g.

<https://readthedocs.org/dashboard/vcversioner/edit/>)

- Check the checkbox under `Use virtualenv`.
- If there was no `requirements.txt` previously, set the `Requirements file` to the newly-created one, e.g. `docs/requirements.txt`.

```
.. _Elevator pitch: http://en.wikipedia.org/wiki/Elevator\_pitch
.. _pip: https://pypi.python.org/pypi/pip
.. _PEP 386: http://www.python.org/dev/peps/pep-0386/
.. _Sphinx: http://sphinx-doc.org
.. _Read the Docs: https://readthedocs.org/
.. _semantic versioning: http://semver.org/

.. |find_version| replace:: find_version
```

Platform: UNKNOWN

Classifier: Development Status :: 3 - Alpha

Classifier:

Intended Audience :: Developers

Classifier: License :: OSI Approved :: ISC License (ISCL)

Classifier: Operating System :: OS Independent

Classifier: Programming Language :: Python :: 2

Classifier: Programming Language :: Python :: 2.6

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3

Classifier: Programming Language :: Python :: 3.3

Classifier: Programming Language :: Python :: 3.4

Classifier: Programming Language :: Python :: 3.5  
Classifier: Topic :: Software Development :: Version Control

Found in path(s):

\* /opt/cola/permits/1175617864\_1626889955.84/0/vcversioner-2-16-0-0-1-tar-gz/vcversioner-2.16.0.0/vcversioner.egg-info/PKG-INFO

\* /opt/cola/permits/1175617864\_1626889955.84/0/vcversioner-2-16-0-0-1-tar-gz/vcversioner-2.16.0.0/PKG-INFO

No license file was found, but licenses were detected in source scan.

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Found in path(s):

\* /opt/cola/permits/1175617864\_1626889955.84/0/vcversioner-2-16-0-0-1-tar-gz/vcversioner-2.16.0.0/vcversioner.py

# 1.169 paramiko 2.7.2-1.ph4

## 1.169.1 Available under license :

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Version 2.1, February 1999

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Any

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## 1.170 cffi 1.14.3-2.ph4

### 1.170.1 Available under license :

#### A. HISTORY OF THE SOFTWARE

=====

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  |            |                     |
| PSF            | yes          |           |            |                     |

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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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# 1.171 simplejson 3.17.2-1.ph4

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to

BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  |            |                     |
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# 1.172 mtd-utils 2.1.2

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## 1.173 pluggy 0.13.1-1.ph4

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Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
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## 1.175 six 1.15.0-3.ph4

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## 1.176 procps 3.3.15

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## 1.177 pam 1.3.1-14.el8

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//http-parser

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## 1.179 shadow 4.8.1

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Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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# 1.181 flask-socketio 4.3.1

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# 1.182 gobject-introspection 1.64.1

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Version 2, June 1991

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the

users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must

be optional: if the application does not supply it, the square

root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In

addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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## 1.183 util-linux 2.36

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```
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```
WEV @@ WEV[B "1
```

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# 1.184 btrfsutil 1.2.0

## 1.184.1 Available under license :

### A. HISTORY OF THE SOFTWARE

=====

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |



|               |           |          |     |     |
|---------------|-----------|----------|-----|-----|
| 2.1.1         | 2.1+2.0.1 | 2001     | PSF | yes |
| 2.1.2         | 2.1.1     | 2002     | PSF | yes |
| 2.1.3         | 2.1.2     | 2002     | PSF | yes |
| 2.2 and above | 2.1.1     | 2001-now | PSF | yes |

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Gnomovision version 69, Copyright (C) year name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

The hypothetical commands

```
`show w' and `show c' should show the appropriate  
parts of the General Public License. Of course, the commands you use may  
be called something other than `show w' and `show c'; they could even be  
mouse-clicks or menu items--whatever suits your program.
```

You should also get your employer (if you work as a programmer) or your  
school, if any, to sign a "copyright disclaimer" for the program, if  
necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program  
'Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
```

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(This file is under construction.) -\*- text -\*-

If you've contributed to gas and your name isn't listed here, it is  
not meant as a slight. I just don't know about it. Email me,  
nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into

the documentation, and info on specific files will go into an AUTHORS file, as requested by the FSF.

+++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith

Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format

(obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves,

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any

executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the

user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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Version 2, June 1991

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License

treats it as such.

Because

of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or

table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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```
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Ty Coon, President of Vice
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## 1.186 backports-functools-lru-cache 1.6.1

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@subheading END OF TERMS AND CONDITIONS

@page

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```

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`Frob' (a library for tweaking knobs) written by James Random Hacker.
```

```
@var{signature of Ty Coon}, 1 April 1990
```

```
Ty Coon, President of Vice
```

```
@end smallexample
```

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and a brief idea of what it does.}

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
@end smallexample
```

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```
@example
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
@end example
```

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<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"

xmlns:xsl="http://www.w3.org/1999/XSL/Transform"

xmlns:xi="http://www.w3.org/2001/XInclude"

xmlns:db="http://docbook.org/ns/docbook">

<xsl:template name="isc.copyright.format">

<xsl:param name="text"/>

<xsl:value-of select="\$isc.copyright.leader"/>

<xsl:value-of select="normalize-space(substring-before(\$text, '&#10;'))"/>

<xsl:text>&#10;</xsl:text>

<xsl:variable name="rest" select="substring-after(\$text, '&#10;')"/>

<xsl:if test="translate(\$rest, '&#9;&#32;', '')">

<xsl:call-template name="isc.copyright.format">

<xsl:with-param name="text" select="\$rest"/>

</xsl:call-template>

</xsl:if>

</xsl:template>

<xsl:variable name="isc.copyright.text">

<xsl:text>

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```
</xsl:text>
</xsl:variable>

<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
      <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
        <xsl:text>Copyright (C) </xsl:text>
        <xsl:call-template name="copyright.years">
          <xsl:with-param name="years" select="year"/>
        </xsl:call-template>
        <xsl:text> </xsl:text>
        <xsl:value-of select="holder"/>
        <xsl:value-of select="$isc.copyright.breakline"/>
        <xsl:text>&#10;</xsl:text>
      </xsl:for-each>
      <xsl:value-of
select="$isc.copyright.text"/>
    </xsl:with-param>
  </xsl:call-template>
</xsl:variable>
</xsl:stylesheet>
```

<!--

- Local variables:  
- mode: sgml  
- End:

-->

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## 1.189 setuptools-scm 4.1.2

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## 1.190 pytest 0.0.0

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```
from setuptools import setup
```

```
setup(  
    name='pygments_pytest',  
    description='A pygments lexer for pytest output.',  
    url='https://github.com/asottile/pygments-pytest',  
    version='0.0.0',  
    author='Anthony Sottile',  
    author_email='asottile@umich.edu',  
    classifiers=[  
        'License :: OSI Approved :: MIT License',  
        'Programming Language :: Python :: 2',  
        'Programming Language :: Python :: 2.7',  
        'Programming Language :: Python :: 3',  
        'Programming Language :: Python :: 3.6',  
        'Programming Language :: Python :: Implementation :: CPython',  
        'Programming Language :: Python :: Implementation :: PyPy',  
    ],  
    install_requires=['pygments'],  
    py_modules=['pygments_pytest'],  
    entry_points={'pygments.lexers': ['pytest=pygments_pytest:PytestLexer']},  
)
```

Found in path(s):

\* /opt/cola/permits/1161008168\_1636522430.12/0/pygments-pytest-0-0-0-tar-gz/pygments\_pytest-0.0.0/setup.py

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Metadata-Version: 1.1

Name: pygments\_pytest

Version: 0.0.0

Summary: A pygments lexer for pytest output.

Home-page: <https://github.com/asottile/pygments-pytest>

Author: Anthony Sottile

Author-email: [asottile@umich.edu](mailto:asottile@umich.edu)

License: UNKNOWN

Description: UNKNOWN

Platform: UNKNOWN

Classifier: License :: OSI Approved :: MIT License

Classifier: Programming Language :: Python :: 2

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3

Classifier: Programming Language :: Python :: 3.6

Classifier: Programming Language :: Python :: Implementation :: CPython

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\* /opt/cola/permits/1161008168\_1636522430.12/0/pygments-pytest-0-0-0-tar-gz/pygments\_pytest-0.0.0/PKG-INFO

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Metadata-Version: 1.1

Name: pygments-pytest

Version: 0.0.0

Summary: A pygments lexer for pytest output.

Home-page: <https://github.com/asottile/pygments-pytest>

Author: Anthony Sottile

Author-email: [asottile@umich.edu](mailto:asottile@umich.edu)

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Classifier: Programming Language :: Python :: 3.6

Classifier: Programming Language :: Python :: Implementation :: CPython

Classifier: Programming Language :: Python :: Implementation :: PyPy

Found in path(s):

\* /opt/cola/permits/1161008168\_1636522430.12/0/pygments-pytest-0-0-0-tar-gz/pygments\_pytest-

0.0.0/pygments\_pytest.egg-info/PKG-INFO

# 1.191 tdb 1.43

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## 1.199 protobuf 1.23.0

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## 1.203 sys-mountinfo 0.1.3

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# 1.206 containerd-console 1.0.0

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# 1.207 cilium-ebpf 0.0.0-20200702112145-1c8d4c9ef775

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Gocheck - A rich testing framework for Go

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Paul Borman <borman@google.com>

bmatsuo

shawnps

theory

jboverfelt

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goproperties - properties file decoder for Go

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package api

```
import (
```

```
    "io/ioutil"
```

```
    "strings"
```

```
    "time"
```

```
)
```

```
type License struct {
```

```
    // The unique identifier of the license
```

```
    LicenseID string `json:"license_id"`
```

```
    // The customer ID associated with the license
```

```
    CustomerID string `json:"customer_id"`
```

```
    // If set, an identifier that should be used to lock the license to a
```

```
    // particular site, cluster, etc.
```

```
    InstallationID string `json:"installation_id"`
```



```

// The time at which the license was issued
IssueTime time.Time `json:"issue_time"`

// The time at which the license starts being valid
StartTime time.Time `json:"start_time"`

// The time after which the license expires
ExpirationTime time.Time `json:"expiration_time"`

// The time at which the license ceases to function and can
// no longer be used in any capacity
TerminationTime time.Time `json:"termination_time"`

// The product the license is valid for
Product string `json:"product"`

// License Specific Flags
Flags map[string]interface{}
`json:"flags"`

// List of features enabled by the license
Features []string `json:"features"`
}

type LicenseReply struct {
    Valid bool
    License *License
    Warnings []string
}

func (op *Operator) LicenseGet(q *QueryOptions) (*LicenseReply, error) {
    var reply LicenseReply
    if _, err := op.c.query("/v1/operator/license", &reply, q); err != nil {
        return nil, err
    } else {
        return &reply, nil
    }
}

func (op *Operator) LicenseGetSigned(q *QueryOptions) (string, error) {
    r := op.c.NewRequest("GET", "/v1/operator/license")
    r.Params.Set("signed", "1")
    r.SetQueryOptions(q)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return "", err
    }
}

```

```

defer resp.Body.Close()

data, err := ioutil.ReadAll(resp.Body)
if err != nil {
    return "", err
}

return string(data), nil
}

// LicenseReset will reset the license to the builtin one if it is still valid.
// If the builtin license is invalid, the current license stays active.
func
(op *Operator) LicenseReset(opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("DELETE", "/v1/operator/license")
    r.setWriteOptions(opts)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()

    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }

    return &reply, nil
}

func (op *Operator) LicensePut(license string, opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("PUT", "/v1/operator/license")
    r.setWriteOptions(opts)
    r.body = strings.NewReader(license)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()

    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }

    return &reply, nil
}

```

```
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```

```
package spec
```

```
import (
    "encoding/json"
```

```
    "github.com/go-openapi/swag"
)
```

```
// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    LicenseProps
    VendorExtensible
}
```

```
// LicenseProps holds the properties of a License object
type LicenseProps struct {
    Name string `json:"name,omitempty"`
    URL string
    `json:"url,omitempty"`
}
```

```
// UnmarshalJSON hydrates License from json
func (l *License) UnmarshalJSON(data []byte) error {
    if err := json.Unmarshal(data, &l.LicenseProps); err != nil {
        return err
    }
    return json.Unmarshal(data, &l.VendorExtensible)
}
```

```
// MarshalJSON produces License as json
func (l License) MarshalJSON() ([]byte, error) {
    b1, err := json.Marshal(l.LicenseProps)
```

```
if err != nil {
    return nil, err
}
b2, err := json.Marshal(l VendorExtensible)
if err != nil {
    return nil, err
}
return swag.ConcatJSON(b1, b2), nil
}
```

Data model artifacts for Prometheus.

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\* [golang.org/x/mod/module](https://golang.org/x/mod/module) - <https://github.com/golang/mod>

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# update-license

This is a small tool that updates the license header for Uber's open source Golang files.

## Installation

```
...
go get go.uber.org/tools/update-license
...
```

## ## Usage

```
...
update-license go_files...
...
```

## ## Further Work

- \* Support more licenses by name (MIT, Apache 2.0, etc), file path, url (http GET)
- \* Support custom owner (not just "Uber Technologies, Inc.")
- \* Support more languages than go (cover go, java, js, py to start, along with LICENSE, LICENSE.txt)
- \* Talk about removing custom logic for header comments (ie `@generated`, `Code generated by`), it probably makes more sense just to put the license at the top
- \* Better detection support for existing licenses so they can be removed
- \* Verbose, dry run support

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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# 1.208 iniconfig 0.0.0

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization

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All

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|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
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| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  |            |                     |
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The hypothetical commands

```
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```
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## 1.214 kexec-tools 2.0.20

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## 1.215 nginx 1.15.8.3

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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## 1.223 cJSON 2.1.0

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## 1.224 libcap-ng 2.26-4.el8

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this

case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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(For example, a function in a library to compute square roots has

a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.  
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## 1.231 libnsl 2.0.0

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## 1.232 golang 1.15.8

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.11, January 15th, 2017

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

\*/

# 1.234 inotify-tools 3.22.6.0

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## THE BASIC LIBRARY FUNCTIONS

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[PCRE]

PCRE LICENCE

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PCRE is a library of functions to support regular expressions whose syntax  
and semantics are as close as possible to those of the Perl 5 language.

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in the testdata directory is not copyrighted and is in the public domain.

The basic library functions are written in C and are freestanding.

Also

included in the distribution is a set of C++ wrapper functions, and a  
just-in-time compiler that can be used to optimize pattern matching. These  
are both optional features that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS

-----

Written by: Philip Hazel  
Email local part: ph10  
Email domain: cam.ac.uk

University of Cambridge Computing Service,

Cambridge, England.

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End

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[Tcl/Tk]

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[Misc  
C library code]

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 */
```

-----  
[zlib]

```
/* zlib.h -- interface of
the 'zlib' general purpose compression library
version 1.2.3, July 18th, 2005
```

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Jean-loup  
Gailly     Mark Adler  
jloup@gzip.org     madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://www.ietf.org/rfc/rfc1950.txt> (zlib format), [rfc1951.txt](http://www.ietf.org/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](http://www.ietf.org/rfc/rfc1952.txt) (gzip format).  
\*/

-----  
[dialyzer]

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[hipe]

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[edoc, syntax\_tools]

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[eunit]

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[leex]

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[eldap]

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# 1.244 python-lxml 4.6.1

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/\* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

\* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

\*

\* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

\* <http://www.hypermall.com/>

\* 10/1/97 - commented out CFG\_PHYIE bit - we don't care when the PHY

\* interrupts us (except possibly for removal/insertion of the cable?)

\* 10/4/97 - began heavy inline documentation of the code. Corrected typos

\* and spelling mistakes.

\* 10/5/97 - added code to handle PHY interrupts, disable PHY on

\* loss of link, and correctly re-enable PHY when link is

\* re-established. (put back CFG\_PHYIE)

\*

\* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

\*

\* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

\*

\* Linux driver for the IDT77201 NICStAR PCI ATM controller.

\* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;

\* see init\_nicstar() for PHY initialization to change this. This driver

\* expects the Linux ATM stack to support scatter-gather

lists

\* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

\*



\* Implementing minimal-copy of received data:  
\* IDT always receives data into a small buffer, then large buffers  
\* as needed. This means that data must always be copied to create  
\* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)  
\* Fix is simple: make large buffers large enough to hold entire  
\* SDU, and leave <small\_buffer\_data> bytes empty at the start. Then  
\* copy small buffer contents to head of large buffer.  
\* Trick is to avoid fragmenting Linux, due to need for a lot of large  
\* buffers. This is done by 2 things:  
\* 1) skb->destructor / skb->atm.recycle\_buffer  
\* combined, allow nicstar\_free\_rx\_skb to be called to  
\* recycle large data buffers  
\* 2) skb\_clone of received buffers  
\* See nicstar\_free\_rx\_skb and linearize\_buffer for implementation  
\* details.

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\* M. Welsh, 6 July 1996

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# 1.246 screen 4.9.0

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```

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## 1.247 nfs-utils 2.6.2

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# 1.248 systemd 246

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## 1.251 less 4.1.3

### 1.251.1 Available under license :

No license file was found, but licenses were detected in source scan.

```
/**
 * Less - Leaner CSS v4.1.3
 * http://lesscss.org
 *
 * Copyright (c) 2009-2022, Alexis Sellier <self@cloudhead.net>
 * Licensed under the Apache-2.0 License.
 *
 * @license Apache-2.0
 */
/*! *****
```

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```
***** */
/*! *****
```

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```
***** */
```

Found in path(s):

\* /opt/cola/permits/1550489314\_1675273249.1374285/0/less-4-1-3-2-tgz/package/dist/less.js

No license file was found, but licenses were detected in source scan.

```
{"version":3,"file":"less.min.js","sources":["../src/less-browser/utills.js","../src/less-
browser/browser.js","../src/less/logger.js","../src/less/environment/environment.js","../src/less/data/colors.js","../src/less/data/unit-
conversions.js","../src/less/data/index.js","../src/less/tree/node.js","../src/less/tree/color.js","../src/less/tree/paren.js","
../src/less/tree/combinator.js","../src/less/tree/element.js","../src/less/constants.js","../node_modules/is-
what/dist/index.esm.js","../node_modules/copy-anything/dist/index.esm.js","../src/less/utills.js","../src/less/less-
error.js","../src/less/tree/selector.js","../src/less/tree/value.js","../src/less/tree/keyword.js","../src/less/tree/anonymous.
js","../src/less/tree/declaration.js","../src/less/tree/debug-
info.js","../src/less/tree/comment.js","../src/less/contexts.js","../src/less/functions/function-
registry.js","../src/less/functions/default.js","../src/less/tree/ruleset.js","../src/less/tree/atrule.js","../src/less/tree/detach-
ed-
ruleset.js","../src/less/tree/unit.js","../src/less/tree/dimension.js","../src/less/tree/operation.js","../src/less/tree/expressi
on.js","../src/less/functions/function-
caller.js","../node_modules/tslib/tslib.es6.js","../src/less/tree/call.js","../src/less/tree/variable.js","../src/less/tree/prop-
erty.js","../src/less/tree/attribute.js","../src/less/tree/quoted.js","../src/less/tree/url.js","../src/less/tree/media.js","../src/le
ss/tree/import.js","../src/less/tree/js-eval-
node.js","../src/less/tree/javascript.js","../src/less/tree/assignment.js","../src/less/tree/condition.js","../src/less/tree/uni
code-descriptor.js","../src/less/tree/negative.js","../src/less/tree/extend.js","../src/less/tree/variable-
call.js","../src/less/tree/namespace-value.js","../src/less/tree/mixin-definition.js","../src/less/tree/mixin-
call.js","../src/less/tree/index.js","../src/less/environment/abstract-file-manager.js","../src/less/environment/abstract-
plugin-loader.js","../src/less/visitors/visitor.js","../src/less/visitors/import-sequencer.js","../src/less/visitors/import-
visitor.js","../src/less/visitors/set-tree-visibility-visitor.js","../src/less/visitors/extend-
visitor.js","../src/less/visitors/join-selector-visitor.js","../src/less/visitors/to-css-
visitor.js","../src/less/visitors/index.js","../src/less/parser/parser-
input.js","../src/less/parser/chunker.js","../src/less/parser/parser.js","../src/less/functions/boolean.js","../src/less/functi
ons/color.js","../src/less/functions/color-blending.js","../src/less/functions/list.js","../src/less/functions/math-
helper.js","../src/less/functions/math.js","../src/less/functions/number.js","../src/less/functions/string.js","../src/less/fu
```

```

nctions/types.js", "../src/less/functions/index.js", "../src/less/functions/data-
uri.js", "../src/less/functions/svg.js", "../src/less/transform-tree.js", "../src/less/plugin-
manager.js", "../node_modules/parse-node-version/index.js", "../src/less-browser/file-
manager.js", "../src/less/index.js", "../src/less/parse-tree.js", "../src/less/source-map-builder.js", "../src/less/source-map-
output.js", "../src/less/import-manager.js", "../src/less/render.js", "../src/less/parse.js", "../src/less-browser/plugin-
loader.js", "../src/less-browser/error-reporting.js", "../src/less-browser/bootstrap.js", "../src/less/default-
options.js", "../src/less-browser/add-default-options.js", "../src/less-browser/index.js", "../src/less-browser/log-
listener.js", "../src/less-browser/cache.js", "../src/less-browser/image-size.js"], "sourcesContent": ["\nexport
function extractId(href) {\n  return href.replace(/^[a-z-]+\:\/\/+?[^\/]+/, "") // Remove protocol & domain\n
.replace(/[\?&]livereload=\w+/, "") // Remove LiveReload cachebuster\n  .replace(/^\//, "") //
Remove root\n  .replace(/^[a-zA-Z]+$/, "") // Remove simple extension\n  .replace(/^[^\.\w-]+\/g, '-
') // Replace
illegal characters\n  .replace(/\.\/g, ':'); // Replace dots with colons(for valid id)\n}\n\nexport
function addDataAttr(options, tag) {\n  if (!tag) {return;} // in case of tag is null or undefined\n  for (const opt in
tag.dataset) {\n    if (tag.dataset.hasOwnProperty(opt)) {\n      if (opt === 'env' || opt === 'dumpLineNumbers'
|| opt === 'rootpath' || opt === 'errorReporting') {\n        options[opt] = tag.dataset[opt];\n      } else {\n
try {\n        options[opt] = JSON.parse(tag.dataset[opt]);\n      } catch (_) {} }\n    }\n  }\n  "import * as utils from './utils';\n\nexport default {\n  createCSS: function (document, styles, sheet)
{\n    // Strip the query-string\n    const href = sheet.href || ""; // If there is no title set, use the filename,
minus the extension\n    const id = `less:${sheet.title || utils.extractId(href)}`;\n
// If this has already been inserted into the DOM, we may need to replace it\n    const oldStyleNode =
document.getElementById(id);\n    let keepOldStyleNode = false;\n\n    // Create a new stylesheet node for
insertion or (if necessary) replacement\n    const styleNode = document.createElement('style');\n
styleNode.setAttribute('type', 'text/css');\n    if (sheet.media) {\n      styleNode.setAttribute('media',
sheet.media);\n    }\n    styleNode.id = id;\n\n    if (!styleNode.styleSheet) {\n
styleNode.appendChild(document.createTextNode(styles));\n    // If new contents match contents of
oldStyleNode, don't replace oldStyleNode\n    keepOldStyleNode = (oldStyleNode !== null &&
oldStyleNode.childNodes.length > 0 && styleNode.childNodes.length > 0 &&\n
oldStyleNode.firstChild.nodeValue === styleNode.firstChild.nodeValue);\n    }\n\n    const head =
document.getElementsByTagName('head')[0];\n\n    // If there is no oldStyleNode, just append; otherwise, only append if we need\n    // to replace oldStyleNode
with an updated stylesheet\n    if (oldStyleNode === null || keepOldStyleNode === false) {\n      const nextEl
= sheet && sheet.nextSibling || null;\n      if (nextEl) {\n        nextEl.parentNode.insertBefore(styleNode,
nextEl);\n      } else {\n        head.appendChild(styleNode);\n      }\n    }\n    if (oldStyleNode &&
keepOldStyleNode === false) {\n      oldStyleNode.parentNode.removeChild(oldStyleNode);\n    }\n\n    //
For IE.\n    // This needs to happen *after* the style element is added to the DOM, otherwise IE 7 and 8 may
crash.\n    // See http://social.msdn.microsoft.com/Forums/en-US/7e081b65-878a-4c22-8e68-
c10d39c2ed32/internet-explorer-crashes-appending-style-element-to-head\n    if (styleNode.styleSheet) {\n
try {\n      styleNode.styleSheet.cssText
= styles;\n    } catch (e) {\n      throw new Error("Couldn't reassign styleSheet.cssText.");\n    }\n
}\n  },\n  currentScript: function(window) {\n    const document = window.document;\n    return
document.currentScript || (() => {\n      const scripts = document.getElementsByTagName('script');\n
return scripts[scripts.length - 1];\n    })();\n  });\n  "export default {\n  error: function(msg) {\n
this._fireEvent('error', msg);\n  },\n  warn: function(msg) {\n    this._fireEvent('warn', msg);\n  },\n  info:
function(msg) {\n    this._fireEvent('info', msg);\n  },\n  debug: function(msg) {\n    this._fireEvent('debug',
msg);\n  },\n  addListener: function(listener) {\n    this._listeners.push(listener);\n  },\n  removeListener:
function(listener) {\n    for (let i = 0; i < this._listeners.length; i++) {\n      if (this._listeners[i] === listener)

```



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    {\n      this._listeners.splice(i, 1);\n      return;\n    }\n  },\n  _fireEvent: function(type,
msg) {\n    for (let i = 0; i < this._listeners.length; i++) {\n      const logFunction = this._listeners[i][type];\n      if (logFunction) {\n        logFunction(msg);\n      }\n    },\n    _listeners: []\n  },\n  "/*\n * @todo
Document why this abstraction exists, and the relationship between\n * environment, file managers, and plugin
manager\n */\n\nimport logger from './logger';\n\nclass Environment {\n  constructor(externalEnvironment,
fileManagers) {\n    this.fileManagers = fileManagers || [];\n    externalEnvironment = externalEnvironment ||
{};\n\n    const optionalFunctions = ['encodeBase64', 'mimeLookup', 'charsetLookup',
'getSourceMapGenerator'];\n    const requiredFunctions = [];\n    const functions =
requiredFunctions.concat(optionalFunctions);\n\n    for (let
i = 0; i < functions.length; i++) {\n      const propName = functions[i];\n      const environmentFunc =
externalEnvironment[propName];\n      if (environmentFunc) {\n        this[propName] =
environmentFunc.bind(externalEnvironment);\n      } else if (i < requiredFunctions.length) {\n
this.warn(`missing required function in environment - ${propName}`);\n      }\n    }\n\n    getFileManager(filename, currentDirectory, options, environment, isSync) {\n\n      if (!filename) {\n
logger.warn('getFileManager called with no filename.. Please report this issue. continuing.);\n      }\n      if
(currentDirectory == null) {\n        logger.warn('getFileManager called with null directory.. Please report this
issue. continuing.);\n      }\n\n      let fileManagers = this.fileManagers;\n      if (options.pluginManager) {\n
fileManagers = [].concat(fileManagers).concat(options.pluginManager.getFileManagers());\n      }\n\n      for (let i = fileManagers.length - 1; i >= 0; i--) {\n        const fileManager = fileManagers[i];\n        if (fileManager[isSync ? 'supportsSync' : 'supports'](filename, currentDirectory, options, environment)) {\n
return fileManager;\n        }\n      }\n      return null;\n    }\n\n    addFileManager(fileManager) {\n      this.fileManagers.push(fileManager);\n    }\n\n    clearFileManagers() {\n      this.fileManagers = [];\n    }\n\n\nexport default Environment;\n",\n  "export default {\n    'aliceblue': '#f0f8ff',\n    'antiquewhite': '#faebd7',\n    'aqua': '#00ffff',\n    'aquamarine': '#7fffd4',\n    'azure': '#f0ffff',\n    'beige': '#f5f5dc',\n    'bisque': '#ffe4c4',\n    'black': '#000000',\n    'blanchedalmond': '#ffebcd',\n    'blue': '#0000ff',\n    'blueviolet': '#8a2be2',\n    'brown': '#a52a2a',\n    'burlywood': '#deb887',\n    'cadetblue': '#5f9ea0',\n    'chartreuse': '#7fff00',\n    'chocolate': '#d2691e',\n    'coral': '#ff7f50',\n    'cornflowerblue': '#6495ed',\n    'cornsilk': '#fff8dc',\n    'crimson': '#dc143c',\n    'cyan': '#00ffff',\n    'darkblue': '#00008b',\n    'darkcyan': '#008b8b',\n    'darkgoldenrod': '#b8860b',\n    'darkgray': '#a9a9a9',\n    'darkgrey': '#a9a9a9',\n    'darkgreen': '#006400',\n    'darkkhaki': '#bdb76b',\n    'darkmagenta': '#8b008b',\n    'darkolivegreen': '#556b2f',\n    'darkorange': '#ff8c00',\n    'darkorchid': '#9932cc',\n    'darkred': '#8b0000',\n    'darksalmon': '#e9967a',\n    'darkseagreen': '#8fbc8f',\n    'darkslateblue': '#483d8b',\n    'darkslategray': '#2f4f4f',\n    'darkslategrey': '#2f4f4f',\n    'darkturquoise': '#00ced1',\n    'darkviolet': '#9400d3',\n    'deeppink': '#ff1493',\n    'deepskyblue': '#00bfff',\n    'dimgray': '#696969',\n    'dimgrey': '#696969',\n    'dodgerblue': '#1e90ff',\n    'firebrick': '#b22222',\n    'floralwhite': '#fffaf0',\n    'forestgreen': '#228b22',\n    'fuchsia': '#ff00ff',\n    'gainsboro': '#dcdcdc',\n    'ghostwhite': '#f8f8ff',\n    'gold': '#ffd700',\n    'goldenrod': '#daa520',\n    'gray': '#808080',\n    'grey': '#808080',\n    'green': '#008000',\n    'greenyellow': '#adff2f',\n    'honeydew': '#ffff00',\n    'hotpink': '#ff69b4',\n    'indianred': '#cd5c5c',\n    'indigo': '#4b0082',\n    'ivory': '#ffff00',\n    'khaki': '#f0e68c',\n    'lavender': '#e6e6fa',\n    'lavenderblush': '#fff0f5',\n    'lawngreen': '#7cfc00',\n    'lemonchiffon': '#ffffac',\n    'lightblue': '#add8e6',\n    'lightcoral': '#f08080',\n    'lightcyan': '#e0ffff',\n    'lightgoldenrodyellow': '#fafad2',\n    'lightgray': '#d3d3d3',\n    'lightgrey': '#d3d3d3',\n    'lightgreen': '#90ee90',\n    'lightpink': '#ffb6c1',\n    'lightsalmon': '#ffa07a',\n    'lightseagreen': '#20b2aa',\n    'lightskyblue': '#87cefa',\n    'lightslategray': '#778899',\n    'lightslategrey': '#778899',\n    'lightsteelblue': '#b0c4de',\n    'lightyellow': '#ffffe0',\n    'lime': '#00ff00',\n    'limegreen': '#32cd32',\n    'linen': '#faf0e6',\n    'magenta': '#ff00ff',\n    'maroon': '#800000',\n    'mediamaquamarine': '#66cdaa',\n    'mediumblue': '#0000cd',\n    'mediumorchid': '#ba55d3',\n    'mediumpurple': '#9370d8',\n    'mediumseagreen': '#3cb371',\n    'mediumslateblue': '#7b68ee',\n    'mediumspringgreen': '#00fa9a',\n    'mediumturquoise': '#48d1cc',\n    'mediumvioletred': '#c71585',\n  }

```

```

'midnightblue':#191970',\n 'mintcream':#f5ffa',\n 'mistyrose':#ffe4e1',\n 'moccasin':#ffe4b5',\n
'navajowhite':#ffdead',\n 'navy':#000080',\n 'oldlace':#fdf5e6',\n 'olive':#808000',\n 'olivedrab':#6b8e23',\n
'orange':#ffa500',\n 'orangered':#ff4500',\n 'orchid':#da70d6',\n 'palegoldenrod':#eee8aa',\n
'palegreen':#98fb98',\n 'paleturquoise':#afeeee',\n 'palevioletred':#d87093',\n 'papayawhip':#ffefd5',\n
'peachpuff':#ffdab9',\n 'peru':#cd853f',\n 'pink':#ffc0cb',\n 'plum':#dda0dd',\n 'powderblue':#b0e0e6',\n
'purple':#800080',\n 'rebeccapurple':#663399',\n 'red':#ff0000',\n 'rosybrown':#bc8f8f',\n
'royalblue':#4169e1',\n 'saddlebrown':#8b4513',\n 'salmon':#fa8072',\n 'sandybrown':#f4a460',\n
'seagreen':#2e8b57',\n 'seashell':#fff5ee',\n 'sienna':#a0522d',\n 'silver':#c0c0c0',\n 'skyblue':#87ceeb',\n
'slateblue':#6a5acd',\n 'slategray':#708090',\n 'slategrey':#708090',\n 'snow':#fffafa',\n
'springgreen':#00ff7f',\n 'steelblue':#4682b4',\n 'tan':#d2b48c',\n 'teal':#008080',\n 'thistle':#d8bfd8',\n
'tomato':#ff6347',\n 'turquoise':#40e0d0',\n 'violet':#ee82ee',\n 'wheat':#f5deb3',\n 'white':#ffffff',\n
'whitesmoke':#f5f5f5',\n 'yellow':#ffff00',\n 'yellowgreen':#9acd32'\n};","export default {\n length: {\n
'm': 1,\n 'cm': 0.01,\n 'mm': 0.001,\n 'in': 0.0254,\n 'px': 0.0254 / 96,\n 'pt': 0.0254 / 72,\n
'pc': 0.0254 / 72 * 12\n },\n duration: {\n 's': 1,\n 'ms': 0.001\n },\n angle: {\n
'rad': 1 / (2 * Math.PI),\n 'deg': 1 / 360,\n 'grad': 1 / 400,\n 'turn': 1\n }\n};","import colors from
'./colors';\nimport unitConversions from './unit-conversions';\n\nexport default { colors, unitConversions };\n"},"/**\n
* The reason why Node is a class and other nodes simply do not extend\n * from Node (since we're transpiling) is
due to this issue:\n * \n * https://github.com/less/less.js/issues/3434\n *\n\n
class Node {\n constructor() {\n this.parent = null;\n this.visibilityBlocks = undefined;\n this.nodeVisible = undefined;\n this.rootNode
= null;\n this.parsed = null;\n }\n\n get currentFileInfo() {\n return this.fileInfo();\n }\n\n get index()
{\n return this.getIndex();\n }\n\n setParent(nodes, parent) {\n function set(node) {\n if (node &&
node instanceof Node) {\n node.parent = parent;\n }\n }\n if (Array.isArray(nodes))
{\n nodes.forEach(set);\n }\n else {\n set(nodes);\n }\n }\n\n getIndex() {\n
return this._index || (this.parent && this.parent.getIndex()) || 0;\n }\n\n fileInfo() {\n return this._fileInfo ||
(this.parent && this.parent.fileInfo()) || {};\n }\n\n isRulesetLike() { return false; }\n\n toCSS(context) {\n
const str = [];\n this.genCSS(context, {\n add: function(chunk, fileInfo, index) {\n
str.push(chunk);\n },\n isEmpty: function () {\n return str.length === 0;\n }\n
});\n return str.join("");\n }\n\n genCSS(context, output) {\n output.add(this.value);\n }\n\n
accept(visitor) {\n this.value = visitor.visit(this.value);\n }\n\n eval() { return this; }\n\n _operate(context,
op, a, b) {\n switch (op) {\n case '+': return a + b;\n case '-': return
a - b;\n case '*': return a * b;\n case '/': return a / b;\n }\n }\n\n fround(context, value) {\n
const precision = context && context.numPrecision;\n // add \"epsilon\" to ensure numbers like 1.000000005
(represented as 1.000000004999...) are properly rounded:\n return (precision) ? Number((value + 2e-
16).toFixed(precision)) : value;\n }\n\n static compare(a, b) {\n /* returns:\n -1: a < b\n 0: a = b\n
1: a > b\n and *any* other value for a != b (e.g. undefined, NaN, -2 etc.) */\n if ((a.compare) &&\n
// for \"symmetric results\" force toCSS-based comparison\n // of Quoted or Anonymous if either value is
one of those\n !(b.type === 'Quoted' || b.type === 'Anonymous')) {\n return a.compare(b);\n } else
if (b.compare) {\n return -b.compare(a);\n } else if (a.type !== b.type) {\n return undefined;\n
}\n\n a = a.value;\n b = b.value;\n if (!Array.isArray(a)) {\n return a === b ? 0 :
undefined;\n }\n if (a.length !== b.length) {\n return undefined;\n }\n for (let i = 0; i <
a.length; i++) {\n if (Node.compare(a[i], b[i]) !== 0) {\n return undefined;\n }\n }\n
return 0;\n }\n\n static numericCompare(a, b) {\n return a < b ? -1\n : a === b ? 0\n : a >
b ? 1 : undefined;\n }\n\n // Returns true if this node represents root of ast imported by reference\n
blocksVisibility() {\n if (this.visibilityBlocks === null) {\n this.visibilityBlocks = 0;\n }\n return
this.visibilityBlocks !== 0;\n }\n\n addVisibilityBlock() {\n if (this.visibilityBlocks === null) {\n
this.visibilityBlocks = 0;\n }\n this.visibilityBlocks = this.visibilityBlocks + 1;\n
}\n\n removeVisibilityBlock() {\n if (this.visibilityBlocks === null) {\n this.visibilityBlocks = 0;\n
}\n this.visibilityBlocks = this.visibilityBlocks - 1;\n }\n\n // Turns on node visibility - if called node will be

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shown in output regardless\n // of whether it comes from import by reference or not\n ensureVisibility() {\n
this.nodeVisible = true;\n };\n // Turns off node visibility - if called node will NOT be shown in output
regardless\n // of whether it comes from import by reference or not\n ensureInvisibility() {\n
this.nodeVisible = false;\n };\n // return values:\n // false - the node must not be visible\n // true - the node
must be visible\n // undefined or null - the node has the same visibility as its parent\n isVisible() {\n return
this.nodeVisible;\n };\n visibilityInfo() {\n return {\n visibilityBlocks: this.visibilityBlocks,\n
nodeVisible:
this.nodeVisible\n };;\n };\n copyVisibilityInfo(info) {\n if (!info) {\n return;\n };\n
this.visibilityBlocks = info.visibilityBlocks;\n this.nodeVisible = info.nodeVisible;\n };\n\nexport default
Node;\n", "import Node from './node';\nimport colors from '../data/colors';\n\n// RGB Colors - #ff0014,
#eee\n\nconst Color = function(rgb, a, originalForm) {\n const self = this;\n // The end goal here, is to
parse the arguments\n // into an integer triplet, such as `128, 255, 0`\n // This facilitates operations and
conversions.\n // if (Array.isArray(rgb)) {\n this.rgb = rgb;\n } else if (rgb.length >= 6) {\n this.rgb
= [];\n rgb.match(/.{2}/g).map(function (c, i) {\n if (i < 3) {\n self.rgb.push(parseInt(c, 16));\n
} else {\n self.alpha = (parseInt(c, 16)) / 255;\n };\n });;\n } else {\n
this.rgb = [];\n rgb.split("").map(function (c, i) {\n if (i < 3) {\n self.rgb.push(parseInt(c + c,
16));\n } else {\n self.alpha = (parseInt(c + c, 16)) / 255;\n };\n });;\n };\n this.alpha =
this.alpha || (typeof a === 'number' ? a : 1);\n if (typeof originalForm !== 'undefined') {\n this.value =
originalForm;\n };\n\nColor.prototype = Object.assign(new Node(), {\n type: 'Color',\n luma() {\n let r
= this.rgb[0] / 255, g = this.rgb[1] / 255, b = this.rgb[2] / 255;\n\n r = (r <= 0.03928) ? r / 12.92 : Math.pow(((r +
0.055) / 1.055), 2.4);\n g = (g <= 0.03928) ? g / 12.92 : Math.pow(((g + 0.055) / 1.055), 2.4);\n b = (b <=
0.03928) ? b / 12.92 : Math.pow(((b + 0.055) / 1.055), 2.4);\n\n return 0.2126 * r + 0.7152 * g + 0.0722 * b;\n
},\n genCSS(context, output) {\n output.add(this.toCSS(context));\n },\n toCSS(context,
doNotCompress)
{\n const compress = context && context.compress && !doNotCompress;\n let color;\n let alpha;\n
let colorFunction;\n let args = [];\n // `value` is set if this color was originally\n // converted from a
named color string so we need\n // to respect this and try to output named color too.\n alpha =
this.fround(context, this.alpha);\n\n if (this.value) {\n if (this.value.indexOf('rgb') === 0) {\n if
(alpha < 1) {\n colorFunction = 'rgba';\n } else if (this.value.indexOf('hsl') === 0) {\n
if (alpha < 1) {\n colorFunction = 'hsla';\n } else {\n colorFunction =
'hsl';\n };\n } else {\n return this.value;\n };\n } else {\n if (alpha < 1) {\n
colorFunction = 'rgba';\n };\n
}\n\n switch (colorFunction) {\n case 'rgba':\n args = this.rgb.map(function (c) {\n
return clamp(Math.round(c), 255);\n }).concat(clamp(alpha, 1));\n break;\n case 'hsla':\n
args.push(clamp(alpha, 1));\n case 'hsl':\n color = this.toHSL();\n args = [\n
this.fround(context, color.h),\n `>${this.fround(context, color.s * 100)}%`,\n
`${this.fround(context, color.l * 100)}%`\n ].concat(args);\n };\n\n if (colorFunction) {\n //
Values are capped between `0` and `255`, rounded and zero-padded.\n return
`${colorFunction}(${args.join(`, ${compress ? " " : ""}`)});`\n };\n\n color = this.toRGB();\n\n if
(compress) {\n const splitcolor = color.split("");\n // Convert color to short format\n
if (splitcolor[1] === splitcolor[2] && splitcolor[3] === splitcolor[4] && splitcolor[5] === splitcolor[6]) {\n
color = `#${splitcolor[1]}${splitcolor[3]}${splitcolor[5]}`;\n };\n\n return color;\n },\n\n
// Operations have to be done per-channel, if not,\n // channels will spill onto each other. Once we have\n //
our result, in the form of an integer triplet,\n // we create a new Color node to hold the result.\n //\n
operate(context, op, other) {\n const rgb = new Array(3);\n const alpha = this.alpha * (1 - other.alpha) +
other.alpha;\n for (let c = 0; c < 3; c++) {\n rgb[c] = this._operate(context, op, this.rgb[c], other.rgb[c]);\n
}\n\n return new Color(rgb, alpha);\n },\n\n toRGB() {\n return toHex(this.rgb);\n },\n\n toHSL()
{\n const r = this.rgb[0] / 255, g = this.rgb[1] / 255, b = this.rgb[2] / 255, a = this.alpha;\n\n const max =

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Math.max(r, g, b), min = Math.min(r, g, b);\n    let h;\n    let s;\n    const l = (max + min) / 2;\n    const d =\n    max - min;\n    if (max === min) {\n        h = s = 0;\n    } else {\n        s = l > 0.5 ? d / (2 - max - min) : d\n    / (max + min);\n    }\n    switch (max) {\n        case r: h = (g - b) / d + (g < b ? 6 : 0); break;\n        case g:\n        h = (b - r) / d + 2; break;\n        case b: h = (r - g) / d + 4; break;\n    }\n    h /= 6;\n    }\n    return { h: h * 360, s, l, a };,\n    }\n    // Adapted from http://mjjackson.com/2008/02/rgb-to-hsl-and-rgb-\nto-hsv-color-model-conversion-algorithms-in-javascript\n    toHSV() {\n        const r = this.rgb[0] / 255, g =\n        this.rgb[1] / 255, b = this.rgb[2] / 255, a = this.alpha;\n        const max = Math.max(r, g, b), min = Math.min(r, g,\n        b);\n        let h;\n        let s;\n        const v = max;\n        const d = max - min;\n        if (max === 0) {\n            s = 0;\n        } else {\n            s = d / max;\n        }\n        if (max === min) {\n            h = 0;\n        } else {\n            switch (max) {\n                case r: h = (g - b) / d + (g < b ? 6 : 0); break;\n                case g: h = (b - r) / d + 2; break;\n                case b: h = (r - g) / d + 4; break;\n            }\n            h /= 6;\n        }\n        return { h: h * 360, s, v, a };,\n    }\n    toARGB() {\n        return toHex([this.alpha * 255].concat(this.rgb));\n    },\n    compare(x) {\n        return (x.rgb &&\n            x.rgb[0] === this.rgb[0] &&\n            x.rgb[1] ===\n            this.rgb[1] &&\n            x.rgb[2] === this.rgb[2] &&\n            x.alpha === this.alpha) ? 0 : undefined;\n    }\n});\n\nColor.fromKeyword = function(keyword) {\n    let c;\n    const key = keyword.toLowerCase();\n    if\n    (colors.hasOwnProperty(key)) {\n        c = new Color(colors[key].slice(1));\n    } else if (key ===\n    'transparent') {\n        c = new Color([0, 0, 0], 0);\n    }\n    if (c) {\n        c.value = keyword;\n        return c;\n    }\n};\n\nfunction clamp(v, max) {\n    return Math.min(Math.max(v, 0), max);\n}\n\nfunction toHex(v) {\n    return\n    `#${v.map(function (c) {\n        c = clamp(Math.round(c), 255);\n        return (c < 16 ? '0' : '') + c.toString(16);\n    }).join('')}`;\n}\n\nexport default Color;\n\n", "import Node from './node';\n\nconst Paren = function(node) {\n    this.value = node;\n};\n\nParen.prototype = Object.assign(new Node(), {\n    type: 'Paren',\n\n    genCSS(context,\n    output) {\n        output.add('(');\n        this.value.genCSS(context, output);\n        output.add(');\n    },\n\n    eval(context) {\n        return new Paren(this.value.eval(context));\n    }\n});\n\nexport default Paren;\n\n", "import\n    Node from './node';\n\nconst _noSpaceCombinators = {\n    "": true,\n    " ": true,\n    "|": true\n};\n\nconst Combinator =\n    function(value) {\n        if (value === ' ')\n        {\n            this.value = ' ';\n            this.emptyOrWhitespace = true;\n        } else {\n            this.value = value ? value.trim() :\n            ";\n            this.emptyOrWhitespace = this.value === ";\n        }\n    }\n\nCombinator.prototype = Object.assign(new\n    Node(), {\n    type: 'Combinator',\n\n    genCSS(context, output) {\n        const spaceOrEmpty = (context.compress ||\n        _noSpaceCombinators[this.value]) ? " " : ' ';\n        output.add(spaceOrEmpty + this.value + spaceOrEmpty);\n    }\n});\n\nexport default Combinator;\n\n", "import Node from './node';\n\nimport Paren from './paren';\n\nimport\n    Combinator from './combinator';\n\nconst Element = function(combinator, value, isVariable, index, fileInfo,\n    visibilityInfo) {\n    this.combinator = combinator instanceof Combinator ?\n        combinator : new\n        Combinator(combinator);\n\n    if (typeof value === 'string') {\n        this.value = value.trim();\n    } else if (value)\n    {\n        this.value = value;\n    } else {\n        this.value = ";\n    }\n\n    this.isVariable = isVariable;\n    this._index = index;\n    this._fileInfo = fileInfo;\n\n    this.copyVisibilityInfo(visibilityInfo);\n    this.setParent(this.combinator, this);\n}\n\nElement.prototype =\n    Object.assign(new Node(), {\n    type: 'Element',\n\n    accept(visitor) {\n        const value = this.value;\n        this.combinator = visitor.visit(this.combinator);\n        if (typeof value === 'object') {\n            this.value =\n            visitor.visit(value);\n        }\n    },\n\n    eval(context) {\n        return new Element(this.combinator,\n        this.value.eval ? this.value.eval(context) : this.value,\n        this.isVariable,\n        this.getIndex(),\n        this.fileInfo(), this.visibilityInfo());\n    },\n\n    clone() {\n        return new Element(this.combinator,\n        this.value,\n        this.isVariable,\n        this.getIndex(),\n        this.fileInfo(), this.visibilityInfo());\n    },\n\n    genCSS(context, output) {\n        output.add(this.toCSS(context), this.fileInfo(), this.getIndex());\n    },\n\n    toCSS(context) {\n        context =\n        context || {};\n        let value = this.value;\n        const firstSelector = context.firstSelector;\n        if (value instanceof\n        Paren) {\n            // selector in parens should not be affected by outer selector\n            // flags (breaks only\n            interpolated selectors - see #1973)\n            context.firstSelector = true;\n        }\n        value = value.toCSS ?\n        value.toCSS(context) : value;\n        context.firstSelector = firstSelector;\n        if (value === " &&

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this.combinator.value.charAt(0) === '&') {\n      return ";\n    } else {\n      return
this.combinator.toCSS(context) + value;\n    }\n  });\n\nexport default Element;\n", "\nexport const Math = {\n  ALWAYS: 0,\n  PARENS_DIVISION: 1,\n  PARENS: 2\n  // removed - STRICT_LEGACY: 3\n};\n\nexport
const RewriteUrls = {\n  OFF: 0,\n  LOCAL: 1,\n  ALL: 2\n};", "/**\r\n
* Returns the object type of the given payload\r\n * @param {*} payload\r\n * @returns {string}\r\n
*/\r\nfunction getType(payload) {\r\n  return Object.prototype.toString.call(payload).slice(8, -1);\r\n}\r\n/**\r\n *
Returns whether the payload is undefined\r\n * @param {*} payload\r\n * @returns {payload is undefined}\r\n
*/\r\nfunction isUndefined(payload) {\r\n  return getType(payload) === 'Undefined';\r\n}\r\n/**\r\n * Returns
whether the payload is null\r\n * @param {*} payload\r\n * @returns {payload is null}\r\n
*/\r\nfunction isNull(payload) {\r\n  return getType(payload) === 'Null';\r\n}\r\n/**\r\n * Returns whether the payload is a plain
JavaScript object (excluding special classes or objects with other prototypes)\r\n * @param {*} payload\r\n *
@returns {payload is Record<string, any>}\r\n
*/\r\nfunction isPlainObject(payload) {\r\n  if (getType(payload)
!=== 'Object')\r\n    return false;\r\n  return payload.constructor === Object &&
Object.getPrototypeOf(payload) === Object.prototype;\r\n}\r\n/**\r\n * Returns whether the payload is a plain
JavaScript object (excluding special classes or objects with other prototypes)\r\n * @param {*} payload\r\n *
@returns {payload is Record<string, any>}\r\n
*/\r\nfunction isObject(payload) {\r\n  return
isPlainObject(payload);\r\n}\r\n/**\r\n * Returns whether the payload is an empty object (excluding special classes
or objects with other prototypes)\r\n * @param {*} payload\r\n * @returns {payload is { [K in any]: never
}}\r\n
*/\r\nfunction isEmptyObject(payload) {\r\n  return isPlainObject(payload) && Object.keys(payload).length
=== 0;\r\n}\r\n/**\r\n * Returns whether the payload is an any kind of object (including special classes or objects
with different prototypes)\r\n * @param {*} payload\r\n * @returns {payload is Record<string, any>}\r\n
*/\r\nfunction isAnyObject(payload) {\r\n  return getType(payload) === 'Object';\r\n}\r\n/**\r\n * Returns
whether the payload is an object like a type passed in <>\r\n * @param {T} payload\r\n * @returns {payload is T}\r\n
*/\r\nfunction isObjectLike(payload) {\r\n  return
isAnyObject(payload);\r\n}\r\n/**\r\n * Returns whether the payload is a function (regular or async)\r\n * @param {*} payload\r\n * @returns {payload is AnyFunction}\r\n
*/\r\nfunction isFunction(payload) {\r\n  return
typeof payload === 'function';\r\n}\r\n/**\r\n * Returns whether the payload is an array\r\n * @param {any}
payload\r\n * @returns {payload is any[]}\r\n
*/\r\nfunction isArray(payload) {\r\n  return getType(payload) ===
'Array';\r\n}\r\n/**\r\n * Returns whether the payload is an array with at least 1 item\r\n * @param {*}
payload\r\n * @returns {payload is any[]}\r\n
*/\r\nfunction isArrayFull(payload) {\r\n  return
isArray(payload) && payload.length > 0;\r\n}\r\n/**\r\n * Returns whether the payload is an empty array\r\n *
@param {*} payload\r\n * @returns {payload is []}\r\n
*/\r\nfunction isEmptyArray(payload) {\r\n  return
isArray(payload) && payload.length === 0;\r\n}\r\n/**\r\n * Returns whether the payload is a string\r\n *
@param {*} payload\r\n * @returns {payload is string}\r\n
*/\r\nfunction isString(payload) {\r\n  return
getType(payload) === 'String';\r\n}\r\n/**\r\n * Returns whether the payload is a string, BUT returns false for "\r\n
*/\r\n * @param {*} payload\r\n * @returns {payload is string}\r\n
*/\r\nfunction isFullString(payload) {\r\n  return
isString(payload) && payload !== "";\r\n}\r\n/**\r\n * Returns whether the payload is "\r\n * @param {*}
payload\r\n * @returns {payload is string}\r\n
*/\r\nfunction isEmptyString(payload) {\r\n  return payload ===
"";\r\n}\r\n/**\r\n * Returns whether the payload is a number (but not NaN)\r\n * @param {any} payload\r\n *
This
will return `false` for `NaN`!\r\n * @param {*} payload\r\n * @returns {payload is number}\r\n
*/\r\nfunction isNumber(payload) {\r\n  return getType(payload) === 'Number' &&
!isNaN(payload);\r\n}\r\n/**\r\n * Returns whether the payload is a boolean\r\n * @param {*} payload\r\n *
@returns {payload is boolean}\r\n
*/\r\nfunction isBoolean(payload) {\r\n  return getType(payload) ===
'Boolean';\r\n}\r\n/**\r\n * Returns whether the payload is a regular expression (RegExp)\r\n * @param {*}
payload\r\n * @returns {payload is RegExp}\r\n
*/\r\nfunction isRegExp(payload) {\r\n  return getType(payload)
=== 'RegExp';\r\n}\r\n/**\r\n * Returns whether the payload is a Map\r\n * @param {*} payload\r\n *
@returns {payload is Map<any, any>}\r\n
*/\r\nfunction isMap(payload) {\r\n  return getType(payload) ===

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'Map';\r\n}\r\n/**\r\n * Returns whether the payload is a WeakMap\r\n * \r\n * @param {*} payload\r\n * @returns
{payload is WeakMap<any, any>}\r\n */\r\nfunction
isWeakMap(payload) {\r\n  return getType(payload) === 'WeakMap';\r\n}\r\n/**\r\n * Returns whether the
payload is a Set\r\n * \r\n * @param {*} payload\r\n * @returns {payload is Set<any>}\r\n */\r\nfunction
isSet(payload) {\r\n  return getType(payload) === 'Set';\r\n}\r\n/**\r\n * Returns whether the payload is a
WeakSet\r\n * \r\n * @param {*} payload\r\n * @returns {payload is WeakSet<any>}\r\n */\r\nfunction
isWeakSet(payload) {\r\n  return getType(payload) === 'WeakSet';\r\n}\r\n/**\r\n * Returns whether the payload is
a Symbol\r\n * \r\n * @param {*} payload\r\n * @returns {payload is symbol}\r\n */\r\nfunction isSymbol(payload)
{\r\n  return getType(payload) === 'Symbol';\r\n}\r\n/**\r\n * Returns whether the payload is a Date, and that the
date is valid\r\n * \r\n * @param {*} payload\r\n * @returns {payload is Date}\r\n */\r\nfunction isDate(payload)
{\r\n  return getType(payload) === 'Date' && !isNaN(payload);\r\n}\r\n/**\r\n * Returns whether the payload is a
Blob\r\n
*\r\n * @param {*} payload\r\n * @returns {payload is Blob}\r\n */\r\nfunction isBlob(payload) {\r\n  return
getType(payload) === 'Blob';\r\n}\r\n/**\r\n * Returns whether the payload is a File\r\n * \r\n * @param {*}
payload\r\n * @returns {payload is File}\r\n */\r\nfunction isFile(payload) {\r\n  return getType(payload) ===
'File';\r\n}\r\n/**\r\n * Returns whether the payload is a Promise\r\n * \r\n * @param {*} payload\r\n * @returns
{payload is Promise<any>}\r\n */\r\nfunction isPromise(payload) {\r\n  return getType(payload) ===
'Promise';\r\n}\r\n/**\r\n * Returns whether the payload is an Error\r\n * \r\n * @param {*} payload\r\n * @returns
{payload is Error}\r\n */\r\nfunction isError(payload) {\r\n  return getType(payload) === 'Error';\r\n}\r\n/**\r\n *
Returns whether the payload is literally the value `NaN` (it's `NaN` and also a `number`)\r\n * \r\n * @param {*}
payload\r\n * @returns {payload is typeof NaN}\r\n */\r\nfunction isNaNValue(payload) {\r\n  return
getType(payload)
=== 'Number' && isNaN(payload);\r\n}\r\n/**\r\n * Returns whether the payload is a primitive type (eg. Boolean |
Null | Undefined | Number | String | Symbol)\r\n * \r\n * @param {*} payload\r\n * @returns {(payload is boolean |
null | undefined | number | string | symbol)}\r\n */\r\nfunction isPrimitive(payload) {\r\n  return
(isBoolean(payload) ||\r\n  isNaN(payload) ||\r\n  isUndefined(payload) ||\r\n  isNumber(payload) ||\r\n
isString(payload) ||\r\n  isSymbol(payload));\r\n}\r\n/**\r\n * Returns true whether the payload is null or
undefined\r\n * \r\n * @param {*} payload\r\n * @returns {(payload is null | undefined)}\r\n */\r\nfunction
isNullOrUndefined(payload) {\r\n  return isNaN(payload) || isUndefined(payload);\r\n}\r\n/**\r\n * Does a generic
check to check that the given payload is of a given type.\r\n * In cases like Number, it will return true for NaN as
NaN is a Number (thanks javascript!);\r\n * It will, however, differentiate
between object and null\r\n * \r\n * @template T\r\n * @param {*} payload\r\n * @param {T} type\r\n * @throws
{TypeError} Will throw type error if type is an invalid type\r\n * @returns {payload is T}\r\n */\r\nfunction
isType(payload, type) {\r\n  if (!(type instanceof Function)) {\r\n    throw new TypeError('Type must be a
function');\r\n  }\r\n  if (!Object.prototype.hasOwnProperty.call(type, 'prototype')) {\r\n    throw new
TypeError('Type is not a class');\r\n  }\r\n  // Classes usually have names (as functions usually have names)\r\n
var name = type.name;\r\n  return getType(payload) === name || Boolean(payload && payload.constructor ===
type);\r\n}\r\n\nexport { getType, isAnyObject, isArray, isBlob, isBoolean, isDate, isEmptyArray, isEmptyObject,
isEmptyString, isError, isFile, isFullArray, isFullString, isFunction, isMap, isNaNValue, isNull, isNullOrUndefined,
isNumber, isObject, isObjectLike, isPlainObject, isPrimitive, isPromise, isRegExp, isSet, isString,
isSymbol, isType, isUndefined, isWeakMap, isWeakSet };
", "import { isArray, isPlainObject } from 'is-what';
\r\n/*!

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*/\r\n\r\nfunction __spreadArrays()  
{\r\n  for (var s = 0, i = 0, il = arguments.length; i < il; i++) s += arguments[i].length;\r\n  for (var r = Array(s), k = 0, i = 0; i < il; i++)\r\n    for (var a = arguments[i], j = 0, jl = a.length; j < jl; j++, k++)\r\n      r[k] = a[j];\r\n  return r;\r\n}\r\n\r\nfunction assignProp(carry, key, newVal, originalObject, includeNonenumerable) {\r\n  var propType = {}.propertyIsEnumerable.call(originalObject, key)\r\n    ? 'enumerable'\r\n    : 'nonenumerable';\r\n  if (propType === 'enumerable')\r\n    carry[key] = newVal;\r\n  if (includeNonenumerable && propType === 'nonenumerable') {\r\n    Object.defineProperty(carry, key, {\r\n      value: newVal,\r\n      enumerable: false,\r\n      writable: true,\r\n      configurable: true,\r\n    });\r\n  }\r\n}\r\n\r\n/*\r\n * Copy (clone) an object and all its props recursively to get rid of any prop referenced of the original object. Arrays are also cloned, however objects
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inside arrays are still linked. \r\n * \r\n * @export \r\n * @template T \r\n * @param {T} target Target can be anything \r\n * @param {Options} [options={}] Options can be `props` or `nonenumerable` \r\n * @returns {T} the target with replaced values \r\n * @export \r\n * \r\nfunction copy(target, options) {\r\n  if (options === void 0) {\r\n    options = {};\r\n  }\r\n  if (isArray(target))\r\n    return target.map(function (i) { return copy(i, options); });\r\n  if (!isPlainObject(target))\r\n    return target;\r\n  var props = Object.getOwnPropertyNames(target);\r\n  var symbols = Object.getOwnPropertySymbols(target);\r\n  return __spreadArrays(props, symbols).reduce(function (carry, key) {\r\n    if (isArray(options.props) && !options.props.includes(key)) {\r\n      return carry;\r\n    }\r\n    var val = target[key];\r\n    var newVal = copy(val, options);\r\n    assignProp(carry, key, newVal, target, options.nonenumerable);\r\n    return carry;\r\n  }, {});\r\n}\r\n\r\nexport { copy }; \r\n"/\r\n * jshint proto: true \r\nimport * as Constants from './constants'; \r\nimport { copy } from 'copy-anything'; \r\n\r\nexport function getLocation(index, inputStream) {\r\n  let n = index + 1;\r\n  let line = null;\r\n  let column = -1;\r\n  while (--n >= 0 && inputStream.charAt(n) !== '\n') {\r\n    column++;\r\n  }\r\n  if (typeof index === 'number') {\r\n    line = (inputStream.slice(0, index).match(/\n/g) || []).length;\r\n  }\r\n  return {\r\n    line,\r\n    column\r\n  }; \r\n}\r\n\r\nexport function copyArray(arr) {\r\n  let i;\r\n  const length = arr.length;\r\n  const copy = new Array(length);\r\n  for (i = 0; i < length; i++) {\r\n    copy[i] = arr[i];\r\n  }\r\n  return copy;\r\n}\r\n\r\nexport function clone(obj) {\r\n  const cloned = {};\r\n  for (const prop in obj) {\r\n    if (obj.hasOwnProperty(prop)) {\r\n      cloned[prop] = obj[prop];\r\n    }\r\n  }\r\n  return cloned;\r\n}\r\n\r\nexport function defaults(obj1, obj2) {\r\n  let newObj = obj2 || {};\r\n  if (!obj2._defaults) {\r\n    newObj = {};\r\n    const defaults = copy(obj1);\r\n    newObj._defaults = defaults;\r\n    const cloned = obj2 ? copy(obj2) : {};\r\n    Object.assign(newObj, defaults, cloned);\r\n  }\r\n  return newObj;\r\n}\r\n\r\nexport function copyOptions(obj1, obj2) {\r\n  if (obj2 && obj2._defaults) {\r\n    return obj2;\r\n  }\r\n  const opts = defaults(obj1, obj2);\r\n  if (opts.strictMath) {\r\n    opts.math = Constants.Math.PARENS;\r\n  }\r\n  // Back compat with changed relativeUrls option\r\n  if (opts.relativeUrls) {\r\n    opts.rewriteUrls = Constants.RewriteUrls.ALL;\r\n  }\r\n  if (typeof opts.math === 'string') {\r\n    switch (opts.math.toLowerCase()) {\r\n      case 'always':\r\n        opts.math = Constants.Math.ALWAYS;\r\n        break;\r\n      case 'parens-division':\r\n        opts.math = Constants.Math.PARENS_DIVISION;\r\n        break;\r\n      case 'strict':\r\n        case 'parens':\r\n          opts.math = Constants.Math.PARENS;\r\n          break;\r\n      default:\r\n        opts.math = Constants.Math.PARENS;\r\n    }\r\n  }\r\n  if (typeof opts.rewriteUrls === 'string') {\r\n    switch (opts.rewriteUrls.toLowerCase()) {\r\n      case 'off':\r\n        opts.rewriteUrls = Constants.RewriteUrls.OFF;\r\n        break;\r\n      case 'local':\r\n        opts.rewriteUrls = Constants.RewriteUrls.LOCAL;\r\n        break;\r\n      case 'all':\r\n        opts.rewriteUrls = Constants.RewriteUrls.ALL;\r\n        break;\r\n    }\r\n  }\r\n  return opts;\r\n}\r\n\r\nexport function merge(obj1, obj2) {\r\n  for (const prop in obj2) {\r\n    if (obj2.hasOwnProperty(prop)) {\r\n      obj1[prop] = obj2[prop];\r\n    }\r\n  }\r\n  return obj1;\r\n}\r\n\r\nexport function flattenArray(arr, result = []) {\r\n  for (let i = 0, length = arr.length; i < length; i++) {\r\n    const value =
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arr[i];\n
    if (Array.isArray(value)) {\n        flattenArray(value, result);\n    } else {\n        if (value !== undefined)\n        {\n            result.push(value);\n        }\n    }\n    return result;\n}","import * as utils from\n './utils';\n\nconst anonymousFunc = /(<anonymous>|Function):((\d+):(\d+));\n\n/**\n * This is a centralized class of\n any error that could be thrown internally (mostly by the parser).\n * Besides standard .message it keeps some\n additional data like a path to the file where the error\n * occurred along with line and column numbers.\n *\n * @class\n * @extends Error\n * @type {module.LessError}\n * @prop {string} type\n * @prop {string} filename\n * @prop {number} index\n * @prop {number} line\n * @prop {number} column\n * @prop {number} callLine\n * @prop {number} callExtract\n * @prop {string[]} extract\n * @param {Object} e - An\n error object to wrap around or just a descriptive object\n * @param {Object} fileContentMap\n - An object with file contents in 'contents' property (like importManager) @todo - move to fileManager?\n *\n * @param {string} [currentFilename]\n *\n\nconst LessError = function(e, fileContentMap, currentFilename) {\n    Error.call(this);\n    const filename = e.filename || currentFilename;\n    this.message = e.message;\n    this.stack = e.stack;\n    if (fileContentMap && filename) {\n        const input = fileContentMap.contents[filename];\n        const loc = utils.getLocation(e.index, input);\n        var line = loc.line;\n        const col = loc.column;\n        const callLine = e.call && utils.getLocation(e.call, input).line;\n        const lines = input ? input.split('\n') : [];\n        this.type = e.type || 'Syntax';\n        this.filename = filename;\n        this.index = e.index;\n        this.line = typeof line === 'number' ? line + 1 : null;\n        this.column = col;\n        if (!this.line && this.stack) {\n            const found = this.stack.match(anonymousFunc);\n\n            /**\n             * We have to figure out how this environment stringifies anonymous functions\n             * so we can correctly map plugin errors.\n             *\n             * Note, in Node 8, the output of anonymous funcs varied based on parameters\n             * being present or not, so we inject dummy params.\n             *\n             const func = new Function('a', 'throw new Error()');\n             let lineAdjust = 0;\n             try {\n                 func();\n             } catch (e) {\n                 const match = e.stack.match(anonymousFunc);\n                 var line = parseInt(match[2]);\n                 lineAdjust = 1 - line;\n             }\n             if (found) {\n                 if (found[2]) {\n                     this.line = parseInt(found[2]) + lineAdjust;\n                 }\n                 if (found[3]) {\n                     this.column = parseInt(found[3]);\n                 }\n             }\n             this.callLine = callLine + 1;\n             this.callExtract = lines[callLine];\n             this.extract = [lines[this.line - 2], lines[this.line - 1], lines[this.line]];\n         }\n         if (typeof Object.create === 'undefined') {\n             const F = function () {};\n             F.prototype = Error.prototype;\n             LessError.prototype = new F();\n         } else {\n             LessError.prototype = Object.create(Error.prototype);\n             LessError.prototype.constructor = LessError;\n         }\n\n         An overridden version of the default Object.prototype.toString\n         * which uses additional information to create a helpful message.\n         *\n         * @param {Object} options\n         * @returns {string}\n         *\n         LessError.prototype.toString = function(options) {\n             options = options || {};\n             let message = '';\n             const extract = this.extract || [];\n             let error = [];\n             let stylize = function (str) { return str; }; \n             if (options.stylize) {\n                 const type = typeof options.stylize;\n                 if (type !== 'function') {\n                     throw Error(`options.stylize should be a function, got a ${type}`);\n                 }\n                 stylize = options.stylize;\n             }\n             if (this.line !== null) {\n                 if (typeof extract[0] === 'string') {\n                     error.push(stylize(`${this.line - 1} ${extract[0]}`, 'grey'));\n                 }\n                 if (typeof extract[1] === 'string') {\n                     let errorTxt = `${this.line}`;\n                     if (extract[1]) {\n                         errorTxt += extract[1].slice(0, this.column) +\n                             stylize(stylize(stylize(extract[1].substr(this.column, 1), 'bold') +\n                                 extract[1].slice(this.column + 1), 'red'), 'inverse');\n                     }\n                     error.push(errorTxt);\n                 }\n                 if (typeof extract[2] === 'string') {\n                     error.push(stylize(`${this.line + 1} ${extract[2]}`, 'grey'));\n                 }\n                 error = `${error.join('\n') + stylize("reset")}\n`;\n             }\n             message += stylize(`${this.type}Error: ${this.message}`, 'red');\n             if (this.filename) {\n                 message += stylize(' in ', 'red') + this.filename;\n             }\n             if (this.line) {\n                 message += stylize(` on line ${this.line}, column ${this.column + 1}:`, 'grey');\n             }\n             message += `\n${error}`;\n             if (this.callLine) {\n                 message += ` ${stylize('from ', 'red')} + (this.filename || '')\n`;\n                 message += ` ${stylize(this.callLine, 'grey')} ${this.callExtract}\n`;\n             }\n             return

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message;\n};\n\nexport default LessError;" ,"import Node from './node';\nimport Element from './element';\nimport
LessError from './less-error';\n\nconst Selector = function(elements, extendList, condition, index, currentFileInfo,
visibilityInfo) {\n  this.extendList = extendList;\n  this.condition = condition;\n  this.evaldCondition =
!condition;\n  this._index = index;\n  this._fileInfo = currentFileInfo;\n  this.elements =
this.getElements(elements);\n  this.mixinElements_ = undefined;\n  this.copyVisibilityInfo(visibilityInfo);\n
  this.setParent(this.elements, this);\n};\n\nSelector.prototype = Object.assign(new Node(), {\n  type:
'Selector',\n\n  accept(visitor) {\n    if (this.elements) {\n      this.elements =
visitor.visitArray(this.elements);\n    }\n    if (this.extendList) {\n      this.extendList =
visitor.visitArray(this.extendList);\n    }\n    if (this.condition) {\n      this.condition =
visitor.visit(this.condition);\n    }\n  },\n\n  createDerived(elements, extendList, evaldCondition) {\n
elements = this.getElements(elements);\n    const newSelector = new Selector(elements, extendList ||
this.extendList,\n      null, this.getIndex(), this.fileInfo(), this.visibilityInfo());\n    newSelector.evaldCondition
= (evaldCondition != null) ? evaldCondition : this.evaldCondition;\n    newSelector.mediaEmpty =
this.mediaEmpty;\n    return newSelector;\n  },\n\n  getElements(els) {\n    if
(!els) {\n      return [new Element('&', false, this._index, this._fileInfo)];\n    }\n    if (typeof els ===
'string') {\n      this.parse.parseNode(\n        els, \n        ['selector'],\n        this._index, \n
this._fileInfo, \n        function(err, result) {\n          if (err) {\n            throw new LessError({\n
              index: err.index,\n              message: err.message\n            }, this.parse.imports,\n
this._fileInfo.filename);\n          }\n          els = result[0].elements;\n        });\n    }\n    return
els;\n  },\n\n  createEmptySelectors() {\n    const el = new Element('&', false, this._index, this._fileInfo), sels
= [new Selector([el], null, null, this._index, this._fileInfo)];\n    sels[0].mediaEmpty = true;\n    return sels;\n
},\n\n  match(other) {\n    const elements
= this.elements;\n    const len = elements.length;\n    let olen;\n    let i;\n\n    other =
other.mixinElements();\n    olen = other.length;\n    if (olen === 0 || len < olen) {\n      return 0;\n    } else
{\n      for (i = 0; i < olen; i++) {\n        if (elements[i].value !== other[i]) {\n          return 0;\n
        }\n      }\n    }\n    return olen; // return number of matched elements\n  },\n\n  mixinElements() {\n
if (this.mixinElements_) {\n      return this.mixinElements_;\n    }\n\n    let elements = this.elements.map(\n
function(v) {\n      return v.combinator.value + (v.value.value || v.value);\n    }).join("").match(/[\,&#\|\*\|\.\|\w-
]([\w-]|(\\|\.))*/g);\n\n    if (elements) {\n      if (elements[0] === '&') {\n        elements.shift();\n
      }\n    } else {\n      elements = [];\n    }\n\n    return (this.mixinElements_
= elements);\n  },\n\n  isJustParentSelector() {\n    return !this.mediaEmpty &&\n      this.elements.length
=== 1 &&\n      this.elements[0].value === '&' &&\n      (this.elements[0].combinator.value === ' ' ||
this.elements[0].combinator.value === "");\n  },\n\n  eval(context) {\n    const evaldCondition = this.condition
&& this.condition.eval(context);\n    let elements = this.elements;\n    let extendList = this.extendList;\n\n
elements = elements && elements.map(function (e) { return e.eval(context); });\n    extendList = extendList &&
extendList.map(function(extend) { return extend.eval(context); });\n\n    return this.createDerived(elements,
extendList, evaldCondition);\n  },\n\n  genCSS(context, output) {\n    let i, element;\n    if (!context ||
!context.firstSelector) && this.elements[0].combinator.value === ") {\n      output.add(' ', this.fileInfo(),
this.getIndex());\n    }\n\n    for (i = 0; i < this.elements.length; i++) {\n      element = this.elements[i];\n      element.genCSS(context,
output);\n    }\n  },\n\n  getIsOutput() {\n    return this.evaldCondition;\n  }\n});\n\nexport default
Selector;\n"} ,"import Node from './node';\n\nconst Value = function(value) {\n  if (!value) {\n    throw new
Error('Value requires an array argument');\n  }\n  if (!Array.isArray(value)) {\n    this.value = [ value ];\n  }\n
else {\n    this.value = value;\n  }\n};\n\nValue.prototype = Object.assign(new Node(), {\n  type: 'Value',\n\n
accept(visitor) {\n    if (this.value) {\n      this.value = visitor.visitArray(this.value);\n    }\n  },\n\n
eval(context) {\n    if (this.value.length === 1) {\n      return this.value[0].eval(context);\n    } else {\n
return new Value(this.value.map(function (v) {\n      return v.eval(context);\n    }));\n    }\n  },\n\n

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genCSS(context, output) {\n    let i;\n    for (i = 0; i < this.value.length; i++) {\n
this.value[i].genCSS(context, output);\n        if (i + 1 < this.value.length) {\n            output.add((context &&
context.compress) ? ':' : ',');\n        }\n    }\n}\n\nexport default Value;\n","import Node from
'./node';\n\nconst Keyword = function(value) {\n    this.value = value;\n};\n\nKeyword.prototype =
Object.assign(new Node(), {\n    type: 'Keyword',\n\n    genCSS(context, output) {\n        if (this.value === '%') {\n
throw { type: 'Syntax', message: 'Invalid % without number' }; }\n        output.add(this.value);\n
}\n});\n\nKeyword.True = new Keyword('true');\nKeyword.False = new Keyword('false');\n\nexport default
Keyword;\n","import Node from './node';\n\nconst Anonymous = function(value, index, currentFileInfo, mapLines,
rulesetLike, visibilityInfo) {\n    this.value = value;\n    this._index = index;\n    this._fileInfo = currentFileInfo;\n
this.mapLines = mapLines;\n    this.rulesetLike = (typeof rulesetLike === 'undefined') ? false : rulesetLike;\n
this.allowRoot = true;\n    this.copyVisibilityInfo(visibilityInfo);\n}\n\nAnonymous.prototype = Object.assign(new
Node(), {\n    type: 'Anonymous',\n    eval() {\n        return new Anonymous(this.value, this._index, this._fileInfo,
this.mapLines, this.rulesetLike, this.visibilityInfo());\n    },\n    compare(other) {\n        return other.toCSS &&
this.toCSS() === other.toCSS() ? 0 : undefined;\n    },\n    isRulesetLike() {\n        return this.rulesetLike;\n    },\n
genCSS(context, output) {\n        this.nodeVisible = Boolean(this.value);\n        if (this.nodeVisible) {\n
output.add(this.value, this._fileInfo, this._index, this.mapLines);\n        }\n    }\n})\n\nexport default
Anonymous;\n","import Node from './node';\n\nimport Value from './value';\n\nimport Keyword from
'./keyword';\n\nimport Anonymous from './anonymous';\n\nimport * as Constants
from './constants';\n\nconst MATH = Constants.Math;\n\nfunction evalName(context, name) {\n    let value = ";\n
let i;\n    const n = name.length;\n    const output = { add: function (s) { value += s; }};\n    for (i = 0; i < n; i++) {\n
name[i].eval(context).genCSS(context, output);\n    }\n    return value;\n}\n\nconst Declaration = function(name,
value, important, merge, index, currentFileInfo, inline, variable) {\n    this.name = name;\n    this.value = (value
instanceof Node) ? value : new Value([value ? new Anonymous(value) : null]);\n    this.important = important ? `
${important.trim()} ` : ";\n    this.merge = merge;\n    this._index = index;\n    this._fileInfo = currentFileInfo;\n
this.inline = inline || false;\n    this.variable = (variable !== undefined) ? variable\n        : (name.charAt &&
(name.charAt(0) === '@'));\n    this.allowRoot = true;\n    this.setParent(this.value,
this);\n}\n\nDeclaration.prototype = Object.assign(new Node(), {\n    type: 'Declaration',\n\n    genCSS(context, output) {\n        output.add(this.name + (context.compress ? ':' : ': '), this.fileInfo(),
this.getIndex());\n        try {\n            this.value.genCSS(context, output);\n        }\n        catch (e) {\n            e.index
= this._index;\n            e.filename = this._fileInfo.filename;\n            throw e;\n        }\n
output.add(this.important + ((this.inline || (context.lastRule && context.compress)) ? " : '");\n        this._fileInfo,
this._index);\n    },\n\n    eval(context) {\n        let mathBypass = false, prevMath, name = this.name, evaldValue,
variable = this.variable;\n        if (typeof name !== 'string') {\n            // expand 'primitive' name directly to get\n
// things faster (~10% for benchmark.les);\n            name = (name.length === 1) && (name[0] instanceof
Keyword) ?\n                name[0].value : evalName(context, name);\n            variable = false; // never treat expanded
interpolation as new variable name\n
        }\n\n        // @todo remove when parens-division is default\n        if (name === 'font' && context.math ===
MATH.ALWAYS) {\n            mathBypass = true;\n            prevMath = context.math;\n            context.math =
MATH.PARENS_DIVISION;\n        }\n        try {\n            context.importantScope.push({});\n            evaldValue =
this.value.eval(context);\n            if (!this.variable && evaldValue.type === 'DetachedRuleset') {\n                throw
{ message: 'Rulesets cannot be evaluated on a property.',\n                    index: this.getIndex(), filename:
this.fileInfo().filename }; }\n            let important = this.important;\n            const importantResult =
context.importantScope.pop();\n            if (!important && importantResult.important) {\n                important =
importantResult.important;\n            }\n            return new Declaration(name,\n                evaldValue,\n
important,\n                this.merge,\n
                this.getIndex(), this.fileInfo(), this.inline,\n                    variable);\n        }\n        catch (e) {\n            if
(typeof e.index !== 'number') {\n                e.index = this.getIndex();\n                e.filename =
this.fileInfo().filename;\n            }\n            throw e;\n        }\n        finally {\n            if (mathBypass) {\n

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context.math = prevMath;\n        }\n    }\n  },\n\n  makeImportant() {\n    return new
Declaration(this.name,\n          this.value,\n          '!important',\n          this.merge,\n          this.getIndex(),
this.fileInfo(), this.inline);\n  }\n});\n\nexport default Declaration;","function asComment(ctx) {\n  return `/* line
${ctx.debugInfo.lineNumber}, ${ctx.debugInfo.fileName} */\n\n\nfunction asMediaQuery(ctx) {\n  let
filenameWithProtocol = ctx.debugInfo.fileName;\n  if (!/^[-a-z]+:\\|\\/i.test(filenameWithProtocol)) {\n
filenameWithProtocol = `file://${filenameWithProtocol}`;\n
\n  }\n  return `@media -sass-debug-info{filename{font-family:${filenameWithProtocol.replace(/(\\|\\/)/g,
function (a) {\n    if (a == "\\|") {\n      a = '\\';\n    }\n    return `\\\\\\\\$${a}`;\n  }}}font-
family:\\|00003${ctx.debugInfo.lineNumber}}}\n\n\nfunction debugInfo(context, ctx, lineSeparator) {\n  let
result = "";\n  if (context.dumpLineNumbers && !context.compress) {\n    switch (context.dumpLineNumbers)
{\n      case 'comments':\n        result = asComment(ctx);\n        break;\n      case 'mediaquery':\n
result = asMediaQuery(ctx);\n        break;\n      case 'all':\n        result = asComment(ctx) +
(lineSeparator || "\n") + asMediaQuery(ctx);\n        break;\n    }\n  }\n  return result;\n}\n\nexport default
debugInfo;\n\n","import Node from './node';\nimport getDebugInfo from './debug-info';\nconst Comment =
function(value,
isLineComment, index, currentFileInfo) {\n  this.value = value;\n  this.isLineComment = isLineComment;\n
this._index = index;\n  this._fileInfo = currentFileInfo;\n  this.allowRoot = true;\n}\n\nComment.prototype =
Object.assign(new Node(), {\n  type: 'Comment',\n\n  genCSS(context, output) {\n    if (this.debugInfo) {\n
output.add(getDebugInfo(context, this), this.fileInfo(), this.getIndex());\n    }\n    output.add(this.value);\n
},\n\n  isSilent(context) {\n    const isCompressed = context.compress && this.value[2] !== '!';\n    return
this.isLineComment || isCompressed;\n  }\n});\n\nexport default Comment;\n\n","const contexts = {};\nexport
default contexts;\nimport * as Constants from './constants';\nconst copyFromOriginal = function
copyFromOriginal(original, destination, propertiesToCopy) {\n  if (!original) { return; }\n  for (let i = 0; i <
propertiesToCopy.length; i++) {\n    if (original.hasOwnProperty(propertiesToCopy[i]))
{\n      destination[propertiesToCopy[i]] = original[propertiesToCopy[i]];\n    }\n  }\n};\n\n*\n\nparse is used
whilst parsing\n*\nconst parseCopyProperties = [\n  // options\n  'paths',          // option - unmodified - paths to
search for imports on\n  'rewriteUrls',    // option - whether to adjust URL's to be relative\n  'rootpath',    //
option - rootpath to append to URL's\n  'strictImports', // option -\n  'insecure',    // option - whether to allow
imports from insecure ssl hosts\n  'dumpLineNumbers', // option - whether to dump line numbers\n  'compress',
// option - whether to compress\n  'syncImport',  // option - whether to import synchronously\n  'chunkInput',
// option - whether to chunk input. more performant but causes parse issues.\n  'mime',          // browser only -
mime type for sheet import\n  'useFileCache',   // browser only - whether to use the per file session
cache\n  // context\n  'processImports', // option & context - whether to process imports. if false then imports
will not be imported.\n  // Used by the import manager to stop multiple import visitors being created.\n
'pluginManager' // Used as the plugin manager for the session\n];\n\ncontexts.Parse = function(options) {\n
copyFromOriginal(options, this, parseCopyProperties);\n  if (typeof this.paths === 'string') { this.paths =
[this.paths]; }\n\n  const evalCopyProperties = [\n    'paths',          // additional include paths\n    'compress',
// whether to compress\n    'math',          // whether math has to be within parenthesis\n    'strictUnits', //
whether units need to evaluate correctly\n    'sourceMap',    // whether to output a source map\n
'importMultiple', // whether we are currently importing multiple copies\n    'urlArgs',      // whether to add args
into url tokens\n    'javascriptEnabled', // option - whether
\n    Inline JavaScript is enabled. if undefined, defaults to false\n    'pluginManager', // Used as the plugin manager for
the session\n    'importantScope', // used to bubble up !important statements\n    'rewriteUrls' // option -
whether to adjust URL's to be relative\n];\n\n  contexts.Eval = function(options, frames) {\n
copyFromOriginal(options, this, evalCopyProperties);\n  if (typeof this.paths === 'string') { this.paths =
[this.paths]; }\n\n  this.frames = frames || [];\n  this.importantScope = this.importantScope ||
[];\n\n  contexts.Eval.prototype.enterCalc = function () {\n    if (!this.calcStack) {\n      this.calcStack = [];\n
}\n    this.calcStack.push(true);\n    this.inCalc = true;\n  }\n\n  contexts.Eval.prototype.exitCalc = function () {\n

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this.calcStack.pop();\n if (!this.calcStack.length) {\n   this.inCalc = false;\n }\n};\n\ncontexts.Eval.prototype.inParenthesis = function () {\n  if (!this.parensStack) {\n    this.parensStack = [];\n  }\n  this.parensStack.push(true);\n};\n\ncontexts.Eval.prototype.outOfParenthesis = function () {\n  this.parensStack.pop();\n};\n\ncontexts.Eval.prototype.inCalc = false;\ncontexts.Eval.prototype.mathOn = true;\ncontexts.Eval.prototype.isMathOn = function (op) {\n  if (!this.mathOn) {\n    return false;\n  }\n  if (op === '/' && this.math !== Constants.Math.ALWAYS && (!this.parensStack || !this.parensStack.length)) {\n    return false;\n  }\n  if (this.math > Constants.Math.PARENS_DIVISION) {\n    return this.parensStack && this.parensStack.length;\n  }\n  return true;\n};\n\ncontexts.Eval.prototype.pathRequiresRewrite = function (path) {\n  const isRelative = this.rewriteUrls === Constants.RewriteUrls.LOCAL ? isPathLocalRelative : isPathRelative;\n  return isRelative(path);\n};\n\ncontexts.Eval.prototype.rewritePath = function (path, rootpath) {\n  let newPath;\n  rootpath = rootpath || '';\n  newPath = this.normalizePath(rootpath + path);\n  // If a path was explicit relative and the rootpath was not an absolute path\n  // we must ensure that the new path is also explicit relative.\n  if (isPathLocalRelative(path) && !isPathRelative(rootpath) && !isPathLocalRelative(newPath) === false) {\n    newPath = `.${newPath}`;\n  }\n  return newPath;\n};\n\ncontexts.Eval.prototype.normalizePath = function (path) {\n  const segments = path.split('/').reverse();\n  let segment;\n  path = [];\n  while (segments.length !== 0) {\n    segment = segments.pop();\n    switch (segment) {\n      case '!':\n        break;\n      case '..':\n        if ((path.length === 0) || (path[path.length - 1] === '..')) {\n          path.push(segment);\n        } else {\n          path.pop();\n        }\n        break;\n      default:\n        path.push(segment);\n    }\n  }\n  return path.join('/');\n};\n\nfunction isPathRelative(path) {\n  return !/^(?:[a-z-]+:|\\|#)/i.test(path);\n}\n\nfunction isPathLocalRelative(path) {\n  return path.charAt(0) === '.';\n}\n\n// todo - do the same for the toCSS ?\nfunction makeRegistry( base ) {\n  return {\n    _data: {},\n    add: function(name, func) {\n      // precautionary case conversion, as later querying of the registry by function-caller uses lower case as well.\n      name = name.toLowerCase();\n      if (this._data.hasOwnProperty(name)) {\n        // TODO warn\n      }\n      this._data[name] = func;\n    },\n    addMultiple: function(functions) {\n      Object.keys(functions).forEach(\n        name => {\n          this.add(name, functions[name]);\n        }\n      );\n    },\n    get: function(name) {\n      return this._data[name] || ( base && base.get( name ) );\n    },\n    getLocalFunctions: function() {\n      return this._data;\n    },\n    inherit: function() {\n      return makeRegistry( this );\n    },\n    create: function(base) {\n      return makeRegistry(base);\n    }\n  };\n}\n\nexport default makeRegistry( null );\n\nimport Keyword from './tree/keyword';\nconst defaultFunc = {\n  eval: function () {\n    const v = this.value_;\n    const e = this.error_;\n    if (e) {\n      throw e;\n    }\n    if (v !== null) {\n      return v ? Keyword.True : Keyword.False;\n    }\n  },\n  value: function (v) {\n    this.value_ = v;\n  },\n  error: function (e) {\n    this.error_ = e;\n  },\n  reset: function () {\n    this.value_ = this.error_ = null;\n  }\n};\n\nexport default defaultFunc;\n\nimport Node from './node';\nimport Declaration from './declaration';\nimport Keyword from './keyword';\nimport Comment from './comment';\nimport Paren from './paren';\nimport Selector from './selector';\nimport Element from './element';\nimport Anonymous from './anonymous';\nimport contexts from './contexts';\nimport globalFunctionRegistry from './functions/function-registry';\nimport defaultFunc from './functions/default';\nimport getDebugInfo from './debug-info';\nimport * as utils from './utils';\n\nconst Ruleset = function(selectors, rules, strictImports, visibilityInfo) {\n  this.selectors = selectors;\n  this.rules = rules;\n  this._lookups = {};\n  this._variables = null;\n  this._properties = null;\n  this.strictImports = strictImports;\n  this.copyVisibilityInfo(visibilityInfo);\n  this.allowRoot = true;\n  this.setParent(this.selectors, this);\n  this.setParent(this.rules, this);\n}\n\nRuleset.prototype = Object.assign(new Node(), {\n  type: 'Ruleset',\n  isRuleset: true,\n  isRulesetLike() { return true; },\n  accept(visitor) {\n    if (this.paths) {\n      this.paths = visitor.visitArray(this.paths, true);\n    } else if (this.selectors) {\n      this.selectors = visitor.visitArray(this.selectors);\n    } if (this.rules && this.rules.length) {\n      this.rules = visitor.visitArray(this.rules);\n    }\n  },\n});\n
```

```

eval(context) {\n    const that = this;\n    let selectors;\n    let selCnt;\n    let selector;\n    let i;\n    let
hasVariable;\n    let hasOnePassingSelector = false;\n    if (this.selectors && (selCnt = this.selectors.length))
{\n    selectors = new Array(selCnt);\n    defaultFunc.error({\n        type: 'Syntax',\n
message: 'it is currently only allowed in parametric mixin guards,'
});\n    for (i = 0; i < selCnt; i++)
{\n    selector = this.selectors[i].eval(context);\n    for (var j = 0; j < selector.elements.length; j++) {\n
if (selector.elements[j].isVariable) {\n
hasVariable = true;\n        break;\n    }\n    selectors[i] =
selector;\n    if (selector.evaldCondition) {\n        hasOnePassingSelector = true;\n    }\n
}\n\n    if (hasVariable) {\n        const toParseSelectors = new Array(selCnt);\n        for (i = 0; i <
selCnt; i++) {\n            selector = selectors[i];\n            toParseSelectors[i] = selector.toCSS(context);\n
}\n            this.parse.parseNode(\n                toParseSelectors.join(','),\n                ["selectors"], \n
selectors[0].getIndex(), \n                selectors[0].fileInfo(), \n                function(err, result) {\n
if (result) {\n                selectors = utils.flattenArray(result);\n            }\n        });\n
}\n\n        defaultFunc.reset();\n    } else {\n        hasOnePassingSelector = true;\n    }\n\n    let
rules = this.rules ? utils.copyArray(this.rules) : null;\n    const ruleset = new Ruleset(selectors, rules,
this.strictImports, this.visibilityInfo());\n    let rule;\n    let subRule;\n\n    ruleset.originalRuleset = this;\n
ruleset.root = this.root;\n    ruleset.firstRoot = this.firstRoot;\n    ruleset.allowImports = this.allowImports;\n\n
if (this.debugInfo) {\n        ruleset.debugInfo = this.debugInfo;\n    }\n\n    if (!hasOnePassingSelector) {\n
rules.length = 0;\n    }\n\n    // inherit a function registry from the frames stack when possible;\n    //
otherwise from the global registry\n    ruleset.functionRegistry = (function (frames) {\n        let i = 0;\n
const n = frames.length;\n        let found;\n        for (; i !== n; ++i) {\n
found = frames[ i ].functionRegistry;\n        if ( found ) { return found; }\n        }\n        return
globalFunctionRegistry;\n    })(context.frames)).inherit();\n\n    // push the current ruleset to the frames stack\n
const ctxFrames = context.frames;\n    ctxFrames.unshift(ruleset);\n\n    // current selectors\n    let
ctxSelectors = context.selectors;\n    if (!ctxSelectors) {\n        context.selectors = ctxSelectors = [];\n    }\n
ctxSelectors.unshift(this.selectors);\n\n    // Evaluate imports\n    if (ruleset.root || ruleset.allowImports ||
!ruleset.strictImports) {\n        ruleset.evalImports(context);\n    }\n\n    // Store the frames around mixin
definitions,\n    // so they can be evaluated like closures when the time comes.\n    const rsRules =
ruleset.rules;\n    for (i = 0; (rule = rsRules[i]); i++) {\n        if (rule.evalFirst) {\n            rsRules[i] =
rule.eval(context);\n
}\n    }\n\n    const mediaBlockCount = (context.mediaBlocks && context.mediaBlocks.length) || 0;\n\n
// Evaluate mixin calls.\n    for (i = 0; (rule = rsRules[i]); i++) {\n        if (rule.type === 'MixinCall') {\n
/* jshint loopfunc:true */\n        rules = rule.eval(context).filter(function(r) {\n            if ((r instanceof
Declaration) && r.variable) {\n                // do not pollute the scope if the variable is\n                // already
there. consider returning false here\n                // but we need a way to \"return\" variable from mixins\n
return !(ruleset.variable(r.name));\n            }\n            return true;\n        });\n        rsRules.splice.apply(rsRules, [i, 1].concat(rules));\n        i += rules.length - 1;\n        ruleset.resetCache();\n
}\n    } else if (rule.type === 'VariableCall')
{\n        /* jshint loopfunc:true */\n        rules = rule.eval(context).rules.filter(function(r) {\n            if
((r instanceof Declaration) && r.variable) {\n                // do not pollute the scope at all\n                return
false;\n            }\n            return true;\n        });\n        rsRules.splice.apply(rsRules, [i,
1].concat(rules));\n        i += rules.length - 1;\n        ruleset.resetCache();\n    }\n\n    //
Evaluate everything else\n    for (i = 0; (rule = rsRules[i]); i++) {\n        if (!rule.evalFirst) {\n
rsRules[i] = rule = rule.eval ? rule.eval(context) : rule;\n        }\n    }\n\n    // Evaluate everything else\n
for (i = 0; (rule = rsRules[i]); i++) {\n        // for rulesets, check if it is a css guard and can be removed\n        if
(rule instanceof Ruleset && rule.selectors
&& rule.selectors.length === 1) {\n            // check if it can be folded in (e.g. & where)\n            if
(rule.selectors[0] && rule.selectors[0].isJustParentSelector()) {\n                rsRules.splice(i--, 1);\n
}\n    }\n
}

```

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for (var j = 0; (subRule = rule.rules[j]); j++) {\n
    if (subRule instanceof Node) {\n
        subRule.copyVisibilityInfo(rule.visibilityInfo());\n
        if (!(subRule instanceof Declaration) ||\n
            !subRule.variable) {\n
            rsRules.splice(++i, 0, subRule);\n
        }\n
    }\n
}\n
// Pop the stack\n
ctxFrames.shift();\n
ctxSelectors.shift();\n
if (context.mediaBlocks) {\n
    for (i = mediaBlockCount; i <\n
        context.mediaBlocks.length; i++) {\n
        context.mediaBlocks[i].bubbleSelectors(selectors);\n
    }\n
}\n
return ruleset;\n
},\n
evalImports(context) {\n
    const rules = this.rules;\n
    let i;\n
    let importRules;\n
    if (!rules) { return; }\n
    for (i = 0; i < rules.length; i++) {\n
        if (rules[i].type ===\n
            'Import') {\n
            importRules = rules[i].eval(context);\n
            if (importRules && (importRules.length ||\n
                importRules.length === 0)) {\n
                rules.splice.apply(rules, [i, 1].concat(importRules));\n
                i +=\n
                importRules.length - 1;\n
            } else {\n
                rules.splice(i, 1, importRules);\n
            }\n
        }\n
    }\n
    this.resetCache();\n
}\n
},\n
makeImportant() {\n
    const result = new Ruleset(this.selectors,\n
        this.rules.map(function (r) {\n
            if (r.makeImportant) {\n
                return r.makeImportant();\n
            } else {\n
                return r;\n
            }\n
        }), this.strictImports,\n
        this.visibilityInfo());\n
    return result;\n
},\n
matchArgs(args) {\n
    return !args || args.length === 0;\n
},\n
// lets you call a css selector with a guard\n
matchCondition(args, context) {\n
    const lastSelector =\n
        this.selectors[this.selectors.length - 1];\n
    if (!lastSelector.evaldCondition) {\n
        return false;\n
    }\n
    if (lastSelector.condition &&\n
        !lastSelector.condition.eval(\n
            new contexts.Eval(context,\n
                context.frames))) {\n
        return false;\n
    }\n
    return true;\n
},\n
resetCache() {\n
    this._rulesets\n
    = null;\n
    this._variables = null;\n
    this._properties = null;\n
    this._lookups = {};\n
},\n
variables()\n
{\n
    if (!this._variables) {\n
        this._variables = !this.rules ? {} : this.rules.reduce(function (hash, r) {\n
            if (r instanceof Declaration && r.variable === true) {\n
                hash[r.name] = r;\n
            }\n
            // when evaluating variables in an import statement, imports\n
            have not been eval'd\n
            // so we need to go inside import statements.\n
            // guard against root being a\n
            string (in the case of inlined less)\n
            if (r.type === 'Import' && r.root && r.root.variables) {\n
                const vars = r.root.variables();\n
                for (const name in vars) {\n
                    if\n
                    (vars.hasOwnProperty(name)) {\n
                        hash[name] = r.root.variable(name);\n
                    }\n
                }\n
            }\n
            return hash;\n
        }, {});\n
    }\n
    return this._variables;\n
},\n
properties()\n
{\n
    if (!this._properties) {\n
        this._properties = !this.rules ? {} : this.rules.reduce(function\n
        (hash, r) {\n
            if (r instanceof Declaration && r.variable !== true) {\n
                const name = (r.name.length === 1) && (r.name[0] instanceof Keyword) ?\n
                r.name[0].value :\n
                r.name;\n
                // Properties don't overwrite as they can merge\n
                if (!hash[`${name}`]) {\n
                    hash[`${name}`] = [ r ];\n
                }\n
                else {\n
                    hash[`${name}`].push(r);\n
                }\n
            }\n
            return hash;\n
        }, {});\n
    }\n
    return this._properties;\n
},\n
variable(name) {\n
    const decl = this.variables()[name];\n
    if (decl) {\n
        return this.parseValue(decl);\n
    }\n
},\n
property(name) {\n
    const decl = this.properties()[name];\n
    if (decl) {\n
        return\n
        this.parseValue(decl);\n
    }\n
},\n
lastDeclaration() {\n
    for (let i = this.rules.length; i > 0; i--) {\n
        const decl = this.rules[i - 1];\n
        if (decl\n
            instanceof Declaration) {\n
            return this.parseValue(decl);\n
        }\n
    }\n
},\n
parseValue(toParse) {\n
    const self = this;\n
    function transformDeclaration(decl) {\n
        if (decl.value\n
            instanceof Anonymous && !decl.parsed) {\n
            if (typeof decl.value.value === 'string') {\n
                this.parse.parseNode(\n
                    decl.value.value,\n
                    ['value', 'important'],\n
                    decl.value.getIndex(),\n
                    decl.fileInfo(),\n
                    function(err, result) {\n
                        if\n
                        (err) {\n
                            decl.parsed = true;\n
                        }\n
                        if (result) {\n
                            decl.value = result[0];\n
                            decl.important = result[1] || '';\n
                            decl.parsed =\n
                            true;\n
                        }\n
                    }\n
                );\n
            }\n
        } else {\n
            decl.parsed = true;\n
        }\n
        return decl;\n
    }\n
    if (!Array.isArray(toParse)) {\n
        return\n

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transformDeclaration.call(self, toParse);\n      }\n      else {\n        const nodes = [];\n        toParse.forEach(function(n) {\n          nodes.push(transformDeclaration.call(self, n));\n        });\n        return\n        nodes;\n      }\n    },\n    rulesets() {\n      if (!this.rules) { return []; }\n      const filtRules = [];\n      const\n      rules = this.rules;\n      let i;\n      let rule;\n      for (i = 0; (rule = rules[i]); i++) {\n        if (rule.isRuleset) {\n          filtRules.push(rule);\n        }\n      }\n      return filtRules;\n    },\n    prependRule(rule) {\n      const\n      rules = this.rules;\n      if (rules) {\n        rules.unshift(rule);\n      } else {\n        this.rules = [ rule ];\n      }\n      this.setParent(rule, this);\n    },\n    find(selector, self, filter) {\n      self = self || this;\n      const rules = [];\n      let match;\n      let\n      foundMixins;\n      const key = selector.toCSS();\n      if (key in this._lookups) { return this._lookups[key]; }\n      this.rulesets().forEach(function (rule) {\n        if (rule !== self) {\n          for (let j = 0; j <\n          rule.selectors.length; j++) {\n            match = selector.match(rule.selectors[j]);\n            if (match) {\n              if (selector.elements.length > match) {\n                if (!filter || filter(rule)) {\n                  foundMixins = rule.find(new Selector(selector.elements.slice(match)), self, filter);\n                  for (let i =\n                  0; i < foundMixins.length; ++i) {\n                    foundMixins[i].path.push(rule);\n                    Array.prototype.push.apply(rules,\n                    foundMixins);\n                  }\n                } else {\n                  rules.push({ rule, path: []});\n                }\n                break;\n              }\n            }\n          });\n          this._lookups[key] = rules;\n          return rules;\n        },\n        genCSS(context, output) {\n          let i;\n          let j;\n          const charsetRuleNodes = [];\n          let ruleNodes = [];\n          let // Line number debugging\n          debugInfo;\n          let rule;\n          let path;\n          context.tabLevel = (context.tabLevel || 0);\n          if (!this.root) {\n            context.tabLevel++;\n          }\n          const tabRuleStr = context.compress ? " : Array(context.tabLevel + 1).join(' ');\n          const tabSetStr =\n          context.compress ? " : Array(context.tabLevel).join('\n          ');\n          let sep;\n          let charsetNodeIndex = 0;\n          let importNodeIndex = 0;\n          for (i = 0; (rule =\n          this.rules[i]); i++) {\n            if (rule instanceof Comment) {\n              if (importNodeIndex === i) {\n                importNodeIndex++;\n              }\n              ruleNodes.push(rule);\n            } else if (rule.isCharset &&\n            rule.isCharset()) {\n              ruleNodes.splice(charsetNodeIndex, 0, rule);\n              charsetNodeIndex++;\n            }\n            importNodeIndex++;\n          } else if (rule.type === 'Import') {\n            ruleNodes.splice(importNodeIndex,\n            0, rule);\n            importNodeIndex++;\n          } else {\n            ruleNodes.push(rule);\n          }\n        }\n      ruleNodes = charsetRuleNodes.concat(ruleNodes);\n      // If this is the root node, we don't render\n      // a\n      selector, or {\n        if (!this.root) {\n          debugInfo = getDebugInfo(context, this,\n          tabSetStr);\n          if (debugInfo) {\n            output.add(debugInfo);\n            output.add(tabSetStr);\n          }\n          const paths = this.paths;\n          const pathCnt = paths.length;\n          let pathSubCnt;\n          sep\n          = context.compress ? ' : (' + '\\n${tabSetStr}';\n          for (i = 0; i < pathCnt; i++) {\n            path = paths[i];\n            if (!(pathSubCnt = path.length)) { continue; }\n            if (i > 0) { output.add(sep); }\n            context.firstSelector = true;\n            path[0].genCSS(context, output);\n            context.firstSelector = false;\n            for (j = 1; j < pathSubCnt; j++) {\n              path[j].genCSS(context, output);\n            }\n          }\n          output.add((context.compress ? '{' : '\\n') + tabRuleStr);\n          // Compile rules and rulesets\n          for (i = 0; (rule = ruleNodes[i]); i++) {\n            if\n            (i + 1 === ruleNodes.length) {\n              context.lastRule = true;\n            }\n            const currentLastRule =\n            context.lastRule;\n            if (rule.isRulesetLike(rule)) {\n              context.lastRule = false;\n            }\n            if\n            (rule.genCSS) {\n              rule.genCSS(context, output);\n            } else if (rule.value) {\n              output.add(rule.value.toString());\n            }\n            context.lastRule = currentLastRule;\n            if\n            (!context.lastRule && rule.isVisible()) {\n              output.add(context.compress ? " : (" + '\\n${tabRuleStr}');\n            } else {\n              context.lastRule = false;\n            }\n          }\n          if (!this.root) {\n            output.add((context.compress ? '}' : '\\n${tabSetStr}'));\n            context.tabLevel--;\n          }\n          if\n          (!output.isEmpty() && !context.compress && this.firstRoot) {\n            output.add('\\n');\n          }\n        }\n      }\n    },\n    joinSelectors(paths,

```

```

context, selectors) {\n    for (let s = 0; s < selectors.length; s++) {\n        this.joinSelector(paths, context,\n        selectors[s]);\n    }\n    },\n    joinSelector(paths, context, selector) {\n        function\n        createParenthesis(elementsToPak, originalElement) {\n            let replacementParen, j;\n            if\n            (elementsToPak.length === 0) {\n                replacementParen = new Paren(elementsToPak[0]);\n            } else {\n                const insideParent = new Array(elementsToPak.length);\n                for (j = 0; j < elementsToPak.length; j++)\n                {\n                    insideParent[j] = new Element(\n                        null,\n                        elementsToPak[j],\n                        originalElement.isVariable,\n                        originalElement._index,\n                        originalElement._fileInfo\n                    );\n                }\n                replacementParen = new Paren(new Selector(insideParent));\n            }\n            return replacementParen;\n        }\n        function createSelector(containedElement, originalElement)\n        {\n            let element, selector;\n            element = new Element(null, containedElement,\n            originalElement.isVariable, originalElement._index, originalElement._fileInfo);\n            selector = new\n            Selector([element]);\n            return selector;\n        }\n        // joins selector path from `beginningPath` with\n        selector path in `addPath`\n        // `replacedElement` contains element that is being replaced by `addPath`\n        // returns concatenated path\n        function addReplacementIntoPath(beginningPath, addPath, replacedElement,\n        originalSelector) {\n            let newSelectorPath, lastSelector, newJoinedSelector;\n            // our new selector path\n            newSelectorPath = [];\n            // construct the joined selector - if & is the first thing this will be empty,\n            // if not newJoinedSelector will be the last set of\n            elements in the selector\n            if (beginningPath.length > 0) {\n                newSelectorPath =\n                utils.copyArray(beginningPath);\n                lastSelector = newSelectorPath.pop();\n                newJoinedSelector =\n                originalSelector.createDerived(utils.copyArray(lastSelector.elements));\n            } else {\n                newJoinedSelector = originalSelector.createDerived([]);\n            }\n            if (addPath.length > 0) {\n                //\n                /deep/ is a CSS4 selector - (removed, so should deprecate)\n                // that is valid without anything in front of it\n                // so if the & does not have a combinator that is \"\" or \" \" then\n                // and there is a combinator on\n                the parent, then grab that.\n                // this also allows + a & .b { .a & { ... though not sure why you would want\n                to do that\n                let combinator = replacedElement.combinator;\n                const parentEl =\n                addPath[0].elements[0];\n                if (combinator.emptyOrWhitespace && !parentEl.combinator.emptyOrWhitespace) {\n                    combinator = parentEl.combinator;\n                }\n                // join the elements so far with the first part of the\n                parent\n                newJoinedSelector.elements.push(new Element(\n                    combinator,\n                    parentEl.value,\n                    replacedElement.isVariable,\n                    replacedElement._index,\n                    replacedElement._fileInfo\n                ));\n                newJoinedSelector.elements =\n                newJoinedSelector.elements.concat(addPath[0].elements.slice(1));\n            }\n            // now add the joined\n            selector - but only if it is not empty\n            if (newJoinedSelector.elements.length !== 0) {\n                newSelectorPath.push(newJoinedSelector);\n            }\n            // put together the parent selectors after the join\n            (e.g. the rest of the parent)\n            if (addPath.length\n            > 1) {\n                let restOfPath = addPath.slice(1);\n                restOfPath = restOfPath.map(function (selector) {\n                    return selector.createDerived(selector.elements, []);\n                });\n                newSelectorPath =\n                newSelectorPath.concat(restOfPath);\n            }\n            return newSelectorPath;\n        }\n        // joins selector\n        path from `beginningPath` with every selector path in `addPaths` array\n        // `replacedElement` contains element\n        that is being replaced by `addPath`\n        // returns array with all concatenated paths\n        function\n        addAllReplacementsIntoPath( beginningPath, addPaths, replacedElement, originalSelector, result) {\n            let j;\n            for (j = 0; j < beginningPath.length; j++) {\n                const newSelectorPath =\n                addReplacementIntoPath(beginningPath[j], addPaths, replacedElement, originalSelector);\n                result.push(newSelectorPath);\n            }\n            return\n            result;\n        }\n        function mergeElementsOnToSelectors(elements, selectors) {\n            let i, sel;\n            if\n            (elements.length === 0) {\n                return ;\n            }\n            if (selectors.length === 0) {\n                selectors.push([ new Selector(elements) ]);\n                return;\n            }\n            for (i = 0; (sel = selectors[i]);\n            i++) {\n                // if the previous thing in sel is a parent this needs to join on to it\n                if (sel.length > 0) {\n
```



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        sel[sel.length - 1] = sel[sel.length - 1].createDerived(sel[sel.length - 1].elements.concat(elements));\n
    }\n        else {\n            sel.push(new Selector(elements));\n        }\n    }\n}\n\n //
replace all parent selectors inside `inSelector` by content of `context` array\n // resulting selectors are returned
inside `paths` array\n // returns true if `inSelector`
contained at least one parent selector\n function replaceParentSelector(paths, context, inSelector) {\n //
The paths are [[Selector]]\n // The first list is a list of comma separated selectors\n // The inner list is a
list of inheritance separated selectors\n // e.g.\n // .a, .b {\n // .c {\n // }\n // }\n
// == [[.a] [.c]] [[.b] [.c]]\n //\n let i, j, k, currentElements, newSelectors, selectorsMultiplied, sel,
el, hadParentSelector = false, length, lastSelector;\n function findNestedSelector(element) {\n let
maybeSelector;\n if (!(element.value instanceof Paren)) {\n return null;\n }\n\n
maybeSelector = element.value.value;\n if (!(maybeSelector instanceof Selector)) {\n return
null;\n }\n\n return maybeSelector;\n
}\n\n // the elements from the current selector so far\n currentElements = [];\n // the
current list of new selectors to add to the path.\n // We will build it up. We initiate it with one empty selector
as we \"multiply\" the new selectors\n // by the parents\n newSelectors = [\n []\n ];\n\n
for (i = 0; (el = inSelector.elements[i]); i++) {\n // non parent reference elements just get added\n
if (el.value !== '&') {\n const nestedSelector = findNestedSelector(el);\n if
(nestedSelector !== null) {\n // merge the current list of non parent selector elements\n //
on to the current list of selectors to add\n mergeElementsOnToSelectors(currentElements,
newSelectors);\n\n const nestedPaths = [];\n
let replaced;\n const replacedNewSelectors = [];\n replaced =
replaceParentSelector(nestedPaths, context, nestedSelector);\n hadParentSelector = hadParentSelector
|| replaced;\n // the nestedPaths array should have only one member - replaceParentSelector does not
multiply selectors\n for (k = 0; k < nestedPaths.length; k++) {\n const
replacementSelector = createSelector(createParenthesis(nestedPaths[k], el), el);\n
addAllReplacementsIntoPath(newSelectors, [replacementSelector], el, inSelector, replacedNewSelectors);\n
}\n newSelectors = replacedNewSelectors;\n currentElements = [];\n }
else {\n currentElements.push(el);\n }\n\n } else {\n
hadParentSelector
= true;\n // the new list of selectors to add\n selectorsMultiplied = [];\n\n //
merge the current list of non parent selector elements\n // on to the current list of selectors to add\n
mergeElementsOnToSelectors(currentElements, newSelectors);\n // loop through our current
selectors\n for (j = 0; j < newSelectors.length; j++) {\n sel = newSelectors[j];\n
// if we don't have any parent paths, the & might be in a mixin so that it can be used\n // whether
there are parents or not\n if (context.length === 0) {\n // the combinator used on el
should now be applied to the next element instead so that\n // it is not lost\n if
(sel.length > 0) {\n sel[0].elements.push(new
Element(el.combinator, \" , el.isVariable, el._index, el._fileInfo));\n }\n
selectorsMultiplied.push(sel);\n }\n else {\n // and the parent
selectors\n for (k = 0; k < context.length; k++) {\n // We need to put the current
selectors\n // then join the last selector's elements on to the parents selectors\n
const newSelectorPath = addReplacementIntoPath(sel, context[k], el, inSelector);\n // add that to
our new set of selectors\n selectorsMultiplied.push(newSelectorPath);\n }\n
}\n }\n\n // our new selectors has been multiplied, so reset the state\n
newSelectors
= selectorsMultiplied;\n currentElements = [];\n }\n }\n\n // if we have any
elements left over (e.g. .a&.b == .b)\n // add them on to all the current selectors\n
mergeElementsOnToSelectors(currentElements, newSelectors);\n\n for (i = 0; i < newSelectors.length; i++)

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    length = newSelectors[i].length;\n        if (length > 0) {\n
paths.push(newSelectors[i]);\n        lastSelector = newSelectors[i][length - 1];\n
newSelectors[i][length - 1] = lastSelector.createDerived(lastSelector.elements, inSelector.extendList);\n
}\n    }\n\n    return hadParentSelector;\n    }\n\n    function deriveSelector(visibilityInfo, deriveFrom)\n
{\n        const newSelector = deriveFrom.createDerived(deriveFrom.elements, deriveFrom.extendList,\n
deriveFrom.evaldCondition);\n        newSelector.copyVisibilityInfo(visibilityInfo);\n
        return newSelector;\n    }\n\n    // joinSelector code follows\n    let i, newPaths,\n
hadParentSelector;\n\n    newPaths = [];\n    hadParentSelector = replaceParentSelector(newPaths, context,\n
selector);\n\n    if (!hadParentSelector) {\n        if (context.length > 0) {\n            newPaths = [];\n
for (i = 0; i < context.length; i++) {\n                const concatenated = context[i].map(deriveSelector.bind(this,\n
selector.visibilityInfo));\n                concatenated.push(selector);\n
newPaths.push(concatenated);\n            }\n        }\n        else {\n            newPaths = [[selector]];\n
}\n    }\n\n    for (i = 0; i < newPaths.length; i++) {\n        paths.push(newPaths[i]);\n    }\n\n
}\n\nexport default Ruleset;\n", "import Node from './node';\nimport Selector from './selector';\nimport Ruleset\n
from './ruleset';\nimport\n
Anonymous from './anonymous';\n\nconst AtRule = function(\n    name,\n    value,\n    rules,\n    index,\n
currentFileInfo,\n    debugInfo,\n    isRooted,\n    visibilityInfo)\n
{\n    let i;\n\n    this.name = name;\n    this.value\n
= (value instanceof Node) ? value : (value ? new Anonymous(value) : value);\n    if (rules) {\n        if\n
(Array.isArray(rules)) {\n            this.rules = rules;\n        } else {\n            this.rules = [rules];\n
}\n\n    this.rules[0].selectors = (new Selector([], null, null, index, currentFileInfo)).createEmptySelectors();\n
}\n\n    for (i = 0; i < this.rules.length; i++) {\n        this.rules[i].allowImports = true;\n    }\n\n
this.setParent(this.rules, this);\n    }\n\n    this._index = index;\n    this._fileInfo = currentFileInfo;\n
this.debugInfo =\n
debugInfo;\n    this.isRooted = isRooted || false;\n    this.copyVisibilityInfo(visibilityInfo);\n    this.allowRoot =\n
true;\n\n}\n\nAtRule.prototype = Object.assign(new\n
Node(), {\n    type: 'AtRule',\n    accept(visitor) {\n        const value = this.value, rules = this.rules;\n        if (rules)\n
{\n            this.rules = visitor.visitArray(rules);\n        }\n        if (value) {\n            this.value =\n
visitor.visit(value);\n        }\n    },\n\n    isRulesetLike() {\n        return this.rules || !this.isCharset();\n
},\n\n    isCharset() {\n        return\n
'@charset' === this.name;\n    },\n\n    genCSS(context, output) {\n        const value = this.value, rules =\n
this.rules;\n\n        output.add(this.name, this.fileInfo(), this.getIndex());\n        if (value) {\n            output.add(' ');\n
value.genCSS(context, output);\n        }\n        if (rules) {\n            this.outputRuleset(context, output,\n
rules);\n        }\n        else {\n            output.add(';');\n        }\n    },\n\n    eval(context) {\n        let\n
mediaPathBackup, mediaBlocksBackup,\n
value = this.value, rules = this.rules;\n\n        // media stored inside\n
other atrule should not bubble over it\n        // backup media bubbling information\n        mediaPathBackup =\n
context.mediaPath;\n        mediaBlocksBackup = context.mediaBlocks;\n        // deleted media bubbling\n
information\n        context.mediaPath = [];\n        context.mediaBlocks = [];\n\n        if (value) {\n            value\n
= value.eval(context);\n        }\n        if (rules) {\n            // assuming that there is only one rule at this\n
point - that is\n
how parser constructs the rule\n            rules = [rules[0].eval(context)];\n            rules[0].root = true;\n        }\n        //\n
restore media bubbling information\n        context.mediaPath = mediaPathBackup;\n        context.mediaBlocks =\n
mediaBlocksBackup;\n\n        return new AtRule(this.name, value, rules,\n            this.getIndex(), this.fileInfo(),\n
this.debugInfo, this.isRooted, this.visibilityInfo);\n    },\n\n    variable(name) {\n        if (this.rules) {\n            //\n
assuming that there is only\n
one rule at this point - that is how parser constructs the rule\n            return\n
Ruleset.prototype.variable.call(this.rules[0], name);\n        }\n    },\n\n    find() {\n        if (this.rules) {\n            //\n
assuming that there is only one rule at this point - that is how parser constructs the rule\n            return\n
Ruleset.prototype.find.apply(this.rules[0], arguments);\n        }\n    },\n\n    rulesets() {\n        if (this.rules) {\n            //\n
assuming that there is only one rule at this point - that is how parser constructs the rule\n            return\n
Ruleset.prototype.rulesets.apply(this.rules[0]);\n        }\n    },\n\n    outputRuleset(context, output, rules) {\n
const ruleCnt = rules.length;\n        let i;\n        context.tabLevel = (context.tabLevel | 0) + 1;\n        //

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Compressed\n    if (context.compress) {\n        output.add('{');\n        for (i = 0; i < ruleCnt; i++) {\n            rules[i].genCSS(context, output);\n        }\n        output.add('');\n        context.tabLevel--;\n        return;\n    }\n    // Non-compressed\n    const tabSetStr = `\\n${Array(context.tabLevel).join(' ')}`, tabRuleStr = `${tabSetStr}`;\n    if (!ruleCnt) {\n        output.add(`${tabSetStr}`);\n    } else {\n        output.add(`${tabRuleStr}`);\n        rules[0].genCSS(context, output);\n        for (i = 1; i < ruleCnt; i++) {\n            output.add(tabRuleStr);\n            rules[i].genCSS(context, output);\n        }\n        output.add(`${tabSetStr}`);\n    }\n}\ncontext.tabLevel--;\n}\n}\n\nexport default AtRule;\n", "import Node from './node';\nimport contexts from './contexts';\nimport * as utils from './utils';\n\nconst DetachedRuleSet = function(ruleSet, frames) {\n    this.ruleSet = ruleSet;\n    this.frames = frames;\n    this.setParent(this.ruleSet, this);\n};\n\nDetachedRuleSet.prototype = Object.assign(new Node(), {\n    type: 'DetachedRuleSet',\n    evalFirst: true,\n\n    accept(visitor) {\n        this.ruleSet = visitor.visit(this.ruleSet);\n    },\n\n    eval(context) {\n        const frames = this.frames || utils.copyArray(context.frames);\n        return new DetachedRuleSet(this.ruleSet, frames);\n    },\n\n    callEval(context) {\n        return this.ruleSet.eval(this.frames ? new contexts.Eval(context, this.frames.concat(context.frames)) : context);\n    }\n});\n\nexport default DetachedRuleSet;\n", "import Node from './node';\nimport unitConversions from './data/unit-conversions';\nimport * as utils from './utils';\n\nconst Unit = function(numerator, denominator, backupUnit) {\n    this.numerator = numerator ? utils.copyArray(numerator).sort() : [];\n    this.denominator = denominator ? utils.copyArray(denominator).sort() : [];\n    if (backupUnit) {\n        this.backupUnit = backupUnit;\n    } else if (numerator && numerator.length) {\n        this.backupUnit = numerator[0];\n    }\n};\n\nUnit.prototype = Object.assign(new Node(), {\n    type: 'Unit',\n\n    clone() {\n        return new Unit(utils.copyArray(this.numerator), utils.copyArray(this.denominator), this.backupUnit);\n    },\n\n    genCSS(context, output) {\n        // Dimension checks the unit is singular and throws an error if in strict math mode.\n        const strictUnits = context && context.strictUnits;\n        if (this.numerator.length === 1) {\n            output.add(this.numerator[0]); // the ideal situation\n        } else if (!strictUnits && this.backupUnit) {\n            output.add(this.backupUnit);\n        } else if (!strictUnits && this.denominator.length) {\n            output.add(this.denominator[0]);\n        }\n    },\n\n    toString() {\n        let i, returnStr = this.numerator.join('*');\n        for (i = 0; i < this.denominator.length; i++) {\n            returnStr += `/${this.denominator[i]}`;\n        }\n        return returnStr;\n    },\n\n    compare(other) {\n        return this.is(other.toString()) ? 0 : undefined;\n    },\n\n    is(unitString) {\n        return this.toString().toUpperCase() === unitString.toUpperCase();\n    },\n\n    isLength() {\n        return RegExp('(^(px|em|ex|ch|rem|in|cm|mm|pc|pt|ex|vw|vh|vmin|vmax)$', 'gi').test(this.toCSS());\n    },\n\n    isEmpty() {\n        return this.numerator.length === 0 && this.denominator.length === 0;\n    },\n\n    isSingular() {\n        return this.numerator.length <= 1 && this.denominator.length === 0;\n    },\n\n    map(callback) {\n        let i;\n        for (i = 0; i < this.numerator.length; i++) {\n            this.numerator[i] = callback(this.numerator[i], false);\n        }\n        for (i = 0; i < this.denominator.length; i++) {\n            this.denominator[i] = callback(this.denominator[i], true);\n        }\n    },\n\n    usedUnits() {\n        let group;\n        const result = {};\n        let mapUnit;\n        let groupName;\n\n        mapUnit = function(atomicUnit) {\n            /* jshint loopfunc:true */\n            if (group.hasOwnProperty(atomicUnit) && !result[groupName]) {\n                result[groupName] = atomicUnit;\n            }\n            return atomicUnit;\n        };\n        for (groupName in unitConversions) {\n            if (unitConversions.hasOwnProperty(groupName)) {\n                group = unitConversions[groupName];\n                this.map(mapUnit);\n            }\n        }\n        return result;\n    },\n\n    cancel() {\n        const counter = {};\n        let atomicUnit;\n        let i;\n        for (i = 0; i < this.numerator.length; i++) {\n            atomicUnit = this.numerator[i];\n            counter[atomicUnit] = (counter[atomicUnit] || 0) + 1;\n        }\n        for (i = 0; i < this.denominator.length; i++) {\n            atomicUnit = this.denominator[i];\n            counter[atomicUnit] = (counter[atomicUnit] || 0) - 1;\n        }\n        this.numerator = [];\n        this.denominator = [];\n    }\n});

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    for (atomicUnit in counter) {\n        if (counter.hasOwnProperty(atomicUnit)) {\n            const count =
counter[atomicUnit];\n            if (count > 0) {\n                for (i = 0; i < count; i++) {\n
this.numerator.push(atomicUnit);\n                }\n            } else if (count < 0) {\n                for (i = 0; i < -
count; i++) {\n                    this.denominator.push(atomicUnit);\n                }\n            }\n        }\n    }\n    this.numerator.sort();\n    this.denominator.sort();\n    });\n\nexport default Unit;\n", "import Node
from './node';\nimport unitConversions from './data/unit-conversions';\nimport Unit from './unit';\nimport Color
from './color';\n\n/\n A number with a unit\n/\nconst Dimension = function(value, unit) {\n    this.value =
parseFloat(value);\n    if (isNaN(this.value)) {\n        throw new Error('Dimension is not a number.);\n    }\n
this.unit
= (unit && unit instanceof Unit) ? unit : new Unit(unit ? [unit] : undefined);\n    this.setParent(this.unit,
this);\n};\n\nDimension.prototype = Object.assign(new Node(), {\n    type: 'Dimension',\n\n    accept(visitor) {\n
this.unit = visitor.visit(this.unit);\n    },\n\n    eval(context) {\n        return this;\n    },\n\n    toColor() {\n        return
new Color([this.value, this.value, this.value]);\n    },\n\n    genCSS(context, output) {\n        if ((context &&
context.strictUnits) && !this.unit.isSingular()) {\n            throw new Error('Multiple units in dimension. Correct the
units or use the unit function. Bad unit: ${this.unit.toString()}');\n        }\n        const value = this.fround(context,
this.value);\n        let strValue = String(value);\n        if (value !== 0 && value < 0.000001 && value > -0.000001)
{\n            // would be output 1e-6 etc.\n            strValue = value.toFixed(20).replace(/0+$/, '');\n        }\n        if
(context
&& context.compress) {\n            // Zero values doesn't need a unit\n            if (value === 0 &&
this.unit.isLength()) {\n                output.add(strValue);\n                return;\n            }\n            // Float values
doesn't need a leading zero\n            if (value > 0 && value < 1) {\n                strValue = (strValue).substr(1);\n            }\n        }\n        output.add(strValue);\n        this.unit.genCSS(context, output);\n    },\n\n    // In an operation
between two Dimensions,\n    // we default to the first Dimension's unit,\n    // so `1px + 2` will yield `3px`.\n    operate(context, op, other) {\n        /* jshint noempty:false */\n        let value = this._operate(context, op, this.value,
other.value);\n        let unit = this.unit.clone();\n        if (op === '+' || op === '-') {\n            if (unit.numerator.length
=== 0 && unit.denominator.length === 0) {\n                unit = other.unit.clone();\n            }\n            if
(this.unit.backupUnit)
{\n                unit.backupUnit = this.unit.backupUnit;\n            }\n        } else if (other.unit.numerator.length
=== 0 && unit.denominator.length === 0) {\n            // do nothing\n        } else {\n            other =
other.convertTo(this.unit.usedUnits());\n            if (context.strictUnits && other.unit.toString() !==
unit.toString()) {\n                throw new Error('Incompatible units. Change the units or use the unit function. '\n
+ `Bad units: '${unit.toString()}' and '${other.unit.toString()}'.);\n            }\n            value =
this._operate(context, op, this.value, other.value);\n        } else if (op === '*') {\n            unit.numerator =
unit.numerator.concat(other.unit.numerator).sort();\n            unit.denominator =
unit.denominator.concat(other.unit.denominator).sort();\n            unit.cancel();\n        } else if (op === '/') {\n
unit.numerator = unit.numerator.concat(other.unit.denominator).sort();\n
            unit.denominator = unit.denominator.concat(other.unit.numerator).sort();\n            unit.cancel();\n        }\n
return new Dimension(value, unit);\n    },\n\n    compare(other) {\n        let a, b;\n        if (!(other instanceof
Dimension)) {\n            return undefined;\n        }\n        if (this.unit.isEmpty() || other.unit.isEmpty()) {\n            a
= this;\n            b = other;\n        } else {\n            a = this.unify();\n            b = other.unify();\n            if
(a.unit.compare(b.unit) !== 0) {\n                return undefined;\n            }\n        }\n        return
Node.numericCompare(a.value, b.value);\n    },\n\n    unify() {\n        return this.convertTo({ length: 'px', duration:
's', angle: 'rad' });\n    },\n\n    convertTo(conversions) {\n        let value = this.value;\n        const unit =
this.unit.clone();\n        let i;\n        let groupName;\n        let group;\n
        let targetUnit;\n        let derivedConversions = {};\n        let applyUnit;\n        if (typeof conversions ===
'string') {\n            for (i in unitConversions) {\n                if (unitConversions[i].hasOwnProperty(conversions)) {\n
                    derivedConversions = {};\n                    derivedConversions[i] = conversions;\n                }\n            }\n
            conversions = derivedConversions;\n        }\n        applyUnit = function (atomicUnit, denominator) {\n            /*

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jshint loopfunc:true *\n      if (group.hasOwnProperty(atomicUnit)) {\n          if (denominator) {\n
value = value / (group[atomicUnit] / group[targetUnit]);\n          } else {\n          value = value *
(group[atomicUnit] / group[targetUnit]);\n          }\n          return targetUnit;\n          }\n          return
atomicUnit;\n      };\n      for (groupName in conversions) {\n          if
(conversions.hasOwnProperty(groupName))
{\n          targetUnit = conversions[groupName];\n          group = unitConversions[groupName];\n          unit.map(applyUnit);\n          }\n          }\n          unit.cancel();\n          return new Dimension(value, unit);\n
});\n\nexport default Dimension;\n", "import Node from './node';\nimport Color from './color';\nimport Dimension
from './dimension';\nimport * as Constants from './constants';\nconst MATH = Constants.Math;\n\nconst
Operation = function(op, operands, isSpaced) {\n    this.op = op.trim();\n    this.operands = operands;\n
this.isSpaced = isSpaced;\n};\n\nOperation.prototype = Object.assign(new Node(), {\n    type: 'Operation',\n\n
accept(visitor) {\n    this.operands = visitor.visitArray(this.operands);\n    },\n\n    eval(context) {\n    let a =
this.operands[0].eval(context), b = this.operands[1].eval(context), op;\n    if (context.isMathOn(this.op)) {\n
op = this.op === '/'
? '/' : this.op;\n    if (a instanceof Dimension && b instanceof Color) {\n    a = a.toColor();\n    }\n
if (b instanceof Dimension && a instanceof Color) {\n    b = b.toColor();\n    }\n    if
(!a.operate || !b.operate) {\n    if (\n    (a instanceof Operation || b instanceof Operation)\n
&& a.op === '/' && context.math === MATH.PARENS_DIVISION\n    ) {\n    return new
Operation(this.op, [a, b], this.isSpaced);\n    }\n    throw { type: 'Operation',\n    message:
'Operation on an invalid type' };\n    }\n    return a.operate(context, op, b);\n    } else {\n    return
new Operation(this.op, [a, b], this.isSpaced);\n    }\n    },\n\n    genCSS(context, output) {\n
this.operands[0].genCSS(context, output);\n    if (this.isSpaced) {\n    output.add(' ');\n
}\n    output.add(this.op);\n    if (this.isSpaced) {\n    output.add(' ');\n    }\n
this.operands[1].genCSS(context, output);\n    });\n\nexport default Operation;\n", "import Node from
'./node';\nimport Paren from './paren';\nimport Comment from './comment';\nimport Dimension from
'./dimension';\n\nconst Expression = function(value, noSpacing) {\n    this.value = value;\n    this.noSpacing =
noSpacing;\n    if (!value) {\n    throw new Error('Expression requires an array parameter');\n
}\n};\n\nExpression.prototype = Object.assign(new Node(), {\n    type: 'Expression',\n\n
accept(visitor) {\n    this.value = visitor.visitArray(this.value);\n    },\n\n    eval(context) {\n    let returnValue;\n    const mathOn =
context.isMathOn();\n    const inParenthesis = this.parens;\n    let doubleParen = false;\n    if
(inParenthesis) {\n    context.inParenthesis();\n    }\n    if (this.value.length > 1) {\n
returnValue = new Expression(this.value.map(function (e) {\n    if (!e.eval) {\n    return e;\n
}\n    return e.eval(context);\n    }), this.noSpacing);\n    } else if (this.value.length === 1)
{\n    if (this.value[0].parens && !this.value[0].parensInOp && !context.inCalc) {\n    doubleParen =
true;\n    }\n    returnValue = this.value[0].eval(context);\n    } else {\n    returnValue = this;\n
}\n    if (inParenthesis) {\n    context.outOfParenthesis();\n    }\n    if (this.parens && this.parensInOp
&& !mathOn && !doubleParen \n    && !(returnValue instanceof Dimension)) {\n    returnValue = new
Paren(returnValue);\n    }\n    return returnValue;\n    },\n\n    genCSS(context, output) {\n    for (let i = 0; i <
this.value.length; i++) {\n    this.value[i].genCSS(context, output);\n    if
(!this.noSpacing && i + 1 < this.value.length) {\n    output.add(' ');\n    }\n    },\n\n
throwAwayComments() {\n    this.value = this.value.filter(function(v) {\n    return !(v instanceof
Comment);\n    });\n    });\n\nexport default Expression;\n", "import Expression from
'./tree/expression';\n\nconst functionCaller = function(name, context, index, currentFileInfo) {\n
this.name = name.toLowerCase();\n    this.index = index;\n    this.context = context;\n    this.currentFileInfo
= currentFileInfo;\n\n    this.func = context.frames[0].functionRegistry.get(this.name);\n    }\n\n    isValid() {\n
return Boolean(this.func);\n    }\n\n    call(args) {\n    if (!(Array.isArray(args))) {\n    args = [args];\n
}\n    const evalArgs = this.func.evalArgs;\n    if (evalArgs !== false) {\n    args = args.map(a =>
a.eval(this.context));\n    }\n    const commentFilter

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= item => !(item.type === 'Comment');\n\n // This code is terrible and should be replaced as per this issue...\n
// https://github.com/less/less.js/issues/2477\n args = args\n .filter(commentFilter)\n .map(item
=> {\n if (item.type === 'Expression') {\n const subNodes = item.value.filter(commentFilter);\n
if (subNodes.length === 1) {\n // https://github.com/less/less.js/issues/3616\n
if (item.parens && subNodes[0].op === '/') {\n return item;\n }\n
return subNodes[0];\n } else {\n return new Expression(subNodes);\n }\n
}\n return item;\n });\n\n if (evalArgs === false) {\n return this.func(this.context,
...args);\n }\n\n return this.func(...args);\n
}\n}\n\nexport default functionCaller;\n", "/*!

```

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```

*/\r\n*/ global Reflect, Promise *\r\n\r\nvar extendStatics = function(d, b) {\r\n extendStatics
= Object.setPrototypeOf ||\r\n ({ __proto__: [] } instanceof Array && function (d, b) { d.__proto__ = b; }) ||\r\n
function (d, b) { for (var p in b) if (Object.prototype.hasOwnProperty.call(b, p)) d[p] = b[p]; }; \r\n return
extendStatics(d, b);\r\n};\r\n\r\nexport function __extends(d, b) {\r\n if (typeof b !== \"function\" && b !==
null)\r\n throw new TypeError(\"Class extends value \" + String(b) + \" is not a constructor or null\");\r\n
extendStatics(d, b);\r\n function __() { this.constructor = d; }\r\n d.prototype = b === null ? Object.create(b) :
(__.prototype = b.prototype, new ());\r\n}\r\n\r\nexport var __assign = function() {\r\n __assign = Object.assign
|| function __assign(t) {\r\n for (var s, i = 1, n = arguments.length; i < n; i++) {\r\n s = arguments[i];\r\n
for (var p in s) if (Object.prototype.hasOwnProperty.call(s, p)) t[p] = s[p];\r\n }\r\n return t;\r\n }\r\n
return __assign.apply(this,
arguments);\r\n}\r\n\r\nexport function __rest(s, e) {\r\n var t = {};\r\n for (var p in s) if
(Object.prototype.hasOwnProperty.call(s, p) && e.indexOf(p) < 0)\r\n t[p] = s[p];\r\n if (s != null && typeof
Object.getOwnPropertySymbols === \"function\")\r\n for (var i = 0, p = Object.getOwnPropertySymbols(s); i <
p.length; i++) {\r\n if (e.indexOf(p[i]) < 0 && Object.prototype.propertyIsEnumerable.call(s, p[i]))\r\n
t[p[i]] = s[p[i];\r\n }\r\n return t;\r\n}\r\n\r\nexport function __decorate(decorators, target, key, desc) {\r\n
var c = arguments.length, r = c < 3 ? target : desc === null ? desc = Object.getOwnPropertyDescriptor(target, key) :
desc, d;\r\n if (typeof Reflect === \"object\" && typeof Reflect.decorate === \"function\") r =
Reflect.decorate(decorators, target, key, desc);\r\n else for (var i = decorators.length - 1; i >= 0; i--) if (d =
decorators[i]) r = (c < 3 ? d(r) : c > 3 ? d(target, key,
r) : d(target, key)) || r;\r\n return c > 3 && r && Object.defineProperty(target, key, r, r);\r\n}\r\n\r\nexport
function __param(paramIndex, decorator) {\r\n return function (target, key) { decorator(target, key, paramIndex);
}\r\n}\r\n\r\nexport function __metadata(metadataKey, metadataValue) {\r\n if (typeof Reflect === \"object\" &&
typeof Reflect.metadata === \"function\") return Reflect.metadata(metadataKey, metadataValue);\r\n}\r\n\r\nexport
function __awaiter(thisArg, _arguments, P, generator) {\r\n function adopt(value) { return value instanceof P ?
value : new P(function (resolve) { resolve(value); }); }\r\n return new (P || (P = Promise))(function (resolve, reject)
{\r\n function fulfilled(value) { try { step(generator.next(value)); } catch (e) { reject(e); } }\r\n function
rejected(value) { try { step(generator[\"throw\"](value)); } catch (e) { reject(e); } }\r\n function step(result) {
result.done ? resolve(result.value) : adopt(result.value).then(fulfilled,

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rejected); }
step((generator = generator.apply(thisArg, _arguments || [])).next()); }
}
}

function __generator(thisArg, body) {
  var _ = { label: 0, sent: function() { if (t[0] & 1) throw t[1]; return t[1]; },
  trys: [], ops: [] }, f, y, t, g;
  return g = { next: verb(0), "throw": verb(1), "return": verb(2) }, typeof Symbol
=== "function" && (g[Symbol.iterator] = function() { return this; });
  function verb(n) { return function (v) { return step([n, v]); }; }
  function step(op) {
    if (f) throw new TypeError("Generator is already
executing.");
    while (_ try {
      if (f = 1, y && (t = op[0] & 2 ? y["return"] : op[0] ? y["throw"] ||
((t = y["return"]) && t.call(y, 0) : y.next) && !(t = t.call(y, op[1])).done) return t;
      if (y = 0, t) op = [op[0] & 2, t.value];
      switch (op[0]) {
        case 0: case 1: t = op; break;
        case 4: _label++; return { value: op[1], done: false };
        case 5: _label++; y = op[1]; op = [0];
continue;
        case 7: op = _ops.pop(); _trys.pop(); continue;
        default:
          if (!(t =
_trys, t = t.length > 0 && t[t.length - 1]) && (op[0] === 6 || op[0] === 2)) { _ = 0; continue; }
          if (op[0] === 3 && !(t || (op[1] > t[0] && op[1] < t[3]))) { _label = op[1]; break; }
          if (op[0] === 6 &&
_label < t[1]) { _label = t[1]; t = op; break; }
          if (t && _label < t[2]) { _label = t[2]; _ops.push(op);
break; }
          if (t[2]) _ops.pop();
_trys.pop(); continue; } }
        op =
body.call(thisArg, _); }
      catch (e) { op = [6, e]; y = 0; }
      finally { f = t = 0; }
      if (op[0] & 5) throw
op[1]; return { value: op[0] ? op[1] : void 0, done: true }; } } }

var __createBinding = Object.create ? (function(o, m, k, k2) {
  if (k2 === undefined) k2 = k;
  Object.defineProperty(o, k2, { enumerable: true, get: function() { return m[k]; } });
}) : (function(o, m, k, k2) {
  if (k2 === undefined) k2 = k;
  o[k2] = m[k];
});
function __exportStar(m, o) {
  for (var p in m) if (p !== "default" && !Object.prototype.hasOwnProperty.call(o, p))
__createBinding(o, m, p);
}
function __values(o) {
  var s = typeof Symbol === "function" && Symbol.iterator, m =
s && o[s], i = 0;
  if (m) return m.call(o);
  if (o && typeof o.length === "number") return {
    next: function () {
      if (o && i >= o.length) o = void 0;
      return { value: o && o[i++], done: !o }; }
  };
  throw new TypeError(s ? "Object is not iterable." : "Symbol.iterator is not
defined.");
}
function __read(o, n) {
  var m =
typeof Symbol === "function" && o[Symbol.iterator];
  if (!m) return o;
  var i = m.call(o), r, ar = [],
e;
  try {
    while ((n === void 0 || n-- > 0) && !(r = i.next()).done) ar.push(r.value);
  } catch
(error) { e = { error: error }; }
  finally {
    try {
      if (r && !r.done && (m = i["return"]))
m.call(i);
    } finally { if (e) throw e.error; }
  }
  return ar;
}
/** @deprecated
*/
function __spread() {
  for (var ar = [], i = 0; i < arguments.length; i++) ar =
ar.concat(__read(arguments[i]));
  return ar;
}
/** @deprecated
*/
function __spreadArrays() {
  for (var s = 0, i = 0, il = arguments.length; i < il; i++) s += arguments[i].length;
  for (var r = Array(s), k = 0, i = 0; i < il; i++)
    for (var a = arguments[i], j = 0, jl = a.length; j < jl; j++, k++) r[k] = a[j];
  return r;
}
function __spreadArray(to, from, pack) {
  if (pack || arguments.length === 2) for (var i = 0, l = from.length, ar;
i < l; i++) {
    if (ar != null) (i in from) ? ar[i] = from[i] : ar[i] = from[i];
    else ar = from.slice.call(from, 0, i);
  }
  return to.concat(ar || from);
}
function __await(v) {
  return this
instanceof __await ? (this.v = v, this) : new __await(v);
}
function __asyncGenerator(thisArg,
_arguments, generator) {
  if (!Symbol.asyncIterator) throw new TypeError("Symbol.asyncIterator is not
defined.");
  var g = generator.apply(thisArg, _arguments || []), i, q = [];
  return i = { }, verb("next"),
verb("throw"), verb("return"), i[Symbol.asyncIterator] = function () { return this; }, i;
  function verb(n) {
    if (g[n]) i[n] = function (v) { return new Promise(function (a, b) { q.push([n, v, a, b]) > 1 ||
resume(n, v); }); }; }
  function
resume(n, v) {
    try { step(g[n](v)); } catch (e) { settle(q[0][3], e); }
    function step(r) { r.value instanceof
__await ? Promise.resolve(r.value.v).then(fulfill, reject) : settle(q[0][2], r); }
    function fulfill(value) {
      resume("next", value); }
    function reject(value) {
      resume("throw", value); }
    function settle(f, v) {
      if (f(v), q.shift(), q.length) resume(q[0][0], q[0][1]); }
  }
}
function __asyncDelegator(o) {
  var i,
p;
  return i = { }, verb("next"), verb("throw"), function (e) { throw e; }, verb("return"),
i[Symbol.iterator] =

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function () { return this; }, i);
    function verb(n, f) { i[n] = o[n] ? function (v) { return (p = !p) ? { value:
    __await(o[n](v)), done: n === "return" } : f ? f(v) : v; } : f; }
}
export function __asyncValues(o) {
    if (!Symbol.asyncIterator) throw new TypeError("Symbol.asyncIterator is not defined.");
    var m = o[Symbol.asyncIterator], i;
    return m ? m.call(o) : (o = typeof __values === "function" ? __values(o) : o[Symbol.iterator](), i = {}, verb("next"), verb("throw"), verb("return"), i[Symbol.asyncIterator] = function () { return this; }, i);
    function verb(n) { i[n] = o[n] && function (v) { return new Promise(function (resolve, reject) { v = o[n](v), settle(resolve, reject, v.done, v.value); }); });
    function settle(resolve, reject, d, v) { Promise.resolve(v).then(function(v) { resolve({ value: v, done: d }); }, reject); }
}
export function __makeTemplateObject(cooked, raw) {
    if (Object.defineProperty) { Object.defineProperty(cooked, "raw", { value: raw }); } else { cooked.raw = raw; }
    return cooked;
};

var __setModuleDefault = Object.create ? (function(o, v) { Object.defineProperty(o, "default", { enumerable: true, value: v }); }) : function(o, v) { o["default"] = v; };
export function __importStar(mod) {
    if (mod && mod.__esModule) return mod;
    var result = {};
    if (mod != null) for (var k in mod) if (k !== "default" && Object.prototype.hasOwnProperty.call(mod, k)) __createBinding(result, mod, k);
    __setModuleDefault(result, mod);
    return result;
}
export function __importDefault(mod) { return (mod && mod.__esModule) ? mod : { default: mod }; }
export function __classPrivateFieldGet(receiver, state, kind, f) {
    if (kind === "a" && !f) throw new TypeError("Private accessor was defined without a getter");
    if (typeof state === "function" ? receiver !== state || !f : !state.has(receiver)) throw new TypeError("Cannot read private member from an object whose class did not declare it");
    return kind === "m" ? f : kind === "a" ? f.call(receiver) : f ? f.value : state.get(receiver);
}
export function __classPrivateFieldSet(receiver, state, value, kind, f) {
    if (kind === "m") throw new TypeError("Private method is not writable");
    if (kind === "a" && !f) throw new TypeError("Private accessor was defined without a setter");
    if (typeof state === "function" ? receiver !== state || !f : !state.has(receiver)) throw new TypeError("Cannot write private member to an object whose class did not declare it");
    return (kind === "a" ? f.call(receiver, value) : f ? f.value = value : state.set(receiver, value)), value;
}

import Node from './node';
import Anonymous from './anonymous';
import FunctionCaller from './functions/function-caller';

A function call node.

const Call = function(name, args, index, currentFileInfo) {
    this.name = name;
    this.args = args;
    this.calc = name === 'calc';
    this._index = index;
    this._fileInfo = currentFileInfo;
};

Call.prototype = Object.assign(new Node(), {
    type: 'Call',
    accept(visitor) {
        if (this.args) {
            this.args = visitor.visitArray(this.args);
        }
    },
    // When evaluating a function call, we either find the function in the functionRegistry, in which case we call it, passing the evaluated arguments, if this returns null or we cannot find the function, we simply print it out as it appeared originally [2].
    // The reason why we evaluate the arguments, is in the case where we try to pass a variable to a function, like: `saturate(@color)` The function should receive the value, not the variable.
    // eval(context) {
    //     /** Turn off math for calc(), and switch back on for evaluating nested functions */
    //     const currentMathContext = context.mathOn;
    //     context.mathOn = !this.calc;
    //     if (this.calc || context.inCalc) {
    //         context.enterCalc();
    //     }
    //     const exitCalc = () => {
    //         if (this.calc || context.inCalc) {
    //             context.exitCalc();
    //         }
    //         context.mathOn = currentMathContext;
    //     };
    //     let result;
    //     const funcCaller = new FunctionCaller(this.name, context, this.getIndex(), this.fileInfo());
    //     if (funcCaller.isValid()) {
    //         try {
    //             result = funcCaller.call(this.args);
    //         } catch (e) {
    //             if (e.hasOwnProperty('line') && e.hasOwnProperty('column')) {
    //                 throw e;
    //             }
    //             throw {
    //                 type: e.type || 'Runtime',
    //                 message: `Error evaluating function \`${this.name}\`: ${e.message ? `: ${e.message}` : ''}`,
    //                 index: this.getIndex(),
    //                 filename: this.fileInfo().filename,
    //                 line: e.lineNumber,
    //                 column: e.columnNumber
    //             };
    //         }
    //     }
    //     if (result !== null && result !== undefined) {
    //         // Results that are not nodes are cast as Anonymous
    
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nodes\n      // Falsy values or booleans are returned as empty nodes\n      if (!(result instanceof Node)) {\n
        if (!result || result === true) {\n          result = new Anonymous(null);\n        } else {\n
          result = new Anonymous(result.toString());\n        }\n        result._index =
this._index;\n        result._fileInfo = this._fileInfo;\n        return result;\n      }\n      const args =
this.args.map(a => a.eval(context));\n      exitCalc();\n      return new Call(this.name, args, this.getIndex(),
this.fileInfo());\n    },\n    genCSS(context, output) {\n      output.add(`${this.name}`, this.fileInfo(),
this.getIndex());\n      for (let i = 0; i < this.args.length; i++) {\n        this.args[i].genCSS(context, output);\n
        if (i + 1 < this.args.length) {\n          output.add(', ');\n        }\n      }\n      output.add(');\n    });\n  }\n}\n\nexport default Call;\n", "import Node from './node';\nimport Call from
'./call';\n\nconst Variable = function(name, index, currentFileInfo) {\n  this.name = name;\n  this._index =
index;\n  this._fileInfo = currentFileInfo;\n};\n\nVariable.prototype = Object.assign(new Node(), {\n  type:
'Variable',\n\n  eval(context) {\n    let variable, name = this.name;\n\n    if (name.indexOf('@') === 0) {\n
      name = `@${new Variable(name.slice(1), this.getIndex(), this.fileInfo()).eval(context).value}`;\n    }\n\n
if (this.evaluating) {\n      throw { type: 'Name',\n        message: `Recursive variable definition for
${name}`,\n        filename: this.fileInfo().filename,\n        index: this.getIndex() };\n    }\n\n
this.evaluating = true;\n\n    variable = this.find(context.frames, function (frame) {\n      const v =
frame.variable(name);\n      if (v) {\n
        if (v.important) {\n          const importantScope =
context.importantScope[context.importantScope.length - 1];\n          importantScope.important =
v.important;\n        }\n        // If in calc, wrap vars in a function call to cascade evaluate args first\n
if (context.inCalc) {\n          return (new Call('_SELF', [v.value])).eval(context);\n        } else {\n
          return v.value.eval(context);\n        }\n      }\n    });\n    if (variable) {\n
this.evaluating = false;\n    return variable;\n    } else {\n      throw { type: 'Name',\n        message:
`variable ${name} is undefined`,\n        filename: this.fileInfo().filename,\n        index: this.getIndex() };\n
    }\n  },\n\n  find(obj, fun) {\n    for (let i = 0, r; i < obj.length; i++) {\n      r = fun.call(obj, obj[i]);\n
      if (r) { return r; }\n    }\n    return null;\n  });\n}\n\nexport default Variable;\n", "import Node from
'./node';\nimport Declaration from './declaration';\n\nconst Property = function(name, index, currentFileInfo) {\n
  this.name = name;\n  this._index = index;\n  this._fileInfo = currentFileInfo;\n};\n\nProperty.prototype =
Object.assign(new Node(), {\n  type: 'Property',\n\n  eval(context) {\n    let property;\n    const name =
this.name;\n    // TODO: shorten this reference\n    const mergeRules =
context.pluginManager.less.visitors.ToCSSVisitor.prototype._mergeRules;\n\n    if (this.evaluating) {\n
      throw { type: 'Name',\n        message: `Recursive property reference for ${name}`,\n        filename:
this.fileInfo().filename,\n        index: this.getIndex() };\n    }\n\n    this.evaluating = true;\n\n    property
= this.find(context.frames, function (frame) {\n      let v;\n
      const vArr = frame.property(name);\n      if (vArr) {\n        for (let i = 0; i < vArr.length; i++) {\n
          v = vArr[i];\n          vArr[i] = new Declaration(v.name,\n            v.value,\n
            v.important,\n            v.merge,\n            v.index,\n            v.currentFileInfo,\n
            v.inline,\n            v.variable\n          );\n        }\n        mergeRules(vArr);\n        v =
vArr[vArr.length - 1];\n        if (v.important) {\n          const importantScope =
context.importantScope[context.importantScope.length - 1];\n          importantScope.important =
v.important;\n        }\n        v = v.value.eval(context);\n        return v;\n      }\n    });\n    if
(property) {\n      this.evaluating = false;\n      return property;\n    } else {\n      throw { type: 'Name',\n
        message: `Property '${name}' is undefined`,\n        filename: this.currentFileInfo.filename,\n        index: this.index };\n    }\n  },\n\n  find(obj, fun) {\n    for
(let i = 0, r; i < obj.length; i++) {\n      r = fun.call(obj, obj[i]);\n      if (r) { return r; }\n    }\n
    return null;\n  });\n}\n\nexport default Property;\n", "import Node from './node';\n\nconst Attribute = function(key, op,
value, cif) {\n  this.key = key;\n  this.op = op;\n  this.value = value;\n  this.cif = cif;\n};\n\nAttribute.prototype =
Object.assign(new Node(), {\n  type: 'Attribute',\n\n  eval(context) {\n    return new Attribute(\n

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this.key.eval ? this.key.eval(context) : this.key,\n      this.op,\n      (this.value && this.value.eval) ?
this.value.eval(context) : this.value,\n      this.cif\n    );\n  },\n\n  genCSS(context, output)
{\n  output.add(this.toCSS(context));\n  },\n\n  toCSS(context) {\n  let value = this.key.toCSS ?
this.key.toCSS(context) : this.key;\n\n  if (this.op) {\n    value += this.op;\n    value +=
(this.value.toCSS ? this.value.toCSS(context) : this.value);\n  }\n\n  if (this.cif) {\n    value = value + \"
\" + this.cif;\n  }\n\n  return `[${value}]`;\n  }\n});\n\nexport default Attribute;\n", "import Node from
'./node';\nimport Variable from './variable';\nimport Property from './property';\n\nconst Quoted = function(str,
content, escaped, index, currentFileInfo) {\n  this.escaped = (escaped == null) ? true : escaped;\n  this.value =
content || \"\";\n  this.quote = str.charAt(0);\n  this._index = index;\n  this._fileInfo = currentFileInfo;\n  this.variableRegex = /@\\{([\\w-]+)\\}/g;\n  this.propRegex = /^\\{([\\w-]+)\\}/g;\n  this.allowRoot =
escaped;\n};\n\nQuoted.prototype = Object.assign(new Node(),
{\n  type: 'Quoted',\n\n  genCSS(context, output) {\n    if (!this.escaped) {\n      output.add(this.quote,
this.fileInfo(), this.getIndex());\n    }\n    output.add(this.value);\n    if (!this.escaped) {\n      output.add(this.quote);\n    }\n  },\n\n  containsVariables() {\n    return
this.value.match(this.variableRegex);\n  },\n\n  eval(context) {\n    const that = this;\n    let value =
this.value;\n    const variableReplacement = function (_, name) {\n      const v = new Variable(`@${name}` ,
that.getIndex(), that.fileInfo()).eval(context, true);\n      return (v instanceof Quoted) ? v.value : v.toCSS();\n    };\n    const propertyReplacement = function (_, name) {\n      const v = new Property(`$${name}` ,
that.getIndex(), that.fileInfo()).eval(context, true);\n      return (v instanceof Quoted) ? v.value : v.toCSS();\n    };\n    function iterativeReplace(value, regexp, replacementFunc)
{\n      let evaluatedValue = value;\n      do {\n        value = evaluatedValue.toString();\n        evaluatedValue = value.replace(regexp, replacementFunc);\n      } while (value !== evaluatedValue);\n      return evaluatedValue;\n    }\n    value = iterativeReplace(value, this.variableRegex, variableReplacement);\n    value = iterativeReplace(value, this.propRegex, propertyReplacement);\n    return new Quoted(this.quote + value
+ this.quote, value, this.escaped, this.getIndex(), this.fileInfo());\n  },\n\n  compare(other) {\n    // when
comparing quoted strings allow the quote to differ\n    if (other.type === 'Quoted' && !this.escaped &&
!other.escaped) {\n      return Node.numericCompare(this.value, other.value);\n    } else {\n      return
other.toCSS() && this.toCSS() === other.toCSS() ? 0 : undefined;\n    }\n  }\n});\n\nexport default
Quoted;\n", "import Node from './node';\n\nfunction
escapePath(path) {\n  return path.replace(/[\\(\\)\\\"\\s]/g, function(match) { return `\\\\\\${match}`; });\n}\n\nconst
URL = function(val, index, currentFileInfo, isEvald) {\n  this.value = val;\n  this._index = index;\n  this._fileInfo
= currentFileInfo;\n  this.isEvald = isEvald;\n};\n\nURL.prototype = Object.assign(new Node(), {\n  type:
'Url',\n\n  accept(visitor) {\n    this.value = visitor.visit(this.value);\n  },\n\n  genCSS(context, output) {\n    output.add('url(');\n    this.value.genCSS(context, output);\n    output.add(')');\n  },\n\n  eval(context) {\n    const val = this.value.eval(context);\n    let rootpath;\n\n    if (!this.isEvald) {\n      // Add the rootpath if the
URL requires a rewrite\n      rootpath = this.fileInfo() && this.fileInfo().rootpath;\n      if (typeof rootpath
=== 'string' &&\n        typeof val.value === 'string' &&\n        context.pathRequiresRewrite(val.value)) {\n        if (!val.quote) {\n          rootpath = escapePath(rootpath);\n        }\n        val.value =
context.rewritePath(val.value, rootpath);\n      } else {\n        val.value =
context.normalizePath(val.value);\n      }\n\n      // Add url args if enabled\n      if (context.urlArgs) {\n        if (!val.value.match(/^\\s*data:/)) {\n          const delimiter = val.value.indexOf('?') === -1 ? '?' : '&';\n          const urlArgs = delimiter + context.urlArgs;\n          if (val.value.indexOf('#') !== -1) {\n            val.value = val.value.replace('#', `#${urlArgs}#`);\n          } else {\n            val.value += urlArgs;\n          }\n        }\n      }\n    }\n\n    return new URL(val, this.getIndex(), this.fileInfo(), true);\n  }\n});\n\nexport default URL;\n", "import Ruleset from './ruleset';\nimport Value from
'./value';\nimport Selector from './selector';\nimport Anonymous from './anonymous';\nimport Expression from
'./expression';\nimport AtRule from './atrule';\nimport * as utils from './utils';\n\nconst Media = function(value,

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features, index, currentFileInfo, visibilityInfo) {\n  this._index = index;\n  this._fileInfo = currentFileInfo;\n\n  const selectors = (new Selector([], null, null, this._index, this._fileInfo)).createEmptySelectors();\n  this.features = new Value(features);\n  this.rules = [new Ruleset(selectors, value)];\n  this.rules[0].allowImports = true;\n  this.copyVisibilityInfo(visibilityInfo);\n  this.allowRoot = true;\n  this.setParent(selectors, this);\n  this.setParent(this.features, this);\n  this.setParent(this.rules, this);\n\n  Media.prototype = Object.assign(new AtRule(), {\n    type: 'Media',\n    isRulesetLike() {\n      return true;\n    },\n    accept(visitor) {\n      if (this.features) {\n        this.features = visitor.visit(this.features);\n      }\n      if (this.rules) {\n        this.rules = visitor.visitArray(this.rules);\n      }\n    },\n    genCSS(context, output) {\n      output.add('@media ', this._fileInfo, this._index);\n      this.features.genCSS(context, output);\n      this.outputRuleset(context, output, this.rules);\n    },\n    eval(context) {\n      if (!context.mediaBlocks) {\n        context.mediaBlocks = [];\n        context.mediaPath = [];\n      }\n      const media = new Media(null, [], this._index, this._fileInfo, this.visibilityInfo);\n      if (this.debugInfo) {\n        this.rules[0].debugInfo = this.debugInfo;\n        media.debugInfo = this.debugInfo;\n      }\n      media.features = this.features.eval(context);\n      context.mediaPath.push(media);\n      context.mediaBlocks.push(media);\n      this.rules[0].functionRegistry = context.frames[0].functionRegistry.inherit();\n      context.frames.unshift(this.rules[0]);\n\n      media.rules = [this.rules[0].eval(context)];\n      context.frames.shift();\n      context.mediaPath.pop();\n\n      return context.mediaPath.length === 0 ? media.evalTop(context) :\n        media.evalNested(context);\n    },\n    evalTop(context) {\n      let result = this;\n      // Render all dependent Media blocks.\n      if (context.mediaBlocks.length > 1) {\n        const selectors = (new Selector([], null, null, this.getIndex(), this.fileInfo)).createEmptySelectors();\n        result = new Ruleset(selectors, context.mediaBlocks);\n        result.multiMedia = true;\n        result.copyVisibilityInfo(this.visibilityInfo);\n        this.setParent(result, this);\n      }\n      delete context.mediaBlocks;\n      delete context.mediaPath;\n      return result;\n    },\n    evalNested(context) {\n      let i;\n      let value;\n      const path = context.mediaPath.concat([this]);\n\n      // Extract the media-query conditions separated with ` ` (OR).\n      for (i = 0; i < path.length; i++) {\n        value = path[i].features instanceof Value ?\n          path[i].features.value : path[i].features;\n        path[i] = Array.isArray(value) ? value : [value];\n      }\n      // Trace all permutations to generate the resulting media-query.\n      // (a, b and c) with nested (d, e) ->\n      // a and d\n      // a and e\n      // b and c and d\n      // b and c and e\n      this.features = new Value(this.permute(path).map(path => {\n        path = path.map(fragment => fragment.toCSS ? fragment : new Anonymous(fragment));\n        for (i = path.length - 1; i > 0; i--) {\n          path.splice(i, 0, new Anonymous('and'));\n        }\n        return new Expression(path);\n      }));\n      this.setParent(this.features, this);\n      // Fake a tree-node that doesn't output anything.\n      return new Ruleset([], []);\n    },\n    permute(arr) {\n      if (arr.length === 0) {\n        return [];\n      }\n      else if (arr.length === 1) {\n        return arr[0];\n      }\n      else {\n        const result = [];\n        const rest = this.permute(arr.slice(1));\n        for (let i = 0; i < rest.length; i++) {\n          for (let j = 0; j < arr[0].length; j++) {\n            result.push([arr[0][j]].concat(rest[i]));\n          }\n        }\n        return result;\n      }\n    },\n    bubbleSelectors(selectors) {\n      if (!selectors) {\n        return;\n      }\n      this.rules = [new Ruleset(utils.copyArray(selectors), [this.rules[0]]);\n      this.setParent(this.rules, this);\n    }]);\n\n  export default Media;\n\n  "import Node from './node';\n  import Media from './media';\n  import URL from './url';\n  import Quoted from './quoted';\n  import Ruleset from './ruleset';\n  import Anonymous from './anonymous';\n  import *\n  as utils from './utils';\n  import LessError from './less-error';\n\n  // CSS @import node\n  // The general strategy here is that we don't want to wait\n  // for the parsing to be completed, before we start importing\n  // the file. That's because in the context of a browser,\n  // most of the time will be spent waiting for the server to respond.\n  // On creation, we push the import path to our import queue, though\n  // `import, push`, we also pass it a callback, which it'll call once\n  // the file has been fetched, and parsed.\n\n  const Import = function(path, features, options, index, currentFileInfo, visibilityInfo) {\n    this.options = options;\n    this._index = index;\n    this._fileInfo = currentFileInfo;\n    this.path = path;\n    this.features = features;\n    this.allowRoot = true;\n\n    if (this.options.less !== undefined || this.options.inline) {\n      this.css = !this.options.less || this.options.inline;\n    } else {\n      const

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pathValue = this.getPath();\n
    if (pathValue && /[#\.\&\\?]\css(?:\?;|.)*?$/\.test(pathValue)) {\n        this.css = true;\n    }\n    this.copyVisibilityInfo(visibilityInfo);\n    this.setParent(this.features, this);\n    this.setParent(this.path,\n    this);\n    Import.prototype = Object.assign(new Node(), {\n        type: 'Import',\n        accept(visitor) {\n            if\n            (this.features) {\n                this.features = visitor.visit(this.features);\n            }\n            this.path = visitor.visit(this.path);\n            if (!this.options.isPlugin && !this.options.inline && this.root) {\n                this.root = visitor.visit(this.root);\n            }\n        },\n        genCSS(context, output) {\n            if (this.css && this.path._fileInfo.reference === undefined) {\n                output.add('@import ', this._fileInfo, this._index);\n                this.path.genCSS(context, output);\n            }\n            if\n            (this.features) {\n                output.add(' ');n                this.features.genCSS(context, output);\n            }\n            output.add(';');\n        },\n        getPath() {\n            return (this.path instanceof URL) ?\n            this.path.value.value : this.path.value;\n        },\n        isVariableImport() {\n            let path = this.path;\n            if (path\n            instanceof URL) {\n                path = path.value;\n            }\n            if (path instanceof Quoted) {\n                return\n                path.containsVariables();\n            }\n            return true;\n        },\n        evalForImport(context) {\n            let path =\n            this.path;\n            if (path instanceof URL) {\n                path = path.value;\n            }\n            return new\n            Import(path.eval(context), this.features, this.options, this._index, this._fileInfo, this.visibilityInfo);\n        },\n        evalPath(context) {\n            const path = this.path.eval(context);\n            const fileInfo = this._fileInfo;\n            if (!(path\n            instanceof URL)) {\n                // Add the rootpath if the URL requires a rewrite\n                const pathValue =\n                path.value;\n                if (fileInfo &&\n                pathValue &&\n                context.pathRequiresRewrite(pathValue)) {\n                    path.value = context.rewritePath(pathValue, fileInfo.rootpath);\n                } else {\n                    path.value =\n                    context.normalizePath(path.value);\n                }\n            }\n            return path;\n        },\n        eval(context) {\n            const\n            result = this.doEval(context);\n            if (this.options.reference || this.blocksVisibility()) {\n                if (result.length ||\n                result.length === 0) {\n                    result.forEach(function (node) {\n                        node.addVisibilityBlock();\n                    });\n                } else {\n                    result.addVisibilityBlock();\n                }\n            }\n            return result;\n        },\n        doEval(context) {\n            let ruleset;\n            let registry;\n            const features = this.features &&\n            this.features.eval(context);\n            if (this.options.isPlugin) {\n                if (this.root &&\n                this.root.eval) {\n                    try {\n                        this.root.eval(context);\n                    } catch (e) {\n                        e.message = 'Plugin error during evaluation';\n                        throw new LessError(e, this.root.imports,\n                        this.root.filename);\n                    }\n                    registry = context.frames[0] &&\n                    context.frames[0].functionRegistry;\n                    if ( registry && this.root && this.root.functions ) {\n                        registry.addMultiple( this.root.functions );\n                    }\n                    return [];\n                }\n                if (this.skip) {\n                    if\n                    (typeof this.skip === 'function') {\n                        this.skip = this.skip();\n                    }\n                    if (this.skip) {\n                        return [];\n                    }\n                }\n                if (this.options.inline) {\n                    const contents = new Anonymous(this.root, 0,\n                    {\n                        filename: this.importedFilename,\n                        reference:\n                        this.path._fileInfo && this.path._fileInfo.reference\n                    }, true, true);\n                    return this.features ? new\n                    Media([contents], this.features.value) : [contents];\n                } else if (this.css) {\n                    const newImport = new\n                    Import(this.evalPath(context), features, this.options, this._index);\n                    if (!newImport.css && this.error) {\n                        throw this.error;\n                    }\n                    return newImport;\n                } else if (this.root) {\n                    ruleset = new\n                    Ruleset(null, utils.copyArray(this.root.rules));\n                    ruleset.evalImports(context);\n                    return this.features ?\n                    new Media(ruleset.rules, this.features.value) : ruleset.rules;\n                } else {\n                    return [];\n                }\n            }\n        });\n    }\n    export default Import;\n    ", "import Node from './node';\n    import Variable from './variable';\n    const\n    JsEvalNode = function() {};\n    JsEvalNode.prototype = Object.assign(new Node(), {\n        evaluateJavaScript(expression, context) {\n            let result;\n            const that = this;\n            const evalContext = {};\n            if (!context.javascriptEnabled) {\n                throw { message: 'Inline JavaScript is not enabled. Is it set in your options?',\n                filename:\n                this.fileInfo().filename,\n                index: this.getIndex() }\n            }\n            expression =\n            expression.replace(/@\\{([\\w-]+)\\}/g, function (_, name) {\n                return that.jsify(new Variable(`@${name}`),\n                that.getIndex(), that.fileInfo()).eval(context));\n            });\n            try {\n                expression = new Function(`return

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({expression}));\n      } catch (e) {\n          throw { message: `JavaScript evaluation error: ${e.message} from\n\\`${expression}`\n          filename: this.fileInfo().filename,\n          index: this.getIndex() };\n      }\n      const variables = context.frames[0].variables();\n      for (const k in variables) {\n          if\n(variables.hasOwnProperty(k)) {\n              /* jshint loopfunc:true */\n              evalContext[k.slice(1)] = {\n                  value: variables[k].value,\n                  toJS: function () {\n                      return this.value.eval(context).toCSS();\n                  }\n              }\n          }\n      }\n      try {\n          result = expression.call(evalContext);\n      } catch (e) {\n          throw {\nmessage: `JavaScript evaluation error: '${e.name}: ${e.message.replace(/[/\`]/g, '\\`')}`,\n          filename:\nthis.fileInfo().filename,\n          index: this.getIndex() };\n      }\n      return result;\n  },\n  jsify(obj) {\nif (Array.isArray(obj.value) && (obj.value.length > 1)) {\n    return `${obj.value.map(function (v) { return\nv.toCSS(); }).join(', ')}`;\n  } else {\n    return obj.toCSS();\n  }\n});\n\nexport default\nJsEvalNode;\n", "import JsEvalNode from './js-eval-node';\nimport Dimension from './dimension';\nimport\nQuoted from './quoted';\nimport Anonymous from './anonymous';\nconst JavaScript = function(string, escaped,\nindex, currentFileInfo) {\n  this.escaped = escaped;\n  this.expression = string;\n  this._index = index;\n  this._fileInfo = currentFileInfo;\n}\n\nJavaScript.prototype = Object.assign(new JsEvalNode(), {\n  type:\n'JavaScript',\n  eval(context) {\n    const result = this.evaluateJavaScript(this.expression, context);\n    const\ntype = typeof result;\n\n    if (type === 'number' && !isNaN(result)) {\n      return new Dimension(result);\n    }\n    else if (type === 'string') {\n      return new Quoted(`"${result}"`, result, this.escaped, this._index);\n    }\n    else if (Array.isArray(result)) {\n      return new Anonymous(result.join(', '));\n    }\n    else {\n      return new\nAnonymous(result);\n    }\n  }\n});\n\nexport default JavaScript;\n", "import Node from './node';\nconst\nAssignment = function(key,\nval) {\n  this.key = key;\n  this.value = val;\n}\n\nAssignment.prototype = Object.assign(new Node(), {\n  type:\n'Assignment',\n  accept(visitor) {\n    this.value = visitor.visit(this.value);\n  },\n  eval(context) {\n    if\n(this.value.eval) {\n      return new Assignment(this.key, this.value.eval(context));\n    }\n    return this;\n  },\n  genCSS(context, output) {\n    output.add(`${this.key}=`);\n    if (this.value.genCSS) {\n      this.value.genCSS(context, output);\n    }\n    else {\n      output.add(this.value);\n    }\n  }\n});\n\nexport\ndefault Assignment;\n", "import Node from './node';\nconst Condition = function(op, l, r, i, negate) {\n  this.op =\nop.trim();\n  this.lvalue = l;\n  this.rvalue = r;\n  this._index = i;\n  this.negate =\negate;\n}\n\nCondition.prototype = Object.assign(new Node(), {\n  type: 'Condition',\n  accept(visitor) {\n    this.lvalue = visitor.visit(this.lvalue);\n\n    this.rvalue = visitor.visit(this.rvalue);\n  },\n  eval(context) {\n    const result = (function (op, a, b) {\n      switch (op) {\n        case 'and': return a && b;\n        case 'or': return a || b;\n        default:\nswitch (Node.compare(a, b)) {\n          case -1:\n            return op === '<' || op === '<=' || op\n=== '<=';\n          case 0:\n            return op === '=' || op === '>=' || op === '<=' || op === '<=';\n          case 1:\n            return op === '>' || op === '>=';\n          default:\nreturn false;\n        }\n      }\n    })(this.op, this.lvalue.eval(context), this.rvalue.eval(context));\n\n    return this.negate ? !result : result;\n  }\n});\n\nexport default Condition;\n", "import Node from './node';\nconst\nUnicodeDescriptor\n= function(value) {\n  this.value = value;\n}\n\nUnicodeDescriptor.prototype = Object.assign(new Node(), {\n  type: 'UnicodeDescriptor'\n});\n\nexport default UnicodeDescriptor;\n", "import Node from './node';\nimport\nOperation from './operation';\nimport Dimension from './dimension';\nconst Negative = function(node) {\n  this.value = node;\n}\n\nNegative.prototype = Object.assign(new Node(), {\n  type: 'Negative',\n  genCSS(context, output) {\n    output.add('-');\n    this.value.genCSS(context, output);\n  },\n  eval(context)\n{\n    if (context.isMathOn()) {\n      return (new Operation('*', [new Dimension(-1),\nthis.value])).eval(context);\n    }\n    return new Negative(this.value.eval(context));\n  }\n});\n\nexport default\nNegative;\n", "import Node from './node';\nimport Selector from './selector';\nconst Extend = function(selector,\noption, index, currentFileInfo, visibilityInfo) {\n  this.selector = selector;\n  this.option

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= option;\n  this.object_id = Extend.next_id++;\n  this.parent_ids = [this.object_id];\n  this._index = index;\n  this._fileInfo = currentFileInfo;\n  this.copyVisibilityInfo(visibilityInfo);\n  this.allowRoot = true;\n\n  switch\n  (option) {\n    case 'all':\n      this.allowBefore = true;\n      this.allowAfter = true;\n      break;\n    default:\n      this.allowBefore = false;\n      this.allowAfter = false;\n      break;\n  }\n\n  this.setParent(this.selector, this);\n\n  Extend.prototype = Object.assign(new Node(), {\n    type: 'Extend',\n\n    accept(visitor) {\n      this.selector = visitor.visit(this.selector);\n    },\n\n    eval(context) {\n      return new\n      Extend(this.selector.eval(context), this.option, this.getIndex(), this.fileInfo(), this.visibilityInfo());\n    },\n\n    clone(context) {\n      return new Extend(this.selector, this.option, this.getIndex(), this.fileInfo(),\n      this.visibilityInfo());\n    },\n\n    // it concatenates (joins) all selectors in selector array\n    findSelfSelectors(selectors) {\n      let selfElements =\n      [], i, selectorElements;\n      for (i = 0; i < selectors.length; i++) {\n        selectorElements =\n        selectors[i].elements;\n        // duplicate the logic in genCSS function inside the selector node.\n        // future\n        TODO - move both logics into the selector joiner visitor\n        if (i > 0 && selectorElements.length &&\n        selectorElements[0].combinator.value === ") {\n          selectorElements[0].combinator.value = ' ';\n        }\n        selfElements = selfElements.concat(selectors[i].elements);\n      }\n      this.selfSelectors = [new\n      Selector(selfElements)];\n      this.selfSelectors[0].copyVisibilityInfo(this.visibilityInfo());\n    }\n  });\n\n  Extend.next_id = 0;\n\n  export default Extend;\n"}\n\nimport Node from './node';\nimport Variable from\n './variable';\nimport Ruleset from './ruleset';\nimport DetachedRuleset\n from './detached-ruleset';\nimport LessError from './less-error';\n\nconst VariableCall = function(variable, index,\n currentFileInfo) {\n  this.variable = variable;\n  this._index = index;\n  this._fileInfo = currentFileInfo;\n  this.allowRoot = true;\n\n  VariableCall.prototype = Object.assign(new Node(), {\n    type: 'VariableCall',\n\n    eval(context) {\n      let rules;\n      let detachedRuleset = new Variable(this.variable, this.getIndex(),\n      this.fileInfo()).eval(context);\n      const error = new LessError({ message: `Could not evaluate variable call\n      ${this.variable}` });\n\n      if (!detachedRuleset.ruleset) {\n        if (detachedRuleset.rules) {\n          rules =\n          detachedRuleset;\n        }\n        else if (Array.isArray(detachedRuleset)) {\n          rules = new Ruleset(",\n          detachedRuleset);\n        }\n        else if (Array.isArray(detachedRuleset.value)) {\n          rules = new\n          Ruleset(", detachedRuleset.value);\n        }\n        else {\n          throw error;\n        }\n        detachedRuleset = new\n        DetachedRuleset(rules);\n      }\n      if (detachedRuleset.ruleset) {\n        return\n        detachedRuleset.callEval(context);\n      }\n      throw error;\n    }\n  });\n\n  export default VariableCall;\n"}\n\nimport\n Node from './node';\nimport Variable from './variable';\nimport Ruleset from './ruleset';\nimport Selector from\n './selector';\n\nconst NamespaceValue = function(ruleCall, lookups, index, fileInfo) {\n  this.value = ruleCall;\n  this.lookups = lookups;\n  this._index = index;\n  this._fileInfo = fileInfo;\n\n  NamespaceValue.prototype =\n  Object.assign(new Node(), {\n    type: 'NamespaceValue',\n\n    eval(context) {\n      let i, j, name, rules =\n      this.value.eval(context);\n\n      for (i = 0; i < this.lookups.length; i++) {\n        name = this.lookups[i];\n\n        /**\n         * Eval'd DRs return rulesets.\n\n         * Eval'd mixins return rules, so let's make a ruleset if we need it.\n         * We need to do this because of late\n         parsing of values\n         */\n        if (Array.isArray(rules)) {\n          rules = new Ruleset([new Selector()],\n          rules);\n        }\n        if (name === ") {\n          rules = rules.lastDeclaration();\n        }\n        else if\n        (name.charAt(0) === '@') {\n          if (name.charAt(1) === '@') {\n            name = `@${new\n            Variable(name.substr(1)).eval(context).value}`;\n          }\n          if (rules.variables) {\n            rules =\n            rules.variable(name);\n          }\n          else\n          if (!rules) {\n            throw { type: 'Name',\n            message: `variable ${name} not found`,\n            filename: this.fileInfo().filename,\n            index: this.getIndex() };\n          }\n          else\n          {\n            if (name.substring(0, 2) === '$@') {\n              name = `${new\n              Variable(name.substr(1)).eval(context).value}`;\n            }\n            else {\n              name = name.charAt(0)\n              === '$' ? name : `${name}`;\n            }\n            if (rules.properties) {\n              rules =\n              rules.property(name);\n            }\n            else\n            if (!rules) {\n              throw { type: 'Name',\n
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message: `property \"${name.substr(1)}\" not found`,\n      filename: this.fileInfo().filename,\n      index: this.getIndex();\n    });\n    // Properties are an array of values, since a ruleset can have\n    // We pick the last one (the \"cascaded\" value)\n    rules = rules[rules.length - 1];\n  }\n  if (rules.value) {\n    rules = rules.eval(context).value;\n  }\n  if (rules.ruleset) {\n    rules = rules.ruleset.eval(context);\n  }\n  return\n  rules;\n});\n\nexport default NamespaceValue;\n\n\"import Selector from './selector';\nimport Element from './element';\nimport Ruleset from './ruleset';\nimport Declaration from './declaration';\nimport DetachedRuleset from './detached-ruleset';\nimport Expression from './expression';\nimport contexts from './contexts';\nimport * as utils from './utils';\n\nconst Definition = function(name, params, rules, condition, variadic, frames, visibilityInfo) {\n  this.name = name || 'anonymous mixin';\n  this.selectors = [new Selector([new Element(null, name, false, this._index, this._fileInfo)])];\n  this.params = params;\n  this.condition = condition;\n  this.variadic = variadic;\n  this.arity = params.length;\n  this.rules = rules;\n  this._lookups = {};\n  const optionalParameters = [];\n  this.required = params.reduce(function\n    (count, p) {\n      if (!p.name || (p.name && !p.value)) {\n        return count + 1;\n      }\n      else {\n        optionalParameters.push(p.name);\n        return count;\n      }\n    }, 0);\n  this.optionalParameters = optionalParameters;\n  this.frames = frames;\n  this.copyVisibilityInfo(visibilityInfo);\n  this.allowRoot = true;\n}\n\nDefinition.prototype = Object.assign(new Ruleset(), {\n  type: 'MixinDefinition',\n  evalFirst: true,\n\n  accept(visitor) {\n    if (this.params && this.params.length) {\n      this.params = visitor.visitArray(this.params);\n    }\n    this.rules = visitor.visitArray(this.rules);\n    if (this.condition) {\n      this.condition = visitor.visit(this.condition);\n    }\n  },\n\n  evalParams(context, mixinEnv, args, evalArguments) {\n    /* jshint boss:true */\n    const frame = new Ruleset(null, null);\n    let varargs;\n    let arg;\n    const params =\n      = utils.copyArray(this.params);\n    let i;\n    let j;\n    let val;\n    let name;\n    let isNamedFound;\n    let argIndex;\n    let argsLength = 0;\n    if (mixinEnv.frames && mixinEnv.frames[0] && mixinEnv.frames[0].functionRegistry) {\n      frame.functionRegistry =\n      mixinEnv.frames[0].functionRegistry.inherit();\n    }\n    mixinEnv = new contexts.Eval(mixinEnv, [frame].concat(mixinEnv.frames));\n    if (args) {\n      args = utils.copyArray(args);\n      argsLength = args.length;\n      for (i = 0; i < argsLength; i++) {\n        arg = args[i];\n        if (name = (arg && arg.name)) {\n          isNamedFound = false;\n          for (j = 0; j < params.length; j++) {\n            if (!evalArguments[j] && name === params[j].name) {\n              evalArguments[j] = arg.value.eval(context);\n              frame.prependRule(new Declaration(name, arg.value.eval(context)));\n              isNamedFound = true;\n              break;\n            }\n          }\n          if (isNamedFound) {\n            args.splice(i, 1);\n            i--;\n          }\n          continue;\n        } else {\n          throw { type: 'Runtime', message: `Named argument for\n${this.name} ${args[i].name} not found` };\n        }\n      }\n      argIndex = 0;\n      for (i = 0; i < params.length; i++) {\n        if (evalArguments[i]) { continue; }\n        arg = args && args[argIndex];\n        if (name = params[i].name) {\n          if (params[i].variadic) {\n            varargs = [];\n            for (j = argIndex; j < argsLength; j++) {\n              varargs.push(args[j].value.eval(context));\n            }\n            frame.prependRule(new Declaration(name, new Expression(varargs).eval(context)));\n          } else {\n            val = arg && arg.value;\n            if (val) {\n              // This was a mixin call, pass in a detached ruleset of it's eval'd rules\n              if (Array.isArray(val)) {\n                val = new DetachedRuleset(new Ruleset(\"\", val));\n              }\n              else {\n                val = val.eval(context);\n              }\n            } else if (params[i].value) {\n              val = params[i].value.eval(mixinEnv);\n              frame.resetCache();\n            } else {\n              throw {\n                type: 'Runtime', message: `wrong number of arguments for\n${this.name} (${argsLength} for ${this.arity})`\n              };\n            }\n            frame.prependRule(new Declaration(name, val));\n          }\n        }\n      }\n    }\n  }\n});

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    evaldArguments[i] = val;\n          }\n          }\n          if (params[i].variadic && args) {\n              for (j =
argIndex; j < argsLength; j++) {\n                  evaldArguments[j] = args[j].value.eval(context);\n                  }\n          }\n          argIndex++;\n          }\n          return frame;\n          },\n          makeImportant() {\n              const rules = !this.rules ?
this.rules : this.rules.map(function (r) {\n                  if (r.makeImportant) {\n                      return r.makeImportant(true);\n                  }\n                  else {\n                      return r;\n                  }\n                  });\n              const result = new Definition(this.name, this.params,
rules, this.condition, this.variadic, this.frames);\n              return result;\n          },\n          eval(context) {\n              return new
Definition(this.name, this.params, this.rules, this.condition, this.variadic, this.frames ||
utils.copyArray(context.frames));\n          },\n          evalCall(context, args, important) {\n              const _arguments
= [];\n              const mixinFrames = this.frames ? this.frames.concat(context.frames) : context.frames;\n              const
frame = this.evalParams(context, new contexts.Eval(context, mixinFrames), args, _arguments);\n              let rules;\n              let ruleset;\n              frame.prependRule(new Declaration('@arguments', new
Expression(_arguments).eval(context)));\n              rules = utils.copyArray(this.rules);\n              ruleset = new
Ruleset(null, rules);\n              ruleset.originalRuleset = this;\n              ruleset = ruleset.eval(new contexts.Eval(context,
[this, frame].concat(mixinFrames)));\n              if (important) {\n                  ruleset = ruleset.makeImportant();\n              }\n              return ruleset;\n          },\n          matchCondition(args, context) {\n              if (this.condition && !this.condition.eval(\n
new contexts.Eval(context,\n                  [this.evalParams(context, /* the parameter variables */\n                  new
contexts.Eval(context, this.frames ? this.frames.concat(context.frames)
: context.frames), args, [])]\n                  .concat(this.frames || []) // the parent namespace/mixin frames\n                  .concat(context.frames)))) {\n                  return false;\n              }\n              return true;\n          },\n          matchArgs(args, context) {\n              const allArgsCnt = (args && args.length) || 0;\n              let len;\n              const
optionalParameters = this.optionalParameters;\n              const requiredArgsCnt = !args ? 0 : args.reduce(function
(count, p) {\n                  if (optionalParameters.indexOf(p.name) < 0) {\n                      return count + 1;\n                  }\n                  else {\n
                      return count;\n                  }\n                  }, 0);\n              if (!this.variadic) {\n                  if (requiredArgsCnt < this.required)
{\n                      return false;\n                  }\n                  if (allArgsCnt > this.params.length) {\n                      return false;\n                  }\n              }\n              } else {\n                  if (requiredArgsCnt < (this.required
- 1)) {\n                      return false;\n                  }\n                  }\n                  // check patterns\n                  len = Math.min(requiredArgsCnt,
this.arity);\n                  for (let i = 0; i < len; i++) {\n                      if (!this.params[i].name && !this.params[i].variadic) {\n                          if (args[i].value.eval(context).toCSS() != this.params[i].value.eval(context).toCSS()) {\n                              return
false;\n                          }\n                      }\n                  }\n                  return true;\n              }\n          });\n\nexport default Definition;\n", "import Node
from './node';\nimport Selector from './selector';\nimport MixinDefinition from './mixin-definition';\nimport
defaultFunc from './functions/default';\n\nconst MixinCall = function(elements, args, index, currentFileInfo,
important) {\n    this.selector = new Selector(elements);\n    this.arguments = args || [];\n    this._index = index;\n    this._fileInfo = currentFileInfo;\n    this.important = important;\n    this.allowRoot = true;\n\n    this.setParent(this.selector,\n        this);\n};\n\nMixinCall.prototype = Object.assign(new Node(), {\n    type: 'MixinCall',\n\n    accept(visitor) {\n        if (this.selector) {\n            this.selector = visitor.visit(this.selector);\n        }\n        if (this.arguments.length) {\n            this.arguments = visitor.visitArray(this.arguments);\n        }\n    },\n\n    eval(context) {\n        let mixins;\n        let
mixin;\n        let mixinPath;\n        const args = [];\n        let arg;\n        let argValue;\n        const rules = [];\n        let
match = false;\n        let i;\n        let m;\n        let f;\n        let isRecursive;\n        let isOneFound;\n        const
candidates = [];\n        let candidate;\n        const conditionResult = [];\n        let defaultResult;\n        const
defFalseEitherCase = -1;\n        const defNone = 0;\n        const defTrue = 1;\n        const defFalse = 2;\n        let
count;\n        let originalRuleset;\n        let noArgumentsFilter;\n\n        this.selector
= this.selector.eval(context);\n\n        function calcDefGroup(mixin, mixinPath) {\n            let f, p, namespace;\n\n            for (f = 0; f < 2; f++) {\n                conditionResult[f] = true;\n                defaultFunc.value(f);\n                for (p
= 0; p < mixinPath.length && conditionResult[f]; p++) {\n                    namespace = mixinPath[p];\n                    if
(namespace.matchCondition) {\n                        conditionResult[f] = conditionResult[f] &&
namespace.matchCondition(null, context);\n                    }\n                }\n                if (mixin.matchCondition) {\n                    conditionResult[f] = conditionResult[f] && mixin.matchCondition(args, context);\n                }\n            }\n        }\n    }\n});

```



```

    if (conditionResult[0] || conditionResult[1]) {\n
      return conditionResult[1] ?\n
        return defNone;\n
    }\n
    return defFalseEitherCase;\n
  }\n\n
  for (i = 0; i <
this.arguments.length; i++) {\n
  arg = this.arguments[i];\n
  argValue = arg.value.eval(context);\n
  if (arg.expand && Array.isArray(argValue.value)) {\n
    argValue = argValue.value;\n
    for (m = 0;
m < argValue.length; m++) {\n
    args.push({ value: argValue[m]});\n
  }\n
  } else {\n
    args.push({ name: arg.name, value: argValue});\n
  }\n
}\n\n
  noArgumentsFilter = function(rule)
{return rule.matchArgs(null, context);};\n\n
  for (i = 0; i < context.frames.length; i++) {\n
    if ((mixins =
context.frames[i].find(this.selector, null, noArgumentsFilter)).length > 0) {\n
      isOneFound = true;\n\n
      // To make `default()` function independent of definition order we have two `subpasses` here.\n
      // At first we evaluate each guard *twice* (with `default() == true` and `default() == false`),\n
      // and
build candidate list with corresponding flags. Then, when we know all possible matches,\n
      // we make a
final decision.\n\n
      for (m = 0; m < mixins.length; m++) {\n
        mixin = mixins[m].rule;\n
        mixinPath = mixins[m].path;\n
        isRecursive = false;\n
        for (f = 0; f < context.frames.length;
f++) {\n
          if (!(mixin instanceof MixinDefinition)) && mixin === (context.frames[f].originalRuleset ||
context.frames[f])) {\n
            isRecursive = true;\n
            break;\n
          }\n
        }\n
        if (isRecursive) {\n
          continue;\n
        }\n\n
        if
(mixin.matchArgs(args, context)) {\n
          candidate = { mixin, group:
calcDefGroup(mixin, mixinPath)};\n\n
          if (candidate.group !== defFalseEitherCase) {\n
            candidates.push(candidate);\n
          }\n\n
          match = true;\n
        }\n
        }\n\n
        defaultFunc.reset();\n\n
        count = [0, 0, 0];\n
        for (m = 0; m < candidates.length; m++) {\n
          count[candidates[m].group]++;\n
        }\n\n
        if (count[defNone] > 0) {\n
defaultResult = defFalse;\n
        } else {\n
          defaultResult = defTrue;\n
        }\n
        if
((count[defTrue] + count[defFalse]) > 1) {\n
          throw { type: 'Runtime',\n
            message:
`Ambiguous use of `default()` found when matching for `${this.format(args)}`,\n
            index:
this.getIndex(), filename: this.fileInfo().filename };
        }\n
      }\n
    }\n\n
    for (m = 0; m < candidates.length; m++) {\n
      candidate =
candidates[m].group;\n
      if ((candidate === defNone) || (candidate === defaultResult)) {\n
try {\n
          mixin = candidates[m].mixin;\n
          if (!(mixin instanceof MixinDefinition))
{\n
            originalRuleset = mixin.originalRuleset || mixin;\n
            mixin = new
MixinDefinition("", [], mixin.rules, null, false, null, originalRuleset.visibilityInfo());\n
mixin.originalRuleset = originalRuleset;\n
          }\n
          const newRules =
mixin.evalCall(context, args, this.important).rules;\n
this._setVisibilityToReplacement(newRules);\n
          Array.prototype.push.apply(rules, newRules);\n
        }\n
      } catch (e) {\n
        throw { message: e.message, index: this.getIndex(), filename: this.fileInfo().filename, stack: e.stack
};\n
      }\n
    }\n
  }\n\n
  if (match) {\n
    return rules;\n
  }\n
}\n
}\n
  if (isOneFound) {\n
    throw { type: 'Runtime',\n
      message: `No matching
definition was found for `${this.format(args)}`,\n
      index: this.getIndex(), filename:
this.fileInfo().filename };
  } else {\n
    throw { type: 'Name',\n
      message:
`${this.selector.toCSS().trim()} is undefined`,\n
      index: this.getIndex(), filename: this.fileInfo().filename
};\n
  }\n
}\n
}\n
  _setVisibilityToReplacement(replacement) {\n
    let i, rule;\n
    if (this.blocks.Visibility())
{\n
      for (i = 0; i < replacement.length; i++) {\n
        rule = replacement[i];\n
        rule.addVisibilityBlock();\n
      }\n
    }\n
  },\n\n
  format(args) {\n
    return
`${this.selector.toCSS().trim()}(${args ? args.map(function (a) {\n
      let argValue = ";\n
      if (a.name) {\n
        argValue += `${a.name}`;\n
      }\n
      if (a.value.toCSS) {\n
        argValue +=
a.value.toCSS();\n
      } else {\n
        argValue += `???`;\n
      }\n
      return argValue;\n
    }).join(',
') : ''});\n
  }\n
});\n\n
export default MixinCall;\n
", "import Node from './node';\nimport Color from './color';\nimport

```

```

AtRule from './atrule';\nimport DetachedRuleset from './detached-ruleset';\nimport Operation from
 './operation';\nimport Dimension from './dimension';\nimport Unit from './unit';\nimport Keyword from
 './keyword';\nimport Variable from './variable';\nimport Property from './property';\nimport Ruleset from
 './ruleset';\nimport Element from './element';\nimport Attribute from './attribute';\nimport
 Combinator from './combinator';\nimport Selector from './selector';\nimport Quoted from './quoted';\nimport
 Expression from './expression';\nimport Declaration from './declaration';\nimport Call from './call';\nimport URL
 from './url';\nimport Import from './import';\nimport Comment from './comment';\nimport Anonymous from
 './anonymous';\nimport Value from './value';\nimport JavaScript from './javascript';\nimport Assignment from
 './assignment';\nimport Condition from './condition';\nimport Paren from './paren';\nimport Media from
 './media';\nimport UnicodeDescriptor from './unicode-descriptor';\nimport Negative from './negative';\nimport
 Extend from './extend';\nimport VariableCall from './variable-call';\nimport NamespaceValue from './namespace-
value';\n\n// mixins\nimport MixinCall from './mixin-call';\nimport MixinDefinition from './mixin-
definition';\n\nexport default {\n  Node, Color, AtRule, DetachedRuleset, Operation,\n  Dimension, Unit, Keyword, Variable, Property,\n  Ruleset, Element, Attribute, Combinator, Selector,\n  Quoted, Expression, Declaration, Call, URL, Import,\n  Comment, Anonymous, Value, JavaScript, Assignment,\n  Condition, Paren, Media, UnicodeDescriptor, Negative,\n  Extend, VariableCall, NamespaceValue,\n  mixin: {\n    Call: MixinCall,\n    Definition: MixinDefinition\n  }\n};\n\n\"class AbstractFileManager {\n  getPath(filename) {\n    let j = filename.lastIndexOf('?');\n    if (j > 0) {\n      filename = filename.slice(0, j);\n    }\n    j = filename.lastIndexOf('/');\n    if (j < 0) {\n      j = filename.lastIndexOf('\\');\n    }\n    if (j < 0) {\n      return \"\";\n    }\n    return filename.slice(0, j + 1);\n  }\n\n  tryAppendExtension(path, ext) {\n    return /(\\.[a-z]*$)(\\[[?];.*\\]$).test(path) ? path : path + ext;\n  }\n\n  tryAppendLessExtension(path) {\n    return this.tryAppendExtension(path, '.less');\n  }\n\n  supportsSync() {\n    return false;\n  }\n\n  alwaysMakePathsAbsolute() {\n    return false;\n  }\n\n  isPathAbsolute(filename) {\n    return /^(?:[a-z-]+:\\|\\\\\\\\\\\\\\\\#|/i).test(filename);\n  }\n\n  // TODO: pull out / replace?\n  join(basePath, laterPath) {\n    if (!basePath) {\n      return laterPath;\n    }\n    return basePath + laterPath;\n  }\n\n  pathDiff(url, baseUrl) {\n    // diff between two paths to create a relative path\n\n    const urlParts = this.extractUrlParts(url);\n    const baseUrlParts = this.extractUrlParts(baseUrl);\n    let i;\n    let max;\n    let urlDirectories;\n    let baseUrlDirectories;\n    let diff = \"\";\n    if (urlParts.hostPart !== baseUrlParts.hostPart) {\n      return \"\";\n    }\n    max = Math.max(baseUrlParts.directories.length, urlParts.directories.length);\n    for (i = 0; i < max; i++) {\n      if (baseUrlParts.directories[i] !== urlParts.directories[i])\n        { break; }\n      baseUrlDirectories = baseUrlParts.directories.slice(i);\n      urlDirectories = urlParts.directories.slice(i);\n      for (i = 0; i < baseUrlDirectories.length - 1; i++) {\n        diff += './';\n      }\n      for (i = 0; i < urlDirectories.length - 1; i++) {\n        diff += `${urlDirectories[i]}/`;\n      }\n      return diff;\n    }\n\n    // helper function, not part of API\n    extractUrlParts(url, baseUrl) {\n      // urlParts[1] = protocol://hostname/ OR ^\n      // urlParts[2] = / if path relative to host base\n      // urlParts[3] = directories\n      // urlParts[4] = filename\n      // urlParts[5] = parameters\n      const urlPartsRegex = /^(?:[a-z-]+):?\\|?{2}(?:[^\|\\?#*\\\\\\\\]|(\\\\\\\\\\\\\\\\))?(?:[^\|\\\\\\\\\\\\\\\\?#*\\\\\\\\\\\\\\\\]|(\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\#)*)(#[^\|?].*)?$/i;\n      const urlParts = url.match(urlPartsRegex);\n      const returner = {};\n      let rawDirectories = [];\n      const directories = [];\n      let i;\n      let baseUrlParts;\n\n      if (!urlParts) {\n        throw new Error(`Could not parse sheet href - '${url}'`);\n      }\n\n      // Stylesheets in IE don't always return the full path\n      if (baseUrl && (!urlParts[1] || urlParts[2])) {\n        baseUrlParts = baseUrl.match(urlPartsRegex);\n        if (!baseUrlParts) {\n          throw new Error(`Could not parse page url - '${baseUrl}'`);\n        }\n        urlParts[1] = urlParts[1] || baseUrlParts[1] || \"\";\n        if (!urlParts[2]) {\n          urlParts[3] = baseUrlParts[3] + urlParts[3];\n        }\n      }\n\n      if (urlParts[3]) {\n        rawDirectories = urlParts[3].replace(/\\\\\\\\\\\\\\\\g, '/').split('/');\n        // collapse '..'\n        and skip '\n        for (i = 0; i < rawDirectories.length; i++) {\n          if (rawDirectories[i] === '..') {\n            directories.pop();\n          }\n          else

```

```

if (rawDirectories[i] !== '.') {\n
    directories.push(rawDirectories[i]);\n
}\n
}\n
returner.hostPart = urlParts[1];\n
returner.directories = directories;\n
returner.rawPath =
(urlParts[1] || "") + rawDirectories.join('/');\n
returner.path = (urlParts[1] || "") + directories.join('/');\n
returner.filename = urlParts[4];\n
returner.fileUrl = returner.path + (urlParts[4] || "");\n
returner.url =
returner.fileUrl + (urlParts[5] || "");\n
return returner;\n
}\n\n
export default AbstractFileManager;\n", "import
functionRegistry from './functions/function-registry';\nimport LessError from './less-error';\n\nclass
AbstractPluginLoader {\n
    constructor() {\n
        // Implemented by Node.js plugin loader\n
        this.require =
function() {\n
    return null;\n
}\n
}\n\n
    evalPlugin(contents, context, imports, pluginOptions, fileInfo)
{\n\n
        let loader, registry, pluginObj, localModule, pluginManager, filename, result;\n\n
        pluginManager =
context.pluginManager;\n\n
        if (fileInfo) {\n
            if (typeof fileInfo === 'string') {\n
                filename =
fileInfo;\n
            }\n
            else {\n
                filename = fileInfo.filename;\n
            }\n
        }\n\n
        const shortname
= (new this.less.FileManager()).extractUrlParts(filename).filename;\n\n
        if (filename) {\n
            pluginObj =
pluginManager.get(filename);\n\n
            if (pluginObj) {\n
                result = this.trySetOptions(pluginObj,
filename, shortname, pluginOptions);\n\n
                if (result) {\n
                    return result;\n
                }\n\n
                try
{\n
                    if (pluginObj.use) {\n
                        pluginObj.use.call(this.context, pluginObj);\n
                    }\n\n
                    catch (e) {\n
                        e.message = e.message || 'Error
during @plugin call';\n
                        return new LessError(e, imports, filename);\n
                    }\n\n
                    return
pluginObj;\n
                }\n\n
            }\n\n
            localModule = {\n
                exports: {},\n
                pluginManager,\n
                fileInfo\n
            };\n\n
            registry = functionRegistry.create();\n\n
            const registerPlugin = function(obj) {\n
                pluginObj = obj;\n
            };\n\n
            try {\n
                loader = new Function('module', 'require', 'registerPlugin',
'functions', 'tree', 'less', 'fileInfo', contents);\n\n
                loader(localModule, this.require(filename), registerPlugin,
registry, this.less.tree, this.less, fileInfo);\n\n
            }\n\n
            catch (e) {\n
                return new LessError(e, imports,
filename);\n
            }\n\n
            if (!pluginObj) {\n
                pluginObj = localModule.exports;\n
            }\n\n
            pluginObj =
this.validatePlugin(pluginObj, filename, shortname);\n\n
            if (pluginObj instanceof LessError) {\n
                return pluginObj;\n
            }\n\n
            if (pluginObj) {\n
                pluginObj.imports = imports;\n\n
                pluginObj.filename = filename;\n\n
                // For < 3.x (or unspecified minVersion) - setOptions() before install()\n
                if (!pluginObj.minVersion || this.compareVersion('3.0.0', pluginObj.minVersion) < 0) {\n
                    result =
this.trySetOptions(pluginObj, filename, shortname, pluginOptions);\n\n
                    if (result) {\n
                        return
result;\n
                    }\n\n
                }\n\n
                // Run on first load\n
                pluginManager.addPlugin(pluginObj,
fileInfo.filename, registry);\n\n
                pluginObj.functions = registry.getLocalFunctions();\n\n
                // Need to call
setOptions again because the pluginObj might have functions\n
                result = this.trySetOptions(pluginObj,
filename, shortname, pluginOptions);\n\n
                if (result) {\n
                    return result;\n
                }\n\n
                // Run
every @plugin
call\n\n
                try {\n
                    if (pluginObj.use) {\n
                        pluginObj.use.call(this.context, pluginObj);\n
                    }\n\n
                    catch (e) {\n
                        e.message = e.message || 'Error during @plugin call';\n
                        return
new LessError(e, imports, filename);\n
                    }\n\n
                    else {\n
                        return new LessError({ message:
'Not a valid plugin' }, imports, filename);\n
                    }\n\n
                    return pluginObj;\n\n
                }\n\n
            }\n\n
            trySetOptions(plugin,
filename, name, options) {\n
                if (options && !plugin.setOptions) {\n
                    return new LessError({\n
message: `Options have been provided but the plugin ${name} does not support any options.`\n
                });\n
            }\n\n
            }\n\n
            try {\n
                plugin.setOptions && plugin.setOptions(options);\n
            }\n\n
            catch (e) {\n
                return new
LessError(e);\n
            }\n\n
            }\n\n
            validatePlugin(plugin, filename, name) {\n
                if
(plugin) {\n
                    // support plugins being a function\n
                    // so that the plugin can be more usable
programmatically\n
                    if (typeof plugin === 'function') {\n
                        plugin = new plugin();\n
                    }\n\n
                }\n\n
                if (plugin.minVersion) {\n
                    if (this.compareVersion(plugin.minVersion, this.less.version) < 0) {\n
                        return new LessError({\n
message: `Plugin ${name} requires version
${this.versionToString(plugin.minVersion)}`\n
                    });\n
                }\n\n
            }\n\n
            }\n\n
            return plugin;\n
        }\n\n
        return null;\n
    }\n\n
    compareVersion(aVersion, bVersion) {\n
        if (typeof aVersion === 'string') {\n

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```

    aVersion = aVersion.match(/^(\\d+)\\.?(\\d+)?\\.?(\\d+)?/);
    aVersion.shift();
    }
    for (let i = 0; i < aVersion.length; i++) {
        if (aVersion[i] !== bVersion[i]) {
            return parseInt(aVersion[i]) >
            parseInt(bVersion[i])
            ? -1 : 1;
        }
    }
    return 0;
}

versionToString(version) {
    let versionString = "";
    for (let i = 0; i < version.length; i++) {
        versionString += (versionString ? '!' : '') + version[i];
    }
    return versionString;
}

printUsage(plugins) {
    for (let i = 0; i < plugins.length; i++) {
        const plugin = plugins[i];
        if (plugin.printUsage) {
            plugin.printUsage();
        }
    }
}

export default AbstractPluginLoader;
", "import tree from './tree';
const _visitArgs = { visitDeeper: true };
let _hasIndexed = false;
function _noop(node) {
    return node;
}

function indexNodeTypes(parent, ticker) {
    // add .typeIndex to tree node types for lookup table
    let key, child;
    for (key in parent) {
        /* eslint guard-for-in: 0 */
        child = parent[key];
        switch (typeof child) {
            case 'function':
                // ignore bound functions directly on tree which do not have a prototype
                // or aren't nodes
                if (child.prototype && child.prototype.type) {
                    child.prototype.typeIndex = ticker++;
                }
                break;
            case 'object':
                ticker = indexNodeTypes(child, ticker);
                break;
        }
    }
    return ticker;
}

class Visitor {
    constructor(implementation) {
        this._implementation = implementation;
        this._visitInCache = {};
        this._visitOutCache = {};
        if (!_hasIndexed) {
            indexNodeTypes(tree, 1);
            _hasIndexed = true;
        }
    }

    visit(node) {
        if (!node) {
            return node;
        }
        const nodeTypeIndex = node.typeIndex;
        if (!nodeTypeIndex) {
            // MixinCall args aren't a node type?
            if (node.value && node.value.typeIndex) {
                this.visit(node.value);
            }
            return node;
        }
        const impl = this._implementation;
        let func = this._visitInCache[nodeTypeIndex];
        let funcOut = this._visitOutCache[nodeTypeIndex];
        const visitArgs = _visitArgs;
        let fnName;
        visitArgs.visitDeeper = true;
        if (!func) {
            fnName = `visit${node.type}`;
            func = impl[fnName] || _noop;
            funcOut = impl[`_${fnName}Out`] || _noop;
            this._visitInCache[nodeTypeIndex] = func;
            this._visitOutCache[nodeTypeIndex] = funcOut;
        }
        if (func !== _noop) {
            const newNode = func.call(impl, node, visitArgs);
            if (node && impl.isReplacing) {
                node = newNode;
            }
            if (visitArgs.visitDeeper && node) {
                if (node.length) {
                    for (let i = 0, cnt = node.length; i < cnt; i++) {
                        if (node[i].accept) {
                            node[i].accept(this);
                        }
                    }
                } else if (node.accept) {
                    node.accept(this);
                }
            }
            if (funcOut !== _noop) {
                funcOut.call(impl, node);
            }
            return node;
        }
        visitArray(nodes, nonReplacing) {
            if (!nodes) {
                return nodes;
            }
            const cnt = nodes.length;
            let i;
            // Non-replacing
            if (nonReplacing || !this._implementation.isReplacing) {
                for (i = 0; i < cnt; i++) {
                    this.visit(nodes[i]);
                }
                return nodes;
            }
            // Replacing
            const out = [];
            for (i = 0; i < cnt; i++) {
                const evald = this.visit(nodes[i]);
                if (evald === undefined) {
                    continue;
                }
                if (!evald.splice) {
                    out.push(evald);
                } else if (evald.length) {
                    this.flatten(evald, out);
                }
            }
            return out;
        }

        flatten(arr, out) {
            if (!out) {
                out = [];
            }
            let cnt, i, item, nestedCnt, j, nestedItem;
            for (i = 0, cnt = arr.length; i < cnt; i++) {
                item = arr[i];
                if (item === undefined) {
                    continue;
                }
                if (!item.splice) {
                    out.push(item);
                    continue;
                }
                for (j = 0, nestedCnt = item.length; j < nestedCnt; j++) {
                    nestedItem = item[j];
                    if (nestedItem === undefined) {
                        continue;
                    }
                    if (!nestedItem.splice) {
                        out.push(nestedItem);
                    } else if (nestedItem.length) {
                        this.flatten(nestedItem, out);
                    }
                }
            }
        }
    }
    return out;
}

export default Visitor;
", "class ImportSequencer {
    constructor(onSequencerEmpty) {
        this.imports = [];
        this.variableImports = [];
        this._onSequencerEmpty = onSequencerEmpty;
        this._currentDepth = 0;
    }

    addImport(callback) {
        const importSequencer = this;
        importItem = {
            callback,
            args: null,

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isReady: false\n    });\n    this.imports.push(importItem);\n    return function() {\n        importItem.args =
Array.prototype.slice.call(arguments, 0);\n        importItem.isReady = true;\n        importSequencer.tryRun();\n    };\n }\n\n addVariableImport(callback) {\n    this.variableImports.push(callback);\n }\n\n tryRun() {\n    this._currentDepth++;\n    try {\n        while (true) {\n            while (this.imports.length > 0) {\n
const importItem =
this.imports[0];\n            if (!importItem.isReady) {\n                return;\n            }\n
this.imports = this.imports.slice(1);\n            importItem.callback.apply(null, importItem.args);\n        }\n        if (this.variableImports.length === 0) {\n            break;\n        }\n        const variableImport =
this.variableImports[0];\n        this.variableImports = this.variableImports.slice(1);\n        variableImport();\n    } finally {\n        this._currentDepth--;\n    }\n    if (this._currentDepth
=== 0 && this._onSequencerEmpty) {\n        this._onSequencerEmpty();\n    }\n }\n\n\nexport default
ImportSequencer;\n", "import contexts from './contexts';\n\nimport Visitor from './visitor';\n\nimport ImportSequencer
from './import-sequencer';\n\nimport * as utils from './utils';\n\n\nconst ImportVisitor = function(importer, finish)
{\n\n    this._visitor = new Visitor(this);\n    this._importer = importer;\n    this._finish = finish;\n    this.context =
new contexts.Eval();\n    this.importCount = 0;\n    this.onceFileDetectionMap = {};\n    this.recursionDetector =
{};\n    this._sequencer = new
ImportSequencer(this._onSequencerEmpty.bind(this));\n};\n\n\nImportVisitor.prototype = {\n    isReplacing: false,\n    run: function (root) {\n        try {\n            // process the contents\n            this._visitor.visit(root);\n        }\n        catch (e) {\n            this.error = e;\n        }\n        this.isFinished = true;\n        this._sequencer.tryRun();\n    },\n    _onSequencerEmpty: function() {\n        if (!this.isFinished) {\n            return;\n        }\n        this._finish(this.error);\n    },\n    visitImport: function (importNode, visitArgs) {\n        const inlineCSS =
importNode.options.inline;\n        if (!importNode.css || inlineCSS) {\n            const context = new
contexts.Eval(this.context,
utils.copyArray(this.context.frames));\n            const importParent = context.frames[0];\n\n            this.importCount++;\n            if (importNode.isVariableImport()) {\n                this._sequencer.addVariableImport(this.processImportNode.bind(this, importNode, context, importParent));\n            } else {\n                this.processImportNode(importNode, context, importParent);\n            }\n        }\n        visitArgs.visitDeeper = false;\n    },\n    processImportNode: function(importNode, context, importParent) {\n        let evaldImportNode;\n        const inlineCSS = importNode.options.inline;\n        try {\n            evaldImportNode =
importNode.evalForImport(context);\n        } catch (e) {\n            if (!e.filename) { e.index = importNode.getIndex();\n            e.filename = importNode.fileInfo().filename; }\n            // attempt to eval properly and treat as css\n            importNode.css = true;\n            // if that fails, this error will
be thrown\n            importNode.error = e;\n        }\n        if (evaldImportNode && (!evaldImportNode.css ||
inlineCSS)) {\n            if (evaldImportNode.options.multiple) {\n                context.importMultiple = true;\n            }\n            // try appending if we haven't determined if it is css or not\n            const tryAppendLessExtension =
evaldImportNode.css === undefined;\n            for (let i = 0; i < importParent.rules.length; i++) {\n                if
(importParent.rules[i] === importNode) {\n                    importParent.rules[i] = evaldImportNode;\n                    break;\n                }\n            }\n            const onImported = this.onImported.bind(this, evaldImportNode, context),
sequencedOnImported = this._sequencer.addImport(onImported);\n\n            this._importer.push(evaldImportNode.getPath(), tryAppendLessExtension, evaldImportNode.fileInfo(),\n            evaldImportNode.options, sequencedOnImported);\n        } else\n        {\n            this.importCount--;\n            if (this.isFinished) {\n                this._sequencer.tryRun();\n            }\n        }\n    },\n    onImported: function (importNode, context, e, root, importedAtRoot, fullPath) {\n        if (e) {\n            if (!e.filename) {\n                e.index = importNode.getIndex();\n                e.filename = importNode.fileInfo().filename;\n            }\n            this.error = e;\n        }\n        const importVisitor = this,\n            inlineCSS =
importNode.options.inline,\n            isPlugin = importNode.options.isPlugin,\n            isOptional =
importNode.options.optional,\n            duplicateImport = importedAtRoot || fullPath in
importVisitor.recursionDetector;\n        if (!context.importMultiple) {\n            if (duplicateImport) {\n

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importNode.skip = true;\n      } else {\n          importNode.skip = function() {\n              if (fullPath in
importVisitor.onceFileDetectionMap) {\n
                return true;\n            }\n            importVisitor.onceFileDetectionMap[fullPath] = true;\n
            return false;\n          };\n        }\n      }\n\n      if (!fullPath && isOptional) {\n          importNode.skip =
true;\n        }\n\n        if (root) {\n            importNode.root = root;\n            importNode.importedFilename =
fullPath;\n\n            if (!inlineCSS && !isPlugin && (context.importMultiple || !duplicateImport)) {\n
importVisitor.recursionDetector[fullPath] = true;\n\n                const oldContext = this.context;\n                this.context = context;\n                try {\n                    this._visitor.visit(root);\n                } catch (e) {\n
this.error = e;\n                }\n                this.context = oldContext;\n            }\n        }\n\nimportVisitor.importCount--;\n\n        if (importVisitor.isFinished) {\n            importVisitor._sequencer.tryRun();\n        }\n    },\n    visitDeclaration: function (declNode, visitArgs) {\n        if (declNode.value.type ===
'DetachedRuleset') {\n            this.context.frames.unshift(declNode);\n        } else {\n            visitArgs.visitDeeper =
false;\n        }\n    },\n    visitDeclarationOut: function(declNode) {\n        if (declNode.value.type ===
'DetachedRuleset') {\n            this.context.frames.shift();\n        }\n    },\n    visitAtRule: function (atRuleNode,
visitArgs) {\n        this.context.frames.unshift(atRuleNode);\n    },\n    visitAtRuleOut: function (atRuleNode) {\n
this.context.frames.shift();\n    },\n    visitMixinDefinition: function (mixinDefinitionNode, visitArgs) {\n
this.context.frames.unshift(mixinDefinitionNode);\n    },\n    visitMixinDefinitionOut: function
(mixinDefinitionNode) {\n        this.context.frames.shift();\n    },\n    visitRuleset: function (rulesetNode, visitArgs)
{\n        this.context.frames.unshift(rulesetNode);\n
    },\n    visitRulesetOut: function (rulesetNode) {\n        this.context.frames.shift();\n    },\n    visitMedia: function
(mediaNode, visitArgs) {\n        this.context.frames.unshift(mediaNode.rules[0]);\n    },\n    visitMediaOut: function
(mediaNode) {\n        this.context.frames.shift();\n    };\n\nexport default ImportVisitor;\n","class
SetTreeVisibilityVisitor {\n    constructor(visible) {\n        this.visible = visible;\n    }\n\n    run(root) {\n
this.visit(root);\n    }\n\n    visitArray(nodes) {\n        if (!nodes) {\n            return nodes;\n        }\n\n        const cnt =
nodes.length;\n        let i;\n        for (i = 0; i < cnt; i++) {\n            this.visit(nodes[i]);\n        }\n        return nodes;\n
    }\n\n    visit(node) {\n        if (!node) {\n            return node;\n        }\n        if (node.constructor === Array) {\n
return this.visitArray(node);\n        }\n\n        if (!node.blocksVisibility || node.blocksVisibility())\n        {\n            return node;\n        }\n        if (this.visible) {\n            node.ensureVisibility();\n        } else {\n
node.ensureInvisibility();\n        }\n\n        node.accept(this);\n        return node;\n    }\n\n\nexport default
SetTreeVisibilityVisitor;","import tree from './tree';\nimport Visitor from './visitor';\nimport logger from
'./logger';\nimport * as utils from './utils';\n\n/* jshint loopfunc:true */\n\nclass ExtendFinderVisitor {\n    constructor() {\n
this._visitor = new Visitor(this);\n        this.contexts = [];\n        this.allExtendsStack = [];\n    }\n\n    run(root) {\n
root = this._visitor.visit(root);\n        root.allExtends = this.allExtendsStack[0];\n        return
root;\n    }\n\n    visitDeclaration(declNode, visitArgs) {\n        visitArgs.visitDeeper = false;\n    }\n\n    visitMixinDefinition(mixinDefinitionNode, visitArgs) {\n
visitArgs.visitDeeper = false;\n    }\n\n    visitRuleset(rulesetNode,
visitArgs) {\n        if (rulesetNode.root) {\n            return;\n        }\n\n        let i;\n        let j;\n        let extend;\n
const allSelectorsExtendList = [];\n        let extendList;\n\n        // get &:extend(.a); rules which apply to all selectors
in this ruleset\n        const rules = rulesetNode.rules, ruleCnt = rules ? rules.length : 0;\n        for (i = 0; i < ruleCnt;
i++) {\n            if (rulesetNode.rules[i] instanceof tree.Extend) {\n                allSelectorsExtendList.push(rules[i]);\n
rulesetNode.extendOnEveryPath = true;\n            }\n        }\n\n        // now find every selector and apply the
extends that apply to all extends\n        // and the ones which apply to an individual extend\n        const paths =
rulesetNode.paths;\n        for (i = 0; i < paths.length; i++) {\n            const selectorPath = paths[i], selector =
selectorPath[selectorPath.length - 1], selExtendList = selector.extendList;\n\n            extendList = selExtendList
? utils.copyArray(selExtendList).concat(allSelectorsExtendList)\n            : allSelectorsExtendList;\n\n            if
(extendList) {\n                extendList = extendList.map(function(allSelectorsExtend) {\n                    return
allSelectorsExtend.clone();\n                });\n            }\n\n            for (j = 0; j < extendList.length; j++) {\n
this.foundExtends = true;\n                extend = extendList[j];\n                extend.findSelfSelectors(selectorPath);\n

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    extend.ruleset = rulesetNode;\n        if (j === 0) { extend.firstExtendOnThisSelectorPath = true; }\n
    this.allExtendsStack[this.allExtendsStack.length - 1].push(extend);\n        }\n    }\n\n
this.contexts.push(rulesetNode.selectors);\n    }\n\n    visitRulesetOut(rulesetNode) {\n        if (!rulesetNode.root) {\n
        this.contexts.length = this.contexts.length - 1;\n        }\n    }\n    visitMedia(mediaNode, visitArgs)\n
    {\n        mediaNode.allExtends = [];\n        this.allExtendsStack.push(mediaNode.allExtends);\n    }\n\n
visitMediaOut(mediaNode) {\n        this.allExtendsStack.length = this.allExtendsStack.length - 1;\n    }\n\n
visitAtRule(atRuleNode, visitArgs) {\n        atRuleNode.allExtends = [];\n
this.allExtendsStack.push(atRuleNode.allExtends);\n    }\n\n    visitAtRuleOut(atRuleNode) {\n
this.allExtendsStack.length = this.allExtendsStack.length - 1;\n    }\n\n}\n\n\nclass ProcessExtendsVisitor {\n
constructor() {\n        this._visitor = new Visitor(this);\n    }\n\n    run(root) {\n        const extendFinder = new\n
ExtendFinderVisitor();\n        this.extendIndices = {};\n        extendFinder.run(root);\n        if\n
(!extendFinder.foundExtends) { return root; }\n        root.allExtends =\n
root.allExtends.concat(this.doExtendChaining(root.allExtends, root.allExtends));\n        this.allExtendsStack =\n
[root.allExtends];\n        const newRoot = this._visitor.visit(root);\n
        this.checkExtendsForNonMatched(root.allExtends);\n        return newRoot;\n    }\n\n
checkExtendsForNonMatched(extendList) {\n        const indices = this.extendIndices;\n
extendList.filter(function(extend) {\n            return !extend.hasFoundMatches && extend.parent_ids.length === 1;\n
        }).forEach(function(extend) {\n            let selector = '_unknown_';\n            try {\n                selector =\n
extend.selector.toCSS({});\n            }\n            catch (_) {};\n            if (!indices['${extend.index} ${selector}'])\n
{\n                indices['${extend.index} ${selector}'] = true;\n                logger.warn(`extend '${selector}' has no\n
matches`);\n            }\n        });\n    }\n\n    doExtendChaining(extendsList, extendsListTarget, iterationCount) {\n
//\n        // chaining is different from normal extension.. if we extend an extend then we are not just copying,\n
altering\n        // and pasting the selector we would do normally,\n
but we are also adding an extend with the same target selector\n        // this means this new extend can then go and\n
alter other extends\n        //\n        // this method deals with all the chaining work - without it, extend is flat and\n
doesn't work on other extend selectors\n        // this is also the most expensive.. and a match on one selector can\n
cause an extension of a selector we had already\n        // processed if we look at each selector at a time, as is done in\n
visitRuleset\n        let extendIndex;\n        let targetExtendIndex;\n        let matches;\n        const extendsToAdd =\n
[];\n        let newSelector;\n        const extendVisitor = this;\n        let selectorPath;\n        let extend;\n        let\n
targetExtend;\n        let newExtend;\n        iterationCount = iterationCount || 0;\n        // loop through comparing\n
every extend with every target extend.\n        // a target extend is the one on the ruleset we are looking at\n
copy/edit/pasting in place\n
        // e.g. .a:extend(.b) {} and .b:extend(.c) {} then the first extend extends the second one\n        // and the second\n
is the target.\n        // the separation into two lists allows us to process a subset of chains with a bigger set, as is the\n
// case when processing media queries\n        for (extendIndex = 0; extendIndex < extendsList.length;\n
extendIndex++) {\n            for (targetExtendIndex = 0; targetExtendIndex < extendsListTarget.length;\n
targetExtendIndex++) {\n                extend = extendsList[extendIndex];\n                targetExtend =\n
extendsListTarget[targetExtendIndex];\n                // look for circular references\n                if (\n
extend.parent_ids.indexOf( targetExtend.object_id ) >= 0 ) { continue; }\n                // find a match in the target\n
extends self selector (the bit before :extend)\n                selectorPath = [targetExtend.selfSelectors[0]];\n
matches = extendVisitor.findMatch(extend, selectorPath);\n
                if (matches.length) {\n                    extend.hasFoundMatches = true;\n                    // we found a match,\n
so for each self selector..\n                    extend.selfSelectors.forEach(function(selfSelector) {\n                        const\n
info = targetExtend.visibilityInfo();\n                        // process the extend as usual\n                        newSelector =\n
extendVisitor.extendSelector(matches, selectorPath, selfSelector, extend.isVisible());\n                        // but now\n
we create a new extend from it\n                        newExtend = new(tree.Extend)(targetExtend.selector,\n
targetExtend.option, 0, targetExtend.fileInfo(), info);\n                        newExtend.selfSelectors = newSelector;\n
                        // add the extend onto the list of extends for that selector\n                        newSelector[newSelector.length]

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- 1].extendList = [newExtend];\n\n          // record that we need to add it.\n          extendsToAdd.push(newExtend);\n          newExtend.ruleset = targetExtend.ruleset;\n          // remember its parents for circular references\n          newExtend.parent_ids =\nnewExtend.parent_ids.concat(targetExtend.parent_ids, extend.parent_ids);\n          // only process the\nselector once.. if we have :extend(.a, b) then multiple\n          // extends will look at the same selector path,\nso when extending\n          // we know that any others will be duplicates in terms of what is added to the\ncss\n          if (targetExtend.firstExtendOnThisSelectorPath) {\nnewExtend.firstExtendOnThisSelectorPath = true;\n          targetExtend.ruleset.paths.push(newSelector);\n          }\n          });\n          }\n          }\n}\n\n    if (extendsToAdd.length) {\n        // try to detect\n        circular references to stop a stack overflow.\n        // may no longer be needed.\n        this.extendChainCount++;\n        if (iterationCount > 100) {\n            let selectorOne = '{unable to calculate}';\n            let selectorTwo = '{unable to calculate}';\n            try {\n                selectorOne =\nextendsToAdd[0].selfSelectors[0].toCSS();\n                selectorTwo = extendsToAdd[0].selector.toCSS();\n            }\n            catch (e) {\n                throw { message: `extend circular reference detected. One of the circular\nextends is currently:${selectorOne}:extend(${selectorTwo})`};\n            }\n            // now process the new extends\non the existing rules so that we can handle a extending b extending c extending\n            // d extending e...\nreturn extendsToAdd.concat(extendVisitor.doExtendChaining(extendsToAdd, extendsListTarget, iterationCount +\n1));\n        } else {\n            return\nextendsToAdd;\n        }\n    }\n\n    visitDeclaration(ruleNode, visitArgs) {\n        visitArgs.visitDeeper = false;\n    }\n\n    visitMixinDefinition(mixinDefinitionNode, visitArgs) {\n        visitArgs.visitDeeper = false;\n    }\n\n    visitSelector(selectorNode, visitArgs) {\n        visitArgs.visitDeeper = false;\n    }\n\n    visitRuleset(rulesetNode,\nvisitArgs) {\n        if (rulesetNode.root) {\n            return;\n        }\n        let matches;\n        let pathIndex;\n        let\nextendIndex;\n        const allExtends = this.allExtendsStack[this.allExtendsStack.length - 1];\n        const\nselectorsToAdd = [];\n        const extendVisitor = this;\n        let selectorPath;\n\n        // look at each selector path in\nthe ruleset, find any extend matches and then copy, find and replace\n        for (extendIndex = 0; extendIndex <\nallExtends.length; extendIndex++) {\n            for (pathIndex = 0; pathIndex < rulesetNode.paths.length;\npathIndex++) {\n                selectorPath\n                = rulesetNode.paths[pathIndex];\n\n                // extending extends happens initially, before the main pass\nif (rulesetNode.extendOnEveryPath) { continue; }\n                const extendList = selectorPath[selectorPath.length -\n1].extendList;\n                if (extendList && extendList.length) { continue; }\n                matches =\nthis.findMatch(allExtends[extendIndex], selectorPath);\n                if (matches.length) {\nallExtends[extendIndex].hasFoundMatches = true;\n\n                allExtends[extendIndex].selfSelectors.forEach(function(selfSelector) {\n                    let extendedSelectors;\n                    extendedSelectors = extendVisitor.extendSelector(matches, selectorPath, selfSelector,\nallExtends[extendIndex].isVisible());\n                    selectorsToAdd.push(extendedSelectors);\n                });\n            }\n        }\n        rulesetNode.paths = rulesetNode.paths.concat(selectorsToAdd);\n    }\n\n    findMatch(extend, haystackSelectorPath) {\n        // look through the haystack selector path to try\nand find the needle - extend.selector\n        // returns an array of selector matches that can then be replaced\n        //\n        let haystackSelectorIndex;\n        let haystackSelector;\n        let haystackElementIndex;\n        let\nhaystackElement;\n        let targetCombinator;\n        let i;\n        const extendVisitor = this;\n        const\nneedleElements = extend.selector.elements;\n        const potentialMatches = [];\n        let potentialMatch;\n        const\nmatches = [];\n        // loop through the haystack elements\n        for (haystackSelectorIndex = 0;\nhaystackSelectorIndex < haystackSelectorPath.length; haystackSelectorIndex++) {\n            haystackSelector =\nhaystackSelectorPath[haystackSelectorIndex];\n            for (hackstackElementIndex = 0; hackstackElementIndex\n< hackstackSelector.elements.length;\nhackstackElementIndex++) {\n                haystackElement =\nhackstackSelector.elements[hackstackElementIndex];\n                // if we allow elements before our match we can

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add a potential match every time. otherwise only at the first element.\n        if (extend.allowBefore ||
(haystackSelectorIndex === 0 && hackstackElementIndex === 0)) {\n
potentialMatches.push({pathIndex: haystackSelectorIndex, index: hackstackElementIndex, matched: 0,\n    initialCombinator: haystackElement.combinator});\n        }\n        for (i = 0; i <
potentialMatches.length; i++) {\n            potentialMatch = potentialMatches[i];\n            // selectors add
\" \" onto the first element. When we use & it joins the selectors together, but if we don't\n            // then each
selector in haystackSelectorPath has a space before it added in the toCSS phase. so we need to\n            // work
out what the resulting combinator will be\n            targetCombinator = haystackElement.combinator.value;\n            if (targetCombinator === \" && hackstackElementIndex === 0) {\n                targetCombinator = ');\n            }\n            // if we don't match, null our match to indicate failure\n            if
(!extendVisitor.isElementValuesEqual(needleElements[potentialMatch.matched].value, haystackElement.value) ||\n
                (potentialMatch.matched > 0 && needleElements[potentialMatch.matched].combinator.value !==
targetCombinator)) {\n                potentialMatch = null;\n            } else {\n
potentialMatch.matched++;\n            }\n            // if we are still valid and have finished, test whether we
have elements after and whether these are allowed\n            if (potentialMatch) {\n
potentialMatch.finished
= potentialMatch.matched === needleElements.length;\n            if (potentialMatch.finished &&\n
                (!extend.allowAfter &&\n
                    (hackstackElementIndex + 1 <
hackstackSelector.elements.length || haystackSelectorIndex + 1 < haystackSelectorPath.length))) {\n
potentialMatch = null;\n            }\n            // if null we remove, if not, we are still valid,
so either push as a valid match or continue\n            if (potentialMatch) {\n                if
(potentialMatch.finished) {\n                    potentialMatch.length = needleElements.length;\n
potentialMatch.endPathIndex = haystackSelectorIndex;\n                    potentialMatch.endPathElementIndex =
hackstackElementIndex + 1; // index after end of match\n                    potentialMatches.length = 0; // we don't
allow matches to
overlap, so start matching again\n                    matches.push(potentialMatch);\n                }\n            }
else {\n                potentialMatches.splice(i, 1);\n                i--;\n            }\n        }\n    }\n    return matches;\n}\n\nisElementValuesEqual(elementValue1, elementValue2) {\n    if (typeof
elementValue1 === 'string' || typeof elementValue2 === 'string') {\n        return elementValue1 ===
elementValue2;\n    }\n    if (elementValue1 instanceof tree.Attribute) {\n        if (elementValue1.op !==
elementValue2.op || elementValue1.key !== elementValue2.key) {\n            return false;\n        }\n        if
(!elementValue1.value || !elementValue2.value) {\n            if (elementValue1.value || elementValue2.value) {\n
                return false;\n            }\n            return true;\n        }\n        elementValue1
= elementValue1.value.value || elementValue1.value;\n        elementValue2 = elementValue2.value.value ||
elementValue2.value;\n        return elementValue1 === elementValue2;\n    }\n    elementValue1 =
elementValue1.value;\n    elementValue2 = elementValue2.value;\n    if (elementValue1 instanceof
tree.Selector) {\n        if (!(elementValue2 instanceof tree.Selector) || elementValue1.elements.length !==
elementValue2.elements.length) {\n            return false;\n        }\n        for (let i = 0; i <
elementValue1.elements.length; i++) {\n            if (elementValue1.elements[i].combinator.value !==
elementValue2.elements[i].combinator.value) {\n                if (i !== 0 ||
(elementValue1.elements[i].combinator.value || ' ') !== (elementValue2.elements[i].combinator.value || ' ')) {\n
                    return false;\n                }\n            }\n            if
(!this.isElementValuesEqual(elementValue1.elements[i].value,
elementValue2.elements[i].value)) {\n                return false;\n            }\n        }\n        return true;\n    }\n    return false;\n}\n\nextendSelector(matches, selectorPath, replacementSelector, isVisible) {\n    //
for a set of matches, replace each match with the replacement selector\n    let currentSelectorPathIndex = 0,
currentSelectorPathElementIndex = 0, path = [], matchIndex, selector, firstElement, match, newElements;\n    for (matchIndex = 0; matchIndex < matches.length; matchIndex++) {\n        match = matches[matchIndex];\n

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    selector = selectorPath[match.pathIndex];\n        firstElement = new tree.Element(\n
match.initialCombinator,\n        replacementSelector.elements[0].value,\n
replacementSelector.elements[0].isVariable,\n        replacementSelector.elements[0].getIndex(),\n
replacementSelector.elements[0].fileInfo()\n
    );\n\n        if (match.pathIndex > currentSelectorPathIndex && currentSelectorPathElementIndex > 0) {\n
        path[path.length - 1].elements = path[path.length - 1]\n
        .elements.concat(selectorPath[currentSelectorPathIndex].elements.slice(currentSelectorPathElementIndex));\n
        currentSelectorPathElementIndex = 0;\n        currentSelectorPathIndex++;;\n        }\n\nnewElements = selector.elements\n        .slice(currentSelectorPathElementIndex, match.index)\n
        .concat([firstElement])\n        .concat(replacementSelector.elements.slice(1));\n\n        if\n
(currentSelectorPathIndex === match.pathIndex && matchIndex > 0) {\n        path[path.length - 1].elements\n
= \n        path[path.length - 1].elements.concat(newElements);\n        } else {\n        path =\n
path.concat(selectorPath.slice(currentSelectorPathIndex, match.pathIndex));\n\n
        path.push(new tree.Selector(\n        newElements\n        ));\n        }\n
currentSelectorPathIndex = match.endPathIndex;\n        currentSelectorPathElementIndex =\n
match.endPathElementIndex;\n        if (currentSelectorPathElementIndex >=\n
selectorPath[currentSelectorPathIndex].elements.length) {\n        currentSelectorPathElementIndex = 0;\n
        currentSelectorPathIndex++;;\n        }\n        }\n\n        if (currentSelectorPathIndex < selectorPath.length &&\n
currentSelectorPathElementIndex > 0) {\n        path[path.length - 1].elements = path[path.length - 1]\n
        .elements.concat(selectorPath[currentSelectorPathIndex].elements.slice(currentSelectorPathElementIndex));\n
currentSelectorPathIndex++;;\n        }\n\n        path = path.concat(selectorPath.slice(currentSelectorPathIndex,\n
selectorPath.length));\n        path = path.map(function (currentValue) {\n        // we can re-use\n
        elements here, because the visibility property matters only for selectors\n        const derived =\n
currentValue.createDerived(currentValue.elements);\n        if (isVisible) {\n        derived.ensureVisibility();\n
        } else {\n        derived.ensureInvisibility();\n        }\n        return derived;\n        });\n        return\n
path;\n    }\n\n    visitMedia(mediaNode, visitArgs) {\n        let newAllExtends =\n
mediaNode.allExtends.concat(this.allExtendsStack[this.allExtendsStack.length - 1]);\n        newAllExtends =\n
newAllExtends.concat(this.doExtendChaining(newAllExtends, mediaNode.allExtends));\n
this.allExtendsStack.push(newAllExtends);\n    }\n\n    visitMediaOut(mediaNode) {\n        const lastIndex =\n
this.allExtendsStack.length - 1;\n        this.allExtendsStack.length = lastIndex;\n    }\n\n    visitAtRule(atRuleNode,\n
visitArgs) {\n        let newAllExtends =\n
atRuleNode.allExtends.concat(this.allExtendsStack[this.allExtendsStack.length\n
- 1]);\n        newAllExtends = newAllExtends.concat(this.doExtendChaining(newAllExtends,\n
atRuleNode.allExtends));\n        this.allExtendsStack.push(newAllExtends);\n    }\n\n    visitAtRuleOut(atRuleNode)\n
{\n        const lastIndex = this.allExtendsStack.length - 1;\n        this.allExtendsStack.length = lastIndex;\n
    }\n\n}\n\nexport default ProcessExtendsVisitor;\n", "import Visitor from './visitor';\n\nclass JoinSelectorVisitor {\n
constructor() {\n        this.contexts = [];\n        this._visitor = new Visitor(this);\n    }\n\n    run(root) {\n        return\n
this._visitor.visit(root);\n    }\n\n    visitDeclaration(declNode, visitArgs) {\n        visitArgs.visitDeeper = false;\n
    }\n\n    visitMixinDefinition(mixinDefinitionNode, visitArgs) {\n        visitArgs.visitDeeper = false;\n    }\n\n
visitRuleset(rulesetNode, visitArgs) {\n        const context = this.contexts[this.contexts.length - 1];\n        const paths\n
= [];\n        let selectors;\n\n        this.contexts.push(paths);\n\n        if (!rulesetNode.root) {\n        selectors = rulesetNode.selectors;\n        }\n        if (selectors) {\n        selectors\n
= selectors.filter(function(selector) { return selector.getIsOutput(); });\n        rulesetNode.selectors =\n
selectors.length ? selectors : (selectors = null);\n        }\n        if (selectors) {\n        rulesetNode.joinSelectors(paths, context,\n
selectors);\n        }\n        if (!selectors) {\n        rulesetNode.rules = null;\n        }\n        rulesetNode.paths = paths;\n
    }\n\n    visitRulesetOut(rulesetNode) {\n        this.contexts.length = this.contexts.length - 1;\n    }\n\n    visitMedia(mediaNode, visitArgs) {\n        const context = this.contexts[this.contexts.length - 1];\n
mediaNode.rules[0].root = (context.length === 0 || context[0].multiMedia);\n    }\n\n    visitAtRule(atRuleNode,\n

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visitArgs) {\n    const context = this.contexts[this.contexts.length - 1];\n    if (atRuleNode.rules &&
atRuleNode.rules.length)
    {\n        atRuleNode.rules[0].root = (atRuleNode.isRooted || context.length === 0 || null);\n    }\n}\n\nexport default JoinSelectorVisitor;\n", "import tree from './tree';\nimport Visitor from './visitor';\n\n\nclass
CSSVisitorUtils {\n    constructor(context) {\n        this._visitor = new Visitor(this);\n        this._context = context;\n    }\n\n    containsSilentNonBlockedChild(bodyRules) {\n        let rule;\n        if (!bodyRules) {\n            return false;\n        }\n        for (let r = 0; r < bodyRules.length; r++) {\n            rule = bodyRules[r];\n            if (rule.isSilent &&
rule.isSilent(this._context) && !rule.blocksVisibility()) {\n                // the atrule contains something that was
referenced (likely by extend)\n                // therefore it needs to be shown in output too\n                return true;\n            }\n        }\n        return false;\n    }\n\n    keepOnlyVisibleChilds(owner) {\n        if (owner
&& owner.rules) {\n            owner.rules = owner.rules.filter(thing => thing.isVisible());\n        }\n    }\n\n    isEmpty(owner) {\n        return (owner && owner.rules) \n            ? (owner.rules.length === 0) : true;\n    }\n\n    hasVisibleSelector(rulesetNode) {\n        return (rulesetNode && rulesetNode.paths)\n            ?
(rulesetNode.paths.length > 0) : false;\n    }\n\n    resolveVisibility(node, originalRules) {\n        if
(!node.blocksVisibility()) {\n            if (this.isEmpty(node) &&
!this.containsSilentNonBlockedChild(originalRules)) {\n                return ;\n            }\n            return node;\n        }\n\n        const compiledRulesBody = node.rules[0];\n        this.keepOnlyVisibleChilds(compiledRulesBody);\n\n        if (this.isEmpty(compiledRulesBody)) {\n            return ;\n        }\n\n        node.ensureVisibility();\n        node.removeVisibilityBlock();\n\n        return node;\n    }\n\n    isVisibleRuleset(rulesetNode) {\n        if
(rulesetNode.firstRoot)
        {\n            return true;\n        }\n\n        if (this.isEmpty(rulesetNode)) {\n            return false;\n        }\n\n        if
(!rulesetNode.root && !this.hasVisibleSelector(rulesetNode)) {\n            return false;\n        }\n\n        return true;\n    }\n}\n\nconst ToCSSVisitor = function(context) {\n    this._visitor = new Visitor(this);\n    this._context = context;\n    this.utils = new CSSVisitorUtils(context);\n};\n\nToCSSVisitor.prototype = {\n    isReplacing: true,\n    run:
function (root) {\n        return this._visitor.visit(root);\n    },\n\n    visitDeclaration: function (declNode, visitArgs)
{\n        if (declNode.blocksVisibility() || declNode.variable) {\n            return;\n        }\n        return declNode;\n    },\n\n    visitMixinDefinition: function (mixinNode, visitArgs) {\n        // mixin definitions do not get eval'd - this
means they keep state\n        // so we have to clear that state here so it isn't used if toCSS is called
twice\n        mixinNode.frames = [];\n    },\n\n    visitExtend: function (extendNode, visitArgs) {\n    },\n\n    visitComment: function (commentNode, visitArgs) {\n        if (commentNode.blocksVisibility() ||
commentNode.isSilent(this._context)) {\n            return;\n        }\n        return commentNode;\n    },\n\n    visitMedia: function(mediaNode, visitArgs) {\n        const originalRules = mediaNode.rules[0].rules;\n        mediaNode.accept(this._visitor);\n        visitArgs.visitDeeper = false;\n\n        return
this.utils.resolveVisibility(mediaNode, originalRules);\n    },\n\n    visitImport: function (importNode, visitArgs) {\n
        if (importNode.blocksVisibility()) {\n            return ;\n        }\n        return importNode;\n    },\n\n    visitAtRule:
function(atRuleNode, visitArgs) {\n        if (atRuleNode.rules && atRuleNode.rules.length) {\n            return
this.visitAtRuleWithBody(atRuleNode, visitArgs);\n        } else {\n            return
this.visitAtRuleWithoutBody(atRuleNode,
visitArgs);\n        }\n    },\n\n    visitAnonymous: function(anonymousNode, visitArgs) {\n        if
(!anonymousNode.blocksVisibility()) {\n            anonymousNode.accept(this._visitor);\n            return
anonymousNode;\n        }\n    },\n\n    visitAtRuleWithBody: function(atRuleNode, visitArgs) {\n        // if there is
only one nested ruleset and that one has no path, then it is\n        // just fake ruleset\n        function
hasFakeRuleset(atRuleNode) {\n            const bodyRules = atRuleNode.rules;\n            return bodyRules.length ===
1 && (!bodyRules[0].paths || bodyRules[0].paths.length === 0);\n        }\n\n        function getBodyRules(atRuleNode)
{\n            const nodeRules = atRuleNode.rules;\n            if (hasFakeRuleset(atRuleNode)) {\n                return
nodeRules[0].rules;\n            }\n            return nodeRules;\n        }\n\n        // it is still true that it is only one ruleset
in array\n        // this is last such

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moment\n    // process childs\n    const originalRules = getBodyRules(atRuleNode);\n
atRuleNode.accept(this._visitor);\n    visitArgs.visitDeeper = false;\n\n    if (!this.utils.isEmpty(atRuleNode))\n    {\n        this._mergeRules(atRuleNode.rules[0].rules);\n    }\n\n    return\n    this.utils.resolveVisibility(atRuleNode, originalRules);\n    },\n\n    visitAtRuleWithoutBody: function(atRuleNode,\n    visitArgs) {\n        if (atRuleNode.blocksVisibility()) {\n            return;\n        }\n\n        if (atRuleNode.name ===\n        '@charset') {\n            // Only output the debug info together with subsequent @charset definitions\n            // a\n            comment (or @media statement) before the actual @charset atrule would\n            // be considered illegal css as it\n            has to be on the first line\n            if (this.charset) {\n                if (atRuleNode.debugInfo) {\n                    const\n                    comment = new tree.Comment(`/* ${atRuleNode.toCSS(this._context).replace(/\\n/g,\n                    '')} */`);\n                    comment.debugInfo = atRuleNode.debugInfo;\n                    return\n                    this._visitor.visit(comment);\n                }\n                return;\n            }\n            this.charset = true;\n        }\n\n        return atRuleNode;\n    },\n\n    checkValidNodes: function(rules, isRoot) {\n        if (!rules) {\n            return;\n        }\n\n        for (let i = 0; i < rules.length; i++) {\n            const ruleNode = rules[i];\n            if (isRoot && ruleNode\n            instanceof tree.Declaration && !ruleNode.variable) {\n                throw { message: 'Properties must be inside\n                selector blocks. They cannot be in the root',\n                index: ruleNode.getIndex(), filename: ruleNode.fileInfo()\n                && ruleNode.fileInfo().filename};\n            }\n            if (ruleNode instanceof tree.Call) {\n                throw {\n                message: `Function '${ruleNode.name}' did not return a root node`,\n                index: ruleNode.getIndex(),\n                filename:\n                ruleNode.fileInfo() && ruleNode.fileInfo().filename};\n            }\n            if (ruleNode.type &&\n            !ruleNode.allowRoot) {\n                throw { message: `${ruleNode.type} node returned by a function is not valid\n                here`,\n                index: ruleNode.getIndex(), filename: ruleNode.fileInfo() && ruleNode.fileInfo().filename};\n            }\n        }\n    },\n\n    visitRuleset: function(rulesetNode, visitArgs) {\n        // at this point rulesets are nested\n        into each other\n        let rule;\n\n        const rulesets = [];\n        this.checkValidNodes(rulesetNode.rules,\n        rulesetNode.firstRoot);\n\n        if (!rulesetNode.root) {\n            // remove invisible paths\n            this._compileRulesetPaths(rulesetNode);\n\n            // remove rulesets from this ruleset body and compile them\n            separately\n            const nodeRules = rulesetNode.rules;\n            let nodeRuleCnt = nodeRules ?\n            nodeRules.length : 0;\n\n            for (let i = 0; i < nodeRuleCnt;\n            ) {\n                rule = nodeRules[i];\n                if (rule && rule.rules) {\n                    // visit because we are moving\n                    them out from being a child\n                    rulesets.push(this._visitor.visit(rule));\n                    nodeRules.splice(i,\n                    1);\n                    nodeRuleCnt--;\n                    continue;\n                }\n                i++;\n            }\n            // accept\n            the visitor to remove rules and refactor itself\n            // then we can decide nogw whether we want it or not\n            // compile body\n            if (nodeRuleCnt > 0) {\n                rulesetNode.accept(this._visitor);\n            } else {\n                rulesetNode.rules = null;\n            }\n            visitArgs.visitDeeper = false;\n        } else {\n            // if (!\n            rulesetNode.root) {\n                rulesetNode.accept(this._visitor);\n                visitArgs.visitDeeper = false;\n            }\n        }\n        if (rulesetNode.rules) {\n            this._mergeRules(rulesetNode.rules);\n            this._removeDuplicateRules(rulesetNode.rules);\n        }\n\n        // now decide whether we keep the ruleset\n        if (this.utils.isVisibleRuleset(rulesetNode)) {\n            rulesetNode.ensureVisibility();\n            rulesets.splice(0,\n            0, rulesetNode);\n        }\n        if (rulesets.length === 1) {\n            return rulesets[0];\n        }\n        return\n        rulesets;\n    },\n\n    _compileRulesetPaths: function(rulesetNode) {\n        if (rulesetNode.paths) {\n            rulesetNode.paths = rulesetNode.paths\n            .filter(p => {\n                let i;\n                if\n                (p[0].elements[0].combinator.value === ' ') {\n                    p[0].elements[0].combinator =\n                    new(tree.Combinator)('');\n                }\n                for (i = 0; i < p.length; i++) {\n                    if\n                    (p[i].isVisible() && p[i].getIsOutput()) {\n                        return true;\n                    }\n                }\n                return false;\n            });\n        }\n    },\n\n    _removeDuplicateRules: function(rules) {\n        if\n        (!rules) {\n            return;\n        }\n        // remove duplicates\n        const ruleCache = {};\n        let ruleList;\n        let rule;\n        for (i = rules.length - 1; i >= 0 ; i--) {\n            rule = rules[i];\n            if (rule instanceof\n            tree.Declaration) {\n                if (!ruleCache[rule.name]) {\n                    ruleCache[rule.name] = rule;\n                }\n            }\n            else {\n                ruleList = ruleCache[rule.name];\n                if (ruleList instanceof tree.Declaration) {\n
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    ruleList = ruleCache[rule.name] = [ruleCache[rule.name].toCSS(this._context)];\n        }\n
const ruleCSS = rule.toCSS(this._context);\n        if (ruleList.indexOf(ruleCSS) !== -1) {\n
rules.splice(i, 1);\n        } else {\n
    ruleList.push(ruleCSS);\n        }\n        }\n        }\n        }\n        },\n        }\n        _mergeRules:\nfunction(rules) {\n    if (!rules) {\n        return;\n    }\n    const groups = {};\n    const groupsArr =\n    [];\n    for (let i = 0; i < rules.length; i++) {\n        const rule = rules[i];\n        if (rule.merge) {\n
const key = rule.name;\n        groups[key] ? rules.splice(i--, 1) : \n        groupsArr.push(groups[key] =\n    []);\n        groups[key].push(rule);\n        }\n        }\n        groupsArr.forEach(group => {\n            if\n
(group.length > 0) {\n                const result = group[0];\n                let space = [];\n                const comma = [new\n
tree.Expression(space)];\n                group.forEach(rule => {\n                    if ((rule.merge === '+') && (space.length\n
> 0)) {\n                        comma.push(new tree.Expression(space = []));\n
                    }\n                    space.push(rule.value);\n                    result.important = result.important ||\n
rule.important;\n                });\n                result.value = new tree.Value(comma);\n            }\n        });\n    }\n};\n\nexport default ToCSSVisitor;\n", "import Visitor from './visitor';\nimport ImportVisitor from './import-\n
visitor';\nimport MarkVisibleSelectorsVisitor from './set-tree-visibility-visitor';\nimport ExtendVisitor from\n
'./extend-visitor';\nimport JoinSelectorVisitor from './join-selector-visitor';\nimport ToCSSVisitor from './to-css-\n
visitor';\n\nexport default {\n    Visitor,\n    ImportVisitor,\n    MarkVisibleSelectorsVisitor,\n    ExtendVisitor,\n    JoinSelectorVisitor,\n    ToCSSVisitor\n};\n", "import chunker from './chunker';\n\nexport default () => {\n    let //\n
Less input string\n    input;\n\n    let // current chunk\n    j;\n\n    const // holds state for backtracking\n
saveStack = [];\n    let // furthest\n
index the parser has gone to\n    furthest;\n\n    let // if this is furthest we got to, this is the probably cause\n
furthestPossibleErrorMessage;\n\n    let // chunkified input\n    chunks;\n\n    let // current chunk\n
current;\n\n    let // index of current chunk, in `input`\n    currentPos;\n\n    const parserInput = {};\n    const\n
CHARCODE_SPACE = 32;\n    const CHARCODE_TAB = 9;\n    const CHARCODE_LF = 10;\n    const\n
CHARCODE_CR = 13;\n    const CHARCODE_PLUS = 43;\n    const CHARCODE_COMMA = 44;\n    const\n
CHARCODE_FORWARD_SLASH = 47;\n    const CHARCODE_9 = 57;\n\n    function skipWhitespace(length)\n
{\n        const oldi = parserInput.i;\n        const oldj = j;\n        const curr = parserInput.i - currentPos;\n        const\n
endIndex = parserInput.i + current.length - curr;\n        const mem = (parserInput.i += length);\n        const inp =\n
input;\n        let c;\n        let nextChar;\n        let comment;\n\n        for (; parserInput.i < endIndex;\n
parserInput.i++) {\n            c = inp.charCodeAt(parserInput.i);\n            if (parserInput.autoCommentAbsorb &&\n
c === CHARCODE_FORWARD_SLASH) {\n                nextChar = inp.charAt(parserInput.i + 1);\n                if\n
(nextChar === '/') {\n                    comment = {index: parserInput.i, isLineComment: true};\n                    let\n
nextNewLine = inp.indexOf("\\n", parserInput.i + 2);\n                    if (nextNewLine < 0) {\n
nextNewLine = endIndex;\n                    }\n                    parserInput.i = nextNewLine;\n                    comment.text =\n
inp.substr(comment.index, parserInput.i - comment.index);\n
parserInput.commentStore.push(comment);\n                    continue;\n                } else if (nextChar === '*') {\n
const nextStarSlash = inp.indexOf('*', parserInput.i + 2);\n                    if (nextStarSlash >= 0) {\n
comment = {\n
                        index: parserInput.i,\n                            text: inp.substr(parserInput.i, nextStarSlash + 2 - parserInput.i),\n
                        isLineComment: false\n                    };\n                    parserInput.i += comment.text.length - 1;\n
                    parserInput.commentStore.push(comment);\n                    continue;\n                }\n            }\n
            break;\n        }\n        if ((c !== CHARCODE_SPACE) && (c !== CHARCODE_LF) && (c !==\n
CHARCODE_TAB) && (c !== CHARCODE_CR)) {\n            break;\n        }\n        current =\n
current.slice(length + parserInput.i - mem + curr);\n        currentPos = parserInput.i;\n        if (!current.length) {\n
            if (j < chunks.length - 1) {\n                current = chunks[++j];\n                skipWhitespace(0); // skip space at the\n
beginning of a chunk\n                return true; // things changed\n            }\n            parserInput.finished\n
= true;\n        }\n        return oldi !== parserInput.i || oldj !== j;\n    }\n\n    parserInput.save = () => {\n
currentPos = parserInput.i;\n    saveStack.push( { current, i: parserInput.i, j });\n    }; \n    parserInput.restore =

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possibleErrorMessage => {\n\n    if (parserInput.i > furthest || (parserInput.i === furthest &&
possibleErrorMessage && !furthestPossibleErrorMessage)) {\n        furthest = parserInput.i;\n
furthestPossibleErrorMessage = possibleErrorMessage;\n    }\n    const state = saveStack.pop();\n    current =
state.current;\n    currentPos = parserInput.i = state.i;\n    j = state.j;\n    };\n    parserInput.forget = () => {\n
saveStack.pop();\n    };\n    parserInput.isWhitespace = offset => {\n        const pos = parserInput.i + (offset || 0);\n
    const code = input.charCodeAtAt(pos);\n    return (code === CHARCODE_SPACE || code === CHARCODE_CR
|| code === CHARCODE_TAB || code ===
CHARCODE_LF);\n    };\n\n    // Specialization of $(tok)\n    parserInput.$re = tok => {\n        if (parserInput.i >
currentPos) {\n            current = current.slice(parserInput.i - currentPos);\n            currentPos = parserInput.i;\n
        }\n\n        const m = tok.exec(current);\n        if (!m) {\n            return null;\n        }\n\n        skipWhitespace(m[0].length);\n        if (typeof m === 'string') {\n            return m;\n        }\n\n        return m.length
=== 1 ? m[0] : m;\n    };\n\n    parserInput.$char = tok => {\n        if (input.charAt(parserInput.i) !== tok) {\n
return null;\n        }\n        skipWhitespace(1);\n        return tok;\n    };\n\n    parserInput.$str = tok => {\n        const
tokLength = tok.length;\n\n        // https://jsperf.com/string-startswith/21\n        for (let i = 0; i < tokLength; i++) {\n
            if (input.charAt(parserInput.i + i) !== tok.charAt(i)) {\n                return null;\n            }\n        }\n\n        skipWhitespace(tokLength);\n        return tok;\n    };\n\n    parserInput.$quoted = loc => {\n        const pos = loc
|| parserInput.i;\n        const startChar = input.charAt(pos);\n        if (startChar !== '"' && startChar !== "'") {\n
return;\n        }\n        const length = input.length;\n        const currentPosition = pos;\n        for (let i = 1; i +
currentPosition < length; i++) {\n            const nextChar = input.charAt(i + currentPosition);\n            switch
(nextChar) {\n                case '\\\\':\n                    i++;\n                    continue;\n                case '\\r':\n                    case
'\n':\n                    break;\n                case startChar:\n                    const str = input.substr(currentPosition, i + 1);\n
                    if (!loc && loc !== 0) {\n                        skipWhitespace(i + 1);\n                        return str;\n                    }\n                    return [startChar, str];\n                default:\n                    }\n            }\n            return null;\n        };\n\n        /**\n         * Permissive parsing. Ignores everything
except matching { } [] () and quotes\n         * until matching token (outside of blocks)\n         */\n        parserInput.$parseUntil = tok => {\n            let quote = '';\n            let returnVal = null;\n            let inComment = false;\n
            let blockDepth = 0;\n            const blockStack = [];\n            const parseGroups = [];\n            const length = input.length;\n
            const startPos = parserInput.i;\n            let lastPos = parserInput.i;\n            let i = parserInput.i;\n            let loop = true;\n\n            let testChar;\n\n            if (typeof tok === 'string') {\n                testChar = char => char === tok\n            } else {\n
                testChar = char => tok.test(char)\n            }\n\n            do {\n                let prevChar;\n                let nextChar =
input.charAt(i);\n                if (blockDepth === 0 && testChar(nextChar)) {\n                    returnVal =
input.substr(lastPos,
i - lastPos);\n                    if (returnVal) {\n                        parseGroups.push(returnVal);\n                    }\n                    else {\n
                        parseGroups.push('');\n                    }\n                    returnVal = parseGroups;\n                    skipWhitespace(i -
startPos);\n                    loop = false;\n                } else {\n                    if (inComment) {\n                        if (nextChar === '*')
&& \n                        input.charAt(i + 1) === '/') {\n                            i++;\n                            blockDepth--;\n
                            inComment = false;\n                        }\n                    }\n                    i++;\n                    continue;\n                }\n                switch
(nextChar) {\n                    case '\\\\':\n                        i++;\n                        nextChar = input.charAt(i);\n
                        parseGroups.push(input.substr(lastPos, i - lastPos + 1));\n                        lastPos = i + 1;\n
                        break;\n                    case '':\n                        if (input.charAt(i + 1) === '*') {\n                            i++;\n
                            inComment = true;\n                            blockDepth++;\n                        }\n                        break;\n                    case '\\':\n                        quote = parserInput.$quoted(i);\n                        if (quote) {\n
                            parseGroups.push(input.substr(lastPos, i - lastPos), quote);\n                            i += quote[1].length - 1;\n
                            lastPos = i + 1;\n                        }\n                        else {\n                            skipWhitespace(i -
startPos);\n                            returnVal = nextChar;\n                            loop = false;\n                        }\n
                        break;\n                    case '{':\n                        blockStack.push('{');\n                        blockDepth++;\n                        break;\n                    case '':\n                        blockStack.push('');\n
                        break;\n                    case '[':\n                        blockStack.push('');\n                        blockDepth++;\n
                        break;\n                }\n            }\n        };\n    };\n\n    return parseGroups;\n};

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    blockDepth++;\n                break;\n                case '':\n                case ')':\n                case ']':\n                const expected = blockStack.pop();\n                if (nextChar === expected) {\n                blockDepth--;\n                } else {\n                // move the parser to the error and return expected\n                skipWhitespaces(i - startPos);\n                returnVal = expected;\n                loop = false;\n                }\n                }\n                i++;\n                if (i > length) {\n                loop\n                = false;\n                }\n                }\n                prevChar = nextChar;\n                } while (loop);\n                return returnVal ?\n                returnVal : null;\n                }\n                parserInput.autoCommentAbsorb = true;\n                parserInput.commentStore = [];\n                parserInput.finished = false;\n                // Same as $(), but don't change the state of the parser,\n                // just return the\n                match.\n                parserInput.peek = tok => {\n                if (typeof tok === 'string') {\n                // https://jsperf.com/string-startswith/21\n                for (let i = 0; i < tok.length; i++) {\n                if (input.charAt(parserInput.i + i) !==\n                tok.charAt(i)) {\n                return false;\n                }\n                }\n                return true;\n                } else {\n                return\n                tok.test(current);\n                }\n                };\n                // Specialization of peek()\n                // TODO remove or change some currentChar\n                calls to peekChar\n                parserInput.peekChar = tok => input.charAt(parserInput.i) === tok;\n                parserInput.currentChar\n                = () => input.charAt(parserInput.i);\n                parserInput.prevChar = () => input.charAt(parserInput.i - 1);\n                parserInput.getInput = () => input;\n                parserInput.peekNotNumeric = () => {\n                const c =\n                input.charCodeAt(parserInput.i);\n                // Is the first char of the dimension 0-9, '.', '+' or '-'\n                return (c >\n                CHARCODE_9 || c < CHARCODE_PLUS) || c === CHARCODE_FORWARD_SLASH || c ===\n                CHARCODE_COMMA;\n                };\n                parserInput.start = (str, chunkInput, failFunction) => {\n                input = str;\n                parserInput.i = j = currentPos = furthest = 0;\n                // chunking apparently makes things quicker (but my tests\n                indicate\n                // it might actually make things slower in node at least)\n                // and it is a non-perfect parse - it can't\n                recognise\n                // unquoted urls, meaning it can't distinguish comments\n                // meaning comments with quotes or\n                {}() in them get 'counted'\n                // and then lead to parse errors.\n                // In addition if the chunking\n                chunks in the wrong place we might\n                // not be able to parse a parser statement in one go\n                // this is\n                officially deprecated but can be switched on via an option\n                // in the case it causes too much performance\n                issues.\n                if (chunkInput) {\n                chunks = chunker(str, failFunction);\n                } else {\n                chunks = [str];\n                }\n                current = chunks[0];\n                skipWhitespaces(0);\n                };\n                parserInput.end = () => {\n                let\n                message;\n                const isFinished = parserInput.i >= input.length;\n                if (parserInput.i < furthest) {\n                message = furthestPossibleErrorMessage;\n                parserInput.i = furthest;\n                }\n                return {\n                isFinished,\n                furthest: parserInput.i,\n                furthestPossibleErrorMessage: message,\n                furthestReachedEnd: parserInput.i >= input.length - 1,\n                furthestChar: input[parserInput.i]\n                };\n                };\n                return parserInput;\n                };\n                };\n                Split the input into chunks.\n                export default function (input, fail) {\n                const len = input.length;\n                let level = 0;\n                let parenLevel = 0;\n                let lastOpening;\n                let lastOpeningParen;\n                let lastMultiComment;\n                let\n                lastMultiCommentEndBrace;\n                const chunks = [];\n                let emitFrom = 0;\n                let chunkerCurrentIndex;\n                let\n                currentChunkStartIndex;\n                let cc;\n                let cc2;\n                let matched;\n                function emitChunk(force) {\n                const len =\n                chunkerCurrentIndex - emitFrom;\n                if (((len < 512) && !force) || !len) {\n                return;\n                }\n                chunks.push(input.slice(emitFrom, chunkerCurrentIndex + 1));\n                emitFrom = chunkerCurrentIndex + 1;\n                }\n                for (chunkerCurrentIndex = 0; chunkerCurrentIndex < len; chunkerCurrentIndex++) {\n                cc =\n                input.charCodeAt(chunkerCurrentIndex);\n                if (((cc >= 97) && (cc <= 122)) || (cc < 34)) {\n                // a-z or\n                whitespace\n                continue;\n                }\n                switch\n                (cc) {\n                case 40:\n                // (\n                parenLevel++;\n                lastOpeningParen =\n                chunkerCurrentIndex;\n                continue;\n                case 41:\n                // )\n                if (--parenLevel < 0) {\n                return fail('missing opening `(`', chunkerCurrentIndex);\n                }\n                continue;\n                case 59:\n                // ;\n                if (!parenLevel) {\n                emitChunk();\n                }\n                continue;\n                case 123:\n                // {\n                level++;\n                lastOpening = chunkerCurrentIndex;\n                continue;\n                case 125:\n                // }\n                if (--level < 0) {\n                return fail('missing opening `{', chunkerCurrentIndex);\n                }\n                }\n                if (!level && !parenLevel) {\n                emitChunk();\n                }\n                continue;\n                case 92:\n
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//\n\n
    if (chunkerCurrentIndex < len - 1) { chunkerCurrentIndex++; continue; }\n        return fail('unescaped
'\n\n', chunkerCurrentIndex);\n        case 34:\n        case 39:\n        case 96:\n            //\", ' and \n
    matched = 0;\n        currentChunkStartIndex = chunkerCurrentIndex;\n        for (chunkerCurrentIndex =
chunkerCurrentIndex + 1; chunkerCurrentIndex < len; chunkerCurrentIndex++) {\n            cc2 =
input.charCodeAtAt(chunkerCurrentIndex);\n            if (cc2 > 96) { continue; }\n            if (cc2 == cc) {
matched = 1; break; }\n            if (cc2 == 92) { //\n\n                if (chunkerCurrentIndex == len - 1) {\n
                return fail('unescaped '\n\n', chunkerCurrentIndex);\n                }\n
chunkerCurrentIndex++;\n            }\n            }\n            if (matched) { continue;
}\n            return fail('unmatched \\${String.fromCharCode(cc)}\n\n', currentChunkStartIndex);\n            case 47:
//, check for comment\n            if (parenLevel || (chunkerCurrentIndex == len - 1)) { continue; }\n
cc2 = input.charCodeAtAt(chunkerCurrentIndex + 1);\n            if (cc2 == 47) {\n                //, find
Infeed\n                for (chunkerCurrentIndex = chunkerCurrentIndex + 2; chunkerCurrentIndex < len;
chunkerCurrentIndex++) {\n                    cc2 = input.charCodeAtAt(chunkerCurrentIndex);\n                    if ((cc2
<= 13) && ((cc2 == 10) || (cc2 == 13))) { break; }\n                    }\n                    } else if (cc2 == 42) {\n                        //
/*, find */\n                        lastMultiComment = currentChunkStartIndex = chunkerCurrentIndex;\n                        for
(chunkerCurrentIndex = chunkerCurrentIndex + 2; chunkerCurrentIndex < len - 1; chunkerCurrentIndex++) {\n
                            cc2 = input.charCodeAtAt(chunkerCurrentIndex);\n                            if (cc2 == 125) {\n
lastMultiCommentEndBrace = chunkerCurrentIndex; }\n                            if (cc2 != 42) { continue; }\n
if (input.charCodeAtAt(chunkerCurrentIndex + 1) == 47) { break; }\n                            }\n                            if
(chunkerCurrentIndex == len - 1) {\n                                return fail('missing closing `*/', currentChunkStartIndex);\n
                                }\n                                chunkerCurrentIndex++;\n                                }\n                                continue;\n                                case 42: //
*, check for unmatched */\n                                if ((chunkerCurrentIndex < len - 1) &&
(input.charCodeAtAt(chunkerCurrentIndex + 1) == 47)) {\n                                    return fail('unmatched `*/',
chunkerCurrentIndex);\n                                    }\n                                    continue;\n                                    }\n                                    }\n\n                                    if (level !== 0) {\n                                        if
((lastMultiComment > lastOpening) && (lastMultiCommentEndBrace > lastMultiComment))\n                                            {\n                                                return fail('missing closing `}` or `*/', lastOpening);\n
                                            } else {\n                                                return fail('missing closing
`}`', lastOpening);\n                                            }\n                                            } else if (parenLevel !== 0) {\n                                                return fail('missing closing `)`',
lastOpening);\n                                            }\n                                            }\n\n                                            emitChunk(true);\n                                            return chunks;\n\n\n", "import LessError from './less-
error';\nimport tree from './tree';\nimport visitors from './visitors';\nimport getParserInput from './parser-
input';\nimport * as utils from './utils';\nimport functionRegistry from './functions/function-registry';\n\n\n\n// less.js
- parser\n\n\n// A relatively straight-forward predictive parser.\n// There is no tokenization/lexing stage, the input
is parsed\n// in one sweep.\n\n\n// To make the parser fast enough to run in the browser, several\n//
optimization had to be made:\n\n\n// - Matching and slicing on a huge input is often cause of slowdowns.\n\n\n//
The solution is to chunkify the input into
smaller strings.\n\n\n// The chunks are stored in the `chunks` var,\n\n\n// `j` holds the current chunk index, and
`currentPos` holds\n\n\n// the index of the current chunk in relation to `input`.\n\n\n// This gives us an almost 4x
speed-up.\n\n\n// - In many cases, we don't need to match individual tokens;\n\n\n// for example, if a value doesn't
hold any variables, operations\n\n\n// or dynamic references, the parser can effectively 'skip' it,\n\n\n// treating it as a
literal.\n\n\n// An example would be '1px solid #000' - which evaluates to itself,\n\n\n// we don't need to know what
the individual components are.\n\n\n// The drawback, of course is that you don't get the benefits of\n\n\n// syntax-
checking on the CSS. This gives us a 50% speed-up in the parser,\n\n\n// and a smaller speed-up in the code-
gen.\n\n\n\n\n// Token matching is done with the `$` function, which either takes\n\n\n// a terminal string or regexp,
or a non-terminal function to call.\n\n\n// It
also takes care of moving all the indices forwards.\n\n\n\nconst Parser = function Parser(context, imports, fileInfo)
{\n    let parsers;\n    const parserInput = getParserInput();\n\n    function error(msg, type) {\n        throw new
LessError(\n            {\n                index: parserInput.i,\n                filename: fileInfo.filename,\n                type: type ||
'Syntax',\n                message: msg\n            },\n            imports\n        );\n    }\n\n    function expect(arg, msg) {\n

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// some older browsers return typeof 'function' for RegExp\n    const result = (arg instanceof Function) ?
arg.call(parsers) : parserInput.$re(arg);\n    if (result) {\n        return result;\n    }\n    \n    error(msg ||
(typeof arg === 'string'\n        ? `expected '${arg}' got '${parserInput.currentChar()}'`\n        : 'unexpected
token'));\n    }\n\n // Specialization of expect()\n    function expectChar(arg, msg) {\n        if
(parserInput.$char(arg))
        {\n            return arg;\n        }\n        error(msg || `expected '${arg}' got '${parserInput.currentChar()}'`);\n    }\n\n
function getDebugInfo(index) {\n    const filename = fileInfo.filename;\n\n    return {\n        lineNumber:
utils.getLocation(index, parserInput.getInput()).line + 1,\n        fileName: filename\n    };}\n\n\n /**\n *
Used after initial parsing to create nodes on the fly\n * \n * @param {String} str - string to parse \n *
@param {Array} parseList - array of parsers to run input through e.g. [\"value\", \"important\"]\n * @param
{Number} currentIndex - start number to begin indexing\n * @param {Object} fileInfo - fileInfo to attach to
created nodes\n *^\n function parseNode(str, parseList, currentIndex, fileInfo, callback) {\n    let result;\n
const returnNodes = [];\n    const parser = parserInput;\n\n    try {\n        parser.start(str, false,
function fail(msg, index) {\n            callback({\n                message: msg,\n                index: index +
currentIndex\n            });\n        });\n        for (let x = 0, p, i; (p = parseList[x]); x++) {\n            i =
parser.i;\n            result = parsers[p]();\n            if (result) {\n                try {\n                    result._index = i
+ currentIndex;\n                    result._fileInfo = fileInfo;\n                } catch (e) {\n
returnNodes.push(result);\n                }\n                else {\n                    returnNodes.push(null);\n                }\n
}\n\n            const endInfo = parser.end();\n            if (endInfo.isFinished) {\n                callback(null,
returnNodes);\n            }\n            else {\n                callback(true, null);\n            }\n        } catch (e) {\n            throw
new LessError({\n                index: e.index
+ currentIndex,\n                message: e.message\n            }, imports, fileInfo.filename);\n        }\n    }\n\n\n //\n //
The Parser\n //\n return {\n    parserInput,\n    imports,\n    fileInfo,\n    parseNode,\n    //\n //
Parse an input string into an abstract syntax tree,\n    // @param str A string containing 'less' markup\n    //
@param callback call `callback` when done.\n    // @param [additionalData] An optional map which can contains
vars - a map (key, value) of variables to apply\n    //\n    parse: function (str, callback, additionalData) {\n
let root;\n    let err = null;\n    let globalVars;\n    let modifyVars;\n    let ignored;\n    let
preText = \";\n    // Optionally disable @plugin parsing\n    if (additionalData &&
additionalData.disablePluginRule) {\n        parsers.plugin = function() {\n            var dir =
parserInput.$re(/^@plugin?(\\s+));\n
            if (dir) {\n                error('@plugin statements are not allowed when disablePluginRule is set to
true');\n            }\n        }\n    }\n\n    globalVars = (additionalData &&
additionalData.globalVars) ? `${Parser.serializeVars(additionalData.globalVars)}\\n` : \";\n    modifyVars =
(additionalData && additionalData.modifyVars) ? `\\n${Parser.serializeVars(additionalData.modifyVars)}` : \";\n\n
    if (context.pluginManager) {\n        const preProcessors = context.pluginManager.getPreProcessors();\n
        for (let i = 0; i < preProcessors.length; i++) {\n            str = preProcessors[i].process(str, { context,
imports, fileInfo });\n        }\n    }\n\n    if (globalVars || (additionalData && additionalData.banner))
{\n        preText = ((additionalData && additionalData.banner) ? additionalData.banner : \") + globalVars;\n
        ignored = imports.contentsIgnoredChars;\n        ignored[fileInfo.filename] =
ignored[fileInfo.filename] || 0;\n        ignored[fileInfo.filename] += preText.length;\n    }\n\n    str =
str.replace(/\\r\\n?/g, '\\n');\n    // Remove potential UTF Byte Order Mark\n    str = preText +
str.replace(/^\\uFEFF/, \") + modifyVars;\n    imports.contents[fileInfo.filename] = str;\n\n    // Start with
the primary rule.\n    // The whole syntax tree is held under a Ruleset node,\n    // with the `root` property
set to true, so no `{}` are\n    // output. The callback is called when the input is parsed.\n    try {\n
parserInput.start(str, context.chunkInput, function fail(msg, index) {\n        throw new LessError({\n
            index,\n            type: 'Parse',\n            message: msg,\n            fileInfo:
fileInfo.filename\n        }, imports);\n    });\n\n    tree.Node.prototype.parse = this;\n
root = new tree.Ruleset(null, this.parsers.primary());\n    tree.Node.prototype.rootNode = root;\n

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root.root = true;\n          root.firstRoot = true;\n          root.functionRegistry = functionRegistry.inherit();\n      \n      } catch (e) {\n          return callback(new LessError(e, imports, fileInfo.filename));\n      }\n      // If `i` is smaller than the `input.length - 1`,\n      // it means the parser wasn't able to parse the whole\n      // string, so we've got a parsing error.\n      // We try to extract a delimited string,\n      // showing the line where the parse error occurred.\n      // We split it up into two parts (the part which parsed,\n      // and the part which didn't), so we can color them\n      // differently.\n      const endInfo = parserInput.end();\n      if (!endInfo.isFinished) {\n          let message = endInfo.furthestPossibleErrorMessage;\n          if (!message) {\n              message = 'Unrecognised input';\n          }\n          if (endInfo.furthestChar === ')') {\n              message += ' Possibly missing opening\n          \\{\n          } else if (endInfo.furthestChar === ')') {\n              message += ' Possibly missing\n          opening\n          } else if (endInfo.furthestReachedEnd) {\n              message += ' Possibly\n          missing something';\n          }\n          }\n          err = new LessError({\n              type: 'Parse',\n              message,\n              index: endInfo.furthest,\n              filename: fileInfo.filename\n          },\n          imports);\n          const finish = e => {\n              e = err || e || imports.error;\n              if (e) {\n                  if (!(e instanceof LessError)) {\n                      e = new LessError(e, imports, fileInfo.filename);\n                  }\n                  return callback(e);\n              }\n              else {\n                  return callback(null, root);\n              }\n          };\n          if (context.processImports !== false) {\n              new visitors.ImportVisitor(imports, finish)\n                  .run(root);\n          } else {\n              return finish();\n          }\n      },\n      // Here in, the parsing rules/functions\n      // The basic\n      // structure of the syntax tree generated is as follows:\n      // Ruleset -> Declaration -> Value -> Expression\n      // -> Entity\n      // Here's some Less code:\n      // .class {\n      //     color: #fff;\n      // }\n      // And here's what the parse\n      // tree might look like:\n      // Ruleset (Selector '.class', Declaration ('color', Value\n      // ([Expression [Color #fff]]))\n      // Declaration ('border', Value ([Expression [Dimension 1px][Keyword\n      // 'solid'][Color #000]]))\n      // Declaration ('width', Value ([Expression [Operation '+'\n      // '@w']][Dimension 4px]]))\n      // Ruleset (Selector [Element '>', '.child'], [...])\n      // ])\n      // In general, most rules will try to parse a token with the `re` function, and if the return\n      // value is truly, will\n      // return a new node, of the relevant type. Sometimes, we need to check\n      // first, before parsing, that's when we\n      // use `peek`.\n      // parsers: parsers = {\n      //     // The `primary` rule\n      //     is the *entry* and *exit* point of the parser.\n      //     // The rules here can appear at any level of the parse tree.\n      //     // The recursive nature of the grammar is an interplay between the `block`\n      //     // rule, which\n      //     represents `{ ... }`, the `ruleset` rule, and this `primary` rule,\n      //     // as represented by this simplified grammar:\n      //     // primary (ruleset | declaration)+\n      //     // ruleset selector+ block\n      //     // block\n      //     '{' primary '}'\n      //     // Only at one point is the primary rule not called from the\n      //     // block rule: at\n      //     the root level.\n      //     primary: function () {\n      //         const mixin = this.mixin;\n      //         let root = [];\n      //         let node;\n      //         while (true) {\n      //             while (true) {\n      //                 node =\n      //                 this.comment();\n      //                 if (!node) { break;\n      //                 }\n      //                 root.push(node);\n      //                 // always process comments before deciding if\n      //                 finished\n      //                 if (parserInput.finished) {\n      //                     break;\n      //                 }\n      //                 if\n      //                 (parserInput.peek(';')) {\n      //                     break;\n      //                 }\n      //                 node = this.extendRule();\n      //                 if (node) {\n      //                     root = root.concat(node);\n      //                     continue;\n      //                 }\n      //                 node =\n      //                 = mixin.definition() || this.declaration() || mixin.call(false, false) ||\n      //                 this.ruleset() || this.variableCall()\n      //                 || this.entities.call() || this.atrule();\n      //                 if (node) {\n      //                     root.push(node);\n      //                 } else {\n      //                     let foundSemiColon = false;\n      //                     while (parserInput.$char(';')) {\n      //                         foundSemiColon = true;\n      //                     }\n      //                     if (!foundSemiColon) {\n      //                         break;\n      //                     }\n      //                 }\n      //                 }\n      //                 }\n      //                 return root;\n      //                 },\n      //                 // comments are collected by\n      //                 the main parsing mechanism and then assigned to nodes\n      //                 // where the current structure allows it\n
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comment: function () {\n          if (parserInput.commentStore.length) {\n          const comment =
parserInput.commentStore.shift();\n          return new(tree.Comment)(comment.text,
comment.isLineComment, comment.index, fileInfo);\n          }\n          },\n          //\n          // Entities are
tokens which can be found inside an Expression\n          //\n          entities: {\n          mixinLookup: function()
{\n          return parsers.mixin.call(true, true);\n          },\n          //\n          // A string, which supports escaping \" and \"\n          //\n          // \"milky way\" he\\'s the one!\n          //\n          quoted: function (forceEscaped) {\n          let str;\n          const index = parserInput.i;\n          let isEscaped = false;\n          parserInput.save();\n          if (parserInput.$char('~')) {\n          isEscaped = true;\n          } else if (forceEscaped) {\n          parserInput.restore();\n          return;\n          }\n          str = parserInput.$quoted();\n          if (!str) {\n          parserInput.restore();\n          return;\n          }\n          parserInput.forget();\n          return new(tree.Quoted)(str.charAt(0), str.substr(1, str.length - 2), isEscaped, index, fileInfo);\n          },\n          //\n          // A catch-all word, such as:\n          //\n          // black border-collapse\n          //\n          keyword: function () {\n          const k = parserInput.$char('%') || parserInput.$re(/^\\[[?:(?:[\\w-]\\\\\\\\(?:[A-
Fa-f0-9]{1,6} ?|[^\A-Fa-f0-9]))+\\]?/);\n          if (k) {\n          return tree.Color.fromKeyword(k) ||
new(tree.Keyword)(k);\n          }\n          },\n          //\n          // A function call\n          //\n          // rgb(255, 0, 255)\n          //\n          // The arguments are parsed with the `entities.arguments` parser.\n          //\n          call: function () {\n          let name;\n          let args;\n          let func;\n          const index = parserInput.i;\n          // http://jsperf.com/case-insensitive-regex-vs-strtolower-then-
regex/18\n          if (parserInput.peek(/^url\\((i) ) {\n          return;\n          }\n          parserInput.save();\n          name = parserInput.$re(/^([\\w-]+|[%|~|progid:[\\w\\.]+])\\(\\)/);\n          if
(!name) {\n          parserInput.forget();\n          return;\n          }\n          name =
name[1];\n          func = this.customFuncCall(name);\n          if (func) {\n          args =
func.parse();\n          if (args && func.stop) {\n          parserInput.forget();\n          return args;\n          }\n          }\n          args = this.arguments(args);\n          if
(!parserInput.$char(')')) {\n          parserInput.restore('Could not parse call arguments or missing \\)\\');\n          return;\n          }\n          parserInput.forget();\n          return new(tree.Call)(name, args, index, fileInfo);\n          },\n          //\n          // Parsing rules for functions with non-standard args, e.g.:\n          //\n          // This is a quick prototype, to be modified/improved when\n          //\n          // more custom-parsed funcs come (e.g. `selector(...)`) \n          //\n          customFuncCall: function
(name) {\n          /* Ideally the table is to be moved out of here for faster perf.,\n          but it's quite
tricky since it relies on all these `parsers`\n          and `expect` available only here *\n          return {\n          alpha: f(parsers.ieAlpha, true),\n          boolean: f(condition),\n          'if':
f(condition)\n          }\n          }[name.toLowerCase()];\n          function f(parse, stop) {\n          return {\n          parse, // parsing function\n          stop // when true - stop after parse() and return its result, \n          // otherwise continue for plain args\n          };\n          }\n          function
condition() {\n          return [expect(parsers.condition, 'expected condition')];\n          }\n          },\n          arguments: function (prevArgs) {\n          let argsComma = prevArgs || [];\n          const
argsSemiColon = [];\n          let isSemiColonSeparated;\n          let value;\n          parserInput.save();\n          while (true) {\n          if (prevArgs) {\n          prevArgs =
false;\n          } else {\n          value = parsers.detachedRuleset() || this.assignment() || parsers.expression();\n          if
(!value) {\n          break;\n          }\n          if (value.value &&
value.value.length == 1) {\n          value = value.value[0];\n          }\n          argsComma.push(value);\n          }\n          if (parserInput.$char(',') {\n

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continue;\n          }\n\n          if (parserInput.$char(';') || isSemiColonSeparated) {\n
isSemiColonSeparated = true;\n          value = (argsComma.length < 1) ? argsComma[0]\n
          : new tree.Value(argsComma);\n          argsSemiColon.push(value);\n          argsComma =\n
[];\n          }\n\n          }\n\n          parserInput.forget();\n          return isSemiColonSeparated ? argsSemiColon :\n
argsComma;\n          },\n          literal: function () {\n          return this.dimension() ||\n
this.color() ||\n          this.quoted() ||\n          this.unicodeDescriptor();\n          },\n\n
// Assignments are argument entities for calls.\n          // They are present in ie filter properties as shown below.\n
\n          /\n          // filter: progid:DXImageTransform.Microsoft.Alpha( *opacity=50* )\n          /\n\n
assignment: function () {\n          let key;\n          let value;\n          parserInput.save();\n
          key = parserInput.$re(/^\\w+(?=\s?)/i);\n          if (!key) {\n          parserInput.restore();\n
\n          return;\n          }\n          if (!parserInput.$char('=')) {\n          parserInput.restore();\n
          return;\n          }\n          value = parsers.entity();\n          if (value) {\n
parserInput.forget();\n          return new(tree.Assignment)(key, value);\n          } else {\n
parserInput.restore();\n          }\n          },\n\n          /\n          // Parse url() tokens\n          /\n
\n          // We use a specific rule for urls, because they don't really behave like\n          // standard function calls. The\n
difference is that the argument doesn't have\n          // to be enclosed within a string, so it can't be parsed as an\n
Expression.\n          /\n          url: function () {\n          let value;\n          const index =\n
parserInput.i;\n\n          parserInput.autoCommentAbsorb = false;\n          if (!parserInput.$str('url()')) {\n
parserInput.autoCommentAbsorb = true;\n          return;\n          }\n          value =\n
this.quoted() || this.variable() || this.property() ||\n          parserInput.$re(/^(:?(?:\\\\\\(\\\\)"|\\\\\\(\\\\)"|)+)\n
|| ");\n          parserInput.autoCommentAbsorb = true;\n          expectChar(');\n          return\n
new(tree.URL)((value.value != null ||\n          value instanceof tree.Variable ||\n          value\n
instanceof tree.Property) ?\n          value : new(tree.Anonymous)(value, index), index, fileInfo);\n
},\n\n          /\n          // A Variable entity, such as `@fink`, in\n          /\n          // width: @fink +\n
2px\n          /\n          // We\n
\n          use a different parser for variable definitions,\n          // see `parsers.variable`. \n          /\n          variable:\n
function () {\n          let ch;\n          let name;\n          const index = parserInput.i;\n
parserInput.save();\n          if (parserInput.currentChar() === '@' && (name = parserInput.$re(/^@?@[\\w-\n
]+/))) {\n          ch = parserInput.currentChar();\n          if (ch === '(' || ch === '[' &&\n
!parserInput.prevChar().match(/^\\s/)) {\n          // this may be a VariableCall lookup\n
const result = parsers.variableCall(name);\n          if (result) {\n          parserInput.forget();\n
          return result;\n          }\n          }\n          parserInput.forget();\n
\n          return new(tree.Variable)(name,\n          index, fileInfo);\n          }\n          parserInput.restore();\n          },\n\n          // A variable entity\n
using the protective { } e.g. @{var}\n          variableCurly: function () {\n          let curly;\n
const index = parserInput.i;\n          if (parserInput.currentChar() === '@' && (curly =\n
parserInput.$re(/^@@[\\w-]+/))) {\n          return new(tree.Variable)('@${curly[1]}', index,\n
fileInfo);\n          }\n          },\n\n          /\n          // A Property accessor, such as `$color`, in\n
\n          /\n          // background-color: $color\n          /\n          property: function () {\n          let name;\n
const index = parserInput.i;\n          if (parserInput.currentChar() === '$' && (name =\n
parserInput.$re(/^\\$[\\w-]+/))) {\n          return new(tree.Property)(name,\n          index, fileInfo);\n          }\n          },\n\n          // A property entity using the protective { } e.g.\n
${prop}\n          propertyCurly: function () {\n          let curly;\n          const index =\n
parserInput.i;\n          if (parserInput.currentChar() === '$' && (curly = parserInput.$re(/^\\$@[\\w-\n
]+/))) {\n          return new(tree.Property)('${${curly[1]}', index, fileInfo);\n          }\n          },\n

```

```

    /\n        // A Hexadecimal color\n        /\n        // #4F3C2F\n        /\n        //
`rgb` and `hsl` colors are parsed through the `entities.call` parser.\n        /\n        color: function () {\n
    let rgb;\n        parserInput.save();\n        if (parserInput.currentChar() === '#' && (rgb =
parserInput.$re(/^#[A-Fa-f0-9]{8}|[A-Fa-f0-9]{6}|[A-Fa-f0-9]{3,4})([\w.#\[\]]?/))
    {\n        if (!rgb[2]) {\n        parserInput.forget();\n        return
new(tree.Color)(rgb[1], undefined, rgb[0]);\n        }\n        }\n        parserInput.restore();\n
    },\n    colorKeyword: function () {\n        parserInput.save();\n        const
autoCommentAbsorb = parserInput.autoCommentAbsorb;\n        parserInput.autoCommentAbsorb = false;\n
    const k = parserInput.$re(/^[_A-Za-z-][_A-Za-z0-9-]+/);\n        parserInput.autoCommentAbsorb
= autoCommentAbsorb;\n        if (!k) {\n        parserInput.forget();\n        return;\n
    }\n        parserInput.restore();\n        const color = tree.Color.fromKeyword(k);\n        if
(color) {\n
    parserInput.$str(k);\n        return color;\n        }\n        },\n    /\n        // A
Dimension, that is, a number and a unit\n        /\n        // 0.5em 95%\n        /\n        dimension:
function () {\n        if (parserInput.peekNotNumeric()) {\n        return;\n        }\n
    const value = parserInput.$re(/^([+]?[d*]\.?[\d+](%|[a-z_]+)?/i);\n        if (value) {\n        return
new(tree.Dimension)(value[1], value[2]);\n        }\n        },\n    /\n        // A unicode
descriptor, as is used in unicode-range\n        /\n        // U+0?? or U+00A1-00A9\n        /\n
    unicodeDescriptor: function () {\n        let ud;\n        ud = parserInput.$re(/^U\+[0-9a-fA-F?]+\([\[-
[0-9a-fA-F?]+\]?/);\n
    if (ud) {\n        return new(tree.UnicodeDescriptor)(ud[0]);\n        }\n        },\n
    /\n        // JavaScript code to be evaluated\n        /\n        // `window.location.href`\n
    /\n        javascript: function () {\n        let js;\n        const index = parserInput.i;\n
    parserInput.save();\n        const escape = parserInput.$char('~');\n        const jsQuote =
parserInput.$char('^');\n        if (!jsQuote) {\n        parserInput.restore();\n        return;\n
    }\n        js = parserInput.$re(/^[\^]*~/);\n        if (js) {\n
    parserInput.forget();\n        return new(tree.JavaScript)(js.substr(0, js.length - 1), Boolean(escape), index,
fileInfo);\n
    }\n        parserInput.restore('invalid javascript definition');\n        }\n        },\n    /\n        //
The variable part of a variable definition. Used in the `rule` parser\n        /\n        // @fink;\n        /\n
    variable: function () {\n        let name;\n        if (parserInput.currentChar() === '@' && (name =
parserInput.$re(/^(@[\w-]+)\s*/))) { return name[1]; }\n        },\n    /\n        // Call a variable value to
retrieve a detached ruleset\n        // or a value from a detached ruleset's rules.\n        /\n        // @fink();\n
    // @fink;\n        // color: @fink[@color];\n        /\n        variableCall: function (parsedName) {\n
    let lookups;\n        const i = parserInput.i;\n        const inValue = !!parsedName;\n        let name =
parsedName;\n        parserInput.save();\n
    if (name || (parserInput.currentChar() === '@'\n        && (name = parserInput.$re(/^(@[\w-
]+)(\([\s*\])?/)))) {\n        lookups = this.mixin.ruleLookups();\n        if (!lookups && ((inValue
&& parserInput.$str('(') !== '(') || (name[2] !== '('))) {\n        parserInput.restore('Missing `[...]` lookup
in variable call');\n        return;\n        }\n        if (!inValue) {\n        name =
name[1];\n        }\n        const call = new tree.VariableCall(name, i, fileInfo);\n        if
(!inValue && parsers.end()) {\n        parserInput.forget();\n        return call;\n        }\n
    else {\n        parserInput.forget();\n        return new tree.NamespaceValue(call, lookups, i,
fileInfo);\n
    }\n        }\n        parserInput.restore();\n        },\n    /\n        // extend syntax - used to extend
selectors\n        /\n        extend: function(isRule) {\n        let elements;\n        let e;\n        const
index = parserInput.i;\n        let option;\n        let extendList;\n        let extend;\n        if
(!parserInput.$str(isRule ? '&:extend(' : ':extend(')) {\n        return;\n        }\n        do {\n

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option = null;\n          elements = null;\n          while (!(option = parserInput.$re(/^(all)(?=\s*(\)|,)/)))\n{\n    e = this.element();\n    if (!e) {\n      break;\n    }\n    if (elements) {\n      elements.push(e);\n    } else {\n      elements = [ e ];\n    }\n    option = option && option[1];\n  }\n  if (!elements) {\n    error('Missing target selector for :extend().');\n    extend =\n    new(tree.Extend)(new(tree.Selector)(elements), option, index, fileInfo);\n    if (extendList) {\n      extendList.push(extend);\n    } else {\n      extendList = [ extend ];\n    }\n  }\n  while (parserInput.$char(',')\n    expect(/^\s*\s/);\n    if (isRule) {\n      expect(/^\s/);\n    }\n  }\n  return extendList;\n  },\n  /\n  // extendRule - used in a rule to extend all the\n  parent selectors\n  /\n  extendRule: function() {\n    return this.extend(true);\n  },\n  /\n  // Mixins\n  /\n  mixin: {\n    /\n    // A Mixin call, with an optional\n    argument list\n    /\n    // #mixins > .square(#fff);\n    // #mixins.square(#fff);\n    // .rounded(4px, black);\n    // .button;\n    /\n    // We can lookup / return a value using\n    the lookup syntax:\n    /\n    // color: #mixin.square(#fff)[@color];\n    /\n    // The\n    `while` loop is there because mixins can be\n    // namespaced, but we only support the child and\n    descendant\n    // selector for now.\n    /\n    call: function (inValue, getLookup) {\n      const s = parserInput.currentChar();\n      let important = false;\n      let lookups;\n      const index = parserInput.i;\n      let elements;\n      let args;\n      let hasParens;\n      if (s !== '.' && s !== '#') {\n        return;\n      }\n      parserInput.save(); // stop us absorbing part of an invalid selector\n      elements = this.elements();\n      if (elements) {\n        if (parserInput.$char('(')) {\n          args = this.args(true).args;\n          expectChar(')');\n          hasParens = true;\n        }\n        if (getLookup !== false) {\n          lookups = this.ruleLookups();\n        }\n        if (getLookup === true && !lookups) {\n          parserInput.restore();\n          return;\n        }\n        if (inValue && !lookups && !hasParens) {\n          // This isn't\n          a valid in-value mixin call\n          parserInput.restore();\n          return;\n        }\n        if (!inValue && parsers.important()) {\n          important = true;\n        }\n        if (inValue || parsers.end()) {\n          parserInput.forget();\n          const mixin =\n          new(tree.mixin.Call)(elements, args, index, fileInfo, !lookups && important);\n          if (lookups) {\n            return new tree.NamespaceValue(mixin, lookups);\n          } else {\n            return mixin;\n          }\n        }\n      }\n      parserInput.restore();\n    },\n    /**\n     * Matching elements for mixins\n     * (Start\n     with\n     . or # and can have > )\n     *\n     elements: function() {\n       let elements;\n       let\n       e;\n       let c;\n       let elem;\n       let elemIndex;\n       const re = /^#[#.](?:[\\w-]\n      ]\\\\\\\\(?:[A-Za-f0-9]{1,6} ?|[A-Za-f0-9])+;/;\n       while (true) {\n         elemIndex =\n         parserInput.i;\n         e = parserInput.$re(re);\n         if (!e) {\n           break;\n         }\n         elem = new(tree.Element)(c, e, false, elemIndex, fileInfo);\n         if (elements) {\n           elements.push(elem);\n         } else {\n           elements = [\n           elem ];\n         }\n         c = parserInput.$char('>');\n       }\n       return elements;\n     },\n     args: function (isCall) {\n       const entities = parsers.entities;\n       const\n       returner = { args:null, variadic: false }; \n       let expressions = [];\n       const argsSemiColon = [];\n       const argsComma = [];\n       let isSemiColonSeparated;\n       let\n       expressionContainsNamed;\n       let name;\n       let nameLoop;\n       let value;\n       let arg;\n       let expand;\n       let hasSep = true;\n       parserInput.save();\n       while (true) {\n         if (isCall) {\n           arg = parsers.detachedRuleset() ||\n           parsers.expression();\n         } else {\n           parserInput.commentStore.length = 0;\n           if (parserInput.$str('...')) {\n
```

```

returner.variadic = true;\n
isSemiColonSeparated = true;\n
(isSemiColonSeparated ? argsSemiColon : argsComma)\n
break;\n
}\n
arg = entities.variable() || entities.property() || entities.literal()\n
|| entities.keyword() || this.call(true);\n
}\n
if (!arg || !hasSep) {\n
break;\n
}\n
nameLoop = null;\n
if (arg.throwAwayComments) {\n
arg.throwAwayComments();\n
}\n
value = arg;\n
let val =\n
null;\n
\n
if (isCall) {\n
// Variable\n
if (arg.value && arg.value.length === 1)\n
{\n
val = arg.value[0];\n
}\n
} else {\n
val =\n
arg;\n
}\n
if (val && (val instanceof tree.Variable || val instanceof tree.Property)) {\n
if (parserInput.$char(':')) {\n
if (expressions.length > 0) {\n
if (isSemiColonSeparated) {\n
error('Cannot mix ; and , as delimiter types');\n
}\n
expressionContainsNamed = true;\n
}\n
value = parsers.detachedRuleset() || parsers.expression();\n
if (!value) {\n
if (isCall) {\n
error('could not understand value for named\n
argument');\n
} else {\n
parserInput.restore();\n
}\n
returner.args = [];\n
return returner;\n
}\n
}\n
nameLoop = (name = val.name);\n
} else if (parserInput.$str('...')) {\n
if (!isCall) {\n
returner.variadic = true;\n
if (parserInput.$char(';') &&\n
!isSemiColonSeparated) {\n
isSemiColonSeparated = true;\n
}\n
(isSemiColonSeparated ? argsSemiColon : argsComma)\n
.push({ name: arg.name, variadic: true });\n
break;\n
} else\n
{\n
expand = true;\n
}\n
} else if (!isCall) {\n
name = nameLoop = val.name;\n
value = null;\n
}\n
}\n
}\n
if (value) {\n
expressions.push(value);\n
}\n
argsComma.push({ name:nameLoop, value, expand });\n
if (parserInput.$char(',') {\n
hasSep = true;\n
continue;\n
}\n
hasSep = parserInput.$char(',') ===\n
';'\n
if (hasSep || isSemiColonSeparated) {\n
if (expressionContainsNamed)\n
{\n
error('Cannot mix ; and , as delimiter types');\n
}\n
}\n
isSemiColonSeparated = true;\n
if (expressions.length > 1) {\n
value =\n
new(tree.Value)(expressions);\n
}\n
argsSemiColon.push({ name, value, expand\n
});\n
name = null;\n
expressions = [];\n
expressionContainsNamed = false;\n
}\n
}\n
parserInput.forget();\n
returner.args = isSemiColonSeparated ? argsSemiColon : argsComma;\n
return returner;\n
},\n
//\n
// A Mixin definition, with a list of parameters\n
//\n
// .rounded\n
(@radius: 2px, @color) {\n
//\n
...}\n
//\n
// Until we have a finer grained state-machine, we have to\n
// do a look-ahead, to make sure we don't have a mixin call.\n
// See the `rule` function for more\n
information.\n
//\n
// We start by matching `rounded`, and then proceed on to\n
// the\n
// argument list, which has optional default values.\n
// We store the parameters in `params`, with a `value`\n
key,\n
// if there is a value, such as in the case of `@radius`.\n
//\n
// Once we've got our\n
params list, and a closing `}`, we parse\n
// the `{...}` block.\n
//\n
definition: function ()\n
{\n
let name;\n
let params = [];\n
let match;\n
let ruleset;\n
let cond;\n
let variadic\n
= false;\n
if ((parserInput.currentChar() !== '.' && parserInput.currentChar() !== '#') ||\n
parserInput.peek(/^[\{]*\}\n/)) {\n
return;\n
}\n
parserInput.save();\n
match = parserInput.$re(/^(#[.](?:[\w-]|\n|(?:[A-Fa-f0-9]{1,6} ?)[^A-Fa-f0-9]))+\n\s*(\n/);\n
if

```

```

(match) {\n
    name = match[1];\n\n
    const argInfo = this.args(false);\n
    params = argInfo.args;\n
    variadic = argInfo.variadic;\n\n
    // .mixincall("@{a}");\n
    // looks a bit like a mixin definition..\n
    // also\n
    // .mixincall(@a: {rule:
set;});\n
    // so we have to be nice and restore\n
    if (!parserInput.$char('')) {\n
        parserInput.restore('Missing
closing \\')\n\n
        return;\n
    }\n\n
    parserInput.commentStore.length =
0;\n\n
    if (parserInput.$str('when')) { // Guard\n
        cond = expect(parsers.conditions,
'expected condition');\n
    }\n\n
    ruleset = parsers.block();\n
    if (ruleset) {\n
        parserInput.forget();\n
        return new(tree.mixin.Definition)(name, params, ruleset,
cond, variadic);\n
    } else {\n
        parserInput.restore();\n
    }\n
}\n
else {\n
    parserInput.restore();\n
}\n
},\n
\n
ruleLookups:
function() {\n
    let rule;\n
    let args;\n
    const lookups = [];\n
    if (parserInput.currentChar() !== '[') {\n
        return;\n
    }\n
    while (true) {\n
        parserInput.save();\n
        args = null;\n
        rule = this.lookupValue();\n
        if (!rule && rule !== "") {\n
            parserInput.restore();\n
            break;\n
        }\n
        lookups.push(rule);\n
        parserInput.forget();\n
    }\n
    if (lookups.length >
0) {\n
        return lookups;\n
    }\n
},\n
\n
lookupValue: function() {\n
    parserInput.save();\n
    \n
    if (!parserInput.$char('[')) {\n
        parserInput.restore();\n
        return;\n
    }\n
    \n
    if (name || name === "") {\n
        parserInput.forget();\n
        return name;\n
    }\n
    \n
    parserInput.restore();\n
    \n
    },\n
    //\n
    // Entities are the
smallest recognized token,\n
    // and can be found inside a rule's value.\n
    //\n
    entity: function ()
{\n
    const entities = this.entities;\n
    return this.comment() || entities.literal() || entities.variable() ||
entities.url() ||\n
    entities.property() || entities.call() || entities.keyword() || this.mixin.call(true) ||\n
    entities.javascript();\n
},\n
\n
    //\n
    // A Declaration terminator.
Note that we use `peek()` to check for `';`,\n
    // because the `block` rule will be expecting it, but we still need
to make sure\n
    // it's there, if `;` was omitted.\n
    //\n
    end: function () {\n
        return
parserInput.$char(';') || parserInput.peek(';');\n
    },\n
\n
    //\n
    // IE's alpha function\n
    //\n
    // alpha(opacity=88)\n
    //\n
    ieAlpha: function () {\n
        let value;\n
        //
http://jsperf.com/case-insensitive-regex-vs-strtolower-then-regex/18\n
        if (!parserInput.$re(/^opacity=i)) {\n
            return;
        }\n
        value = parserInput.$re(/^\\d+$/);\n
        if (!value) {\n
            value =
expect(parsers.entities.variable, 'Could not parse alpha');\n
            value = `@{${value.name.slice(1)}}`;
        }\n
        expectChar('');\n
        return new tree.Quoted(" `alpha(opacity=${value})`");\n
    },\n
\n
    //\n
    // A Selector Element\n
    //\n
    // div\n
    // + h1\n
    //
#socks\n
    // input[type="text"]\n
    //\n
    // Elements are the building blocks for Selectors,\n
    // they are made out of a `Combinator` (see combinator rule),\n
    // and an element name, such as a tag a class,
or `*`.\n
    //\n
    element: function () {\n
        let e;\n
        let c;\n
        let v;\n
        const
index = parserInput.i;\n
        c = this.combinator();\n
        e = parserInput.$re(/^(?:\\d+\\.\\d+|\\d+)%/)\n
||\n
        parserInput.$re(/^(?:[.#]?[*])(?:[\\w-]|\\x00-\\x9f|\\\\\\\\(?:[A-Fa-f0-9]{1,6} ?|^A-Fa-f0-9))+/)\n
||\n
        parserInput.$char('*') || parserInput.$char('&') || this.attribute() ||\n
parserInput.$re(/^\\([^(&@)+\\)/)\n
|| parserInput.$re(/^\\[\\.#:](?=@)/)\n
||\n
        this.entities.variableCurly();\n
    }\n
    if (!e) {\n
        parserInput.save();\n
        if (parserInput.$char('(')) {\n
            if ((v = this.selector(false)) &&
parserInput.$char('')) {\n
                e = new(tree.Paren)(v);\n
                parserInput.forget();\n
            }\n
        } else {\n
            parserInput.restore('Missing closing \\')\n
        }\n
    } else {\n
        parserInput.forget();\n
    }\n
}\n
\n
    if (e) { return new(tree.Element)(c,
e, e instanceof tree.Variable, index, fileInfo); }\n
},\n
\n
    //\n
    // Combinators combine elements

```



```

together, in a Selector.\n      //\n      // Because our parser isn't white-space sensitive, special care\n      //
has to be taken,
when parsing the descendant combinator, ` `,\n      // as it's an empty space. We have to check the previous
character\n      // in the input, to see if it's a ` ` character. More info on how\n      // we deal with this in
*combinator.js*.\n      //\n      combinator: function () {\n          let c = parserInput.currentChar();\n          if (c === '/') {\n              parserInput.save();\n              const slashedCombinator = parserInput.$re(/^\\\[a-z]+\|/i);\n              if (slashedCombinator) {\n                  parserInput.forget();\n                  return
new(tree.Combinator)(slashedCombinator);\n              }\n              parserInput.restore();\n          }\n          if (c === '>' || c === '+' || c === '~' || c === '|' || c === '^') {\n              parserInput.i++;\n              if (c ===
'^' && parserInput.currentChar() === '^') {\n                  c = '^';\n                  parserInput.i++;\n              }\n              while (parserInput.isWhitespace()) {\n
parserInput.i++; }\n              return new(tree.Combinator)(c);\n          } else if (parserInput.isWhitespace(-1)) {\n
return new(tree.Combinator)(' '); }\n          } else {\n              return
new(tree.Combinator)(null);\n          }\n      },\n      //\n      // A CSS Selector\n      // with less
extensions e.g. the ability to extend and guard\n      //\n      // .class > div + h1\n      // li a:hover\n      //\n      // Selectors are made out of one or more Elements, see above.\n      //\n      selector: function
(isLess) {\n          const index = parserInput.i;\n          let elements;\n          let extendList;\n          let
c;\n          let e;\n          let allExtends;\n          let when;\n          let condition;\n          isLess = isLess !== false;\n          while ((isLess && (extendList
= this.extend())) || (isLess && (when = parserInput.$str('when'))) || (e = this.element())) {\n              if (when) {\n
condition = expect(this.conditions, 'expected condition');\n              } else if (condition) {\n
error('CSS guard can only be used at the end of selector');\n              } else if (extendList) {\n
if (allExtends) {\n                  allExtends = allExtends.concat(extendList);\n              } else {\n
allExtends = extendList;\n              }\n              } else {\n                  if (allExtends) {\n
error('Extend can only be used at the end of selector'); }\n                  c = parserInput.currentChar();\n
if (elements) {\n                      elements.push(e);\n                  } else {\n                      elements = [ e ];\n                  }\n
e = null;\n              }\n              if (c === '[' || c === ')' || c === ';' || c === ',' || c === ':') {\n
break;\n              }\n              }\n          }\n          if (elements) { return new(tree.Selector)(elements, allExtends,
condition, index, fileInfo); }\n          if (allExtends) { error('Extend must be used to extend a selector, it cannot be
used on its own'); }\n          },\n          selectors: function () {\n              let s;\n              let selectors;\n
while (true) {\n                  s = this.selector();\n                  if (!s) {\n                      break;\n                  }\n
if (selectors) {\n                      selectors.push(s);\n                  } else {\n                      selectors
= [ s ];\n                  }\n                  parserInput.commentStore.length = 0;\n                  if (s.condition &&
selectors.length > 1) {\n                      error('"Guards are only currently allowed on a single selector."');\n
}\n                  if (!parserInput.$char(',')) { break; }\n                  if (s.condition) {\n                      error('"Guards
are only currently allowed on a single selector."');\n                  }\n                  parserInput.commentStore.length =
0;\n              }\n              return selectors;\n          },\n          attribute: function () {\n              if
(!parserInput.$char('=')) {\n                  return;\n              }\n              const entities = this.entities;\n              let key;\n              let val;\n
let op;\n              //\n              // case-insensitive flag\n              // e.g. [attr operator value i]\n              //\n
let
cif;\n              if (!(key = entities.variableCurly())) {\n                  key = expect(/^(?:[_A-Za-z0-9-
\\*]*\\)?(?:[_A-Za-z0-9-]\\\\|\\.|+));\n              }\n              op = parserInput.$re(/^([~*$^]?=?);\n              if (op)
{\n                  val = entities.quoted() || parserInput.$re(/^([0-9]+%/)\n              || parserInput.$re(/^([\\w-]+)\n              ||
parserInput.$re(/^([iIsS]);\n              }\n              }\n              expectChar(']');\n              return new(tree.Attribute)(key, op, val, cif);\n          },\n          //\n          // The `block` rule is used by `ruleset` and `mixin.definition`.\n          // It's a wrapper around the
`primary` rule, with added `{}`.\n          //\n          block: function () {\n              let content;\n              if

```

```

(parserInput.$char('{') && (content = this.primary()) && parserInput.$char('}')) {\n
  return content;\n      }\n      },\n\n      blockRuleset: function() {\n      let block =
this.block();\n      if (block) {\n      block = new tree.RuleSet(null, block);\n      }\n
return block;\n      },\n\n      detachedRuleset: function() {\n      let argInfo;\n      let params;\n      let variadic;\n\n      parserInput.save();\n      if (parserInput.$re(/^#.#[\s\/()]/)) {\n      /**\n      * DR args currently only implemented for each() function, and not\n      * yet settable as `@dr:
#@arg) {`}\n      * This should be done when DRs are merged with mixins.\n      * See:
https://github.com/less/less-meta/issues/16\n      */\n      argInfo = this.mixin.args(false);\n      params = argInfo.args;\n      variadic = argInfo.variadic;\n      if (!parserInput.$char('')) {\n      parserInput.restore();\n      return;\n      }\n      }\n      const blockRuleset = this.blockRuleset();\n      if
(blockRuleset) {\n      parserInput.forget();\n      if (params) {\n      return new
tree.mixin.Definition(null, params, blockRuleset, null, variadic);\n      }\n      return new
tree.DetachedRuleSet(blockRuleset);\n      }\n      parserInput.restore();\n      },\n\n      /\n
// div, .class, body > p { ... }\n      /\n      ruleSet: function () {\n      let selectors;\n      let rules;\n      let debugInfo;\n      parserInput.save();\n      if (context.dumpLineNumbers) {\n      debugInfo = getDebugInfo(parserInput.i);\n      }\n      selectors = this.selectors();\n      if (selectors && (rules = this.block())) {\n      parserInput.forget();\n      const ruleSet = new(tree.RuleSet)(selectors, rules, context.strictImports);\n      if (context.dumpLineNumbers) {\n      ruleSet.debugInfo = debugInfo;\n      }\n      return ruleSet;\n      } else {\n      parserInput.restore();\n      },\n      declaration:
function () {\n      let name;\n      let value;\n      const index = parserInput.i;\n      let
hasDR;\n      const c = parserInput.currentChar();\n      let important;\n      let merge;\n      let isVariable;\n\n      if (c === '.' || c === '#' || c === '&'amp; || c === ':') { return; }\n\n      parserInput.save();\n      name = this.variable() || this.ruleProperty();\n      if (name) {\n      isVariable = typeof name
=== 'string';\n      if (isVariable) {\n      value = this.detachedRuleset();\n      if
(value) {\n      hasDR = true;\n      }\n      }\n\n      parserInput.commentStore.length = 0;\n      if (!value) {\n      // a name returned by
this.ruleProperty() is always an array of the form:\n      // [string-1, ..., string-n, \"\"] or [string-1, ...,
string-n, \"+\"]\n      // where each item is a tree.Keyword or tree.Variable\n      merge =
!isVariable && name.length > 1 && name.pop().value;\n      // Custom property values get permissive
parsing\n      if (name[0].value && name[0].value.slice(0, 2) === '--') {\n      value = this.permissiveValue();\n      }\n      // Try to store values as anonymous\n      // If we need the value later we'll re-parse it in ruleSet.parseValue\n      else {\n      value = this.anonymousValue();\n      }\n      if (value) {\n      parserInput.forget();\n      // anonymous values absorb the end ';' which is required for them to work\n      return new(tree.Declaration)(name, value, false, merge, index, fileInfo);\n      }\n      if (!value) {\n      value = this.value();\n      }\n      if (value) {\n      important = this.important();\n      } else if (isVariable) {\n      // As a last resort, try
permissiveValue\n      value = this.permissiveValue();\n      }\n      }\n      }\n      if (value &&
(this.end() || hasDR)) {\n      parserInput.forget();\n      return new(tree.Declaration)(name,
value, important, merge, index, fileInfo);\n      }\n      else {\n      parserInput.restore();\n      }\n      },\n\n      anonymousValue: function () {\n      const index = parserInput.i;\n      const match =
parserInput.$re(/^([\s#\$\+\\\\"`~]*;){-}*$/); \n      if (match) {\n      return
new(tree.Anonymous)(match[1], index);\n      }\n      },\n      /**\n      * Used for custom

```

```

properties, at-rules, and variables (as fallback)\n      * Parses almost anything inside
of { } [] () \"\" blocks\n      * until it reaches outer-most tokens.\n      * \n      * First, it will try to parse
comments and entities to reach\n      * the end. This is mostly like the Expression parser except no\n      *
math is allowed.\n      *\n      permissiveValue: function (untilTokens) {\n          let i;\n          let e;\n          let done;\n          let value;\n          const tok = untilTokens || ';';\n          const index =
parserInput.i;\n          const result = [];\n          function testCurrentChar() {\n              const char =
parserInput.currentChar();\n              if (typeof tok === 'string') {\n                  return char === tok;\n              } else {\n                  return tok.test(char);\n              }\n          }\n          if (testCurrentChar()) {\n              return;\n          }\n          value = [];\n          do {\n              e = this.comment();\n              if (e) {\n                  value.push(e);\n                  continue;\n              }\n              e = this.entity();\n              if (e) {\n                  value.push(e);\n              }\n          } while (e);\n          done = testCurrentChar();\n          if
(value.length > 0) {\n              value = new(tree.Expression)(value);\n              if (done) {\n                  return value;\n              }\n              else {\n                  result.push(value);\n              }\n          }\n          //
Preserve space before $parseUntil as it will not\n          if (parserInput.prevChar() === ' ') {\n              result.push(new tree.Anonymous(' ', index));\n          }\n          parserInput.save();\n          value = parserInput.$parseUntil(tok);\n          if (value) {\n              if (typeof value === 'string') {\n                  {\n                      error('Expected `${value}`, 'Parse');\n                  }\n                  if (value.length === 1 &&
value[0] === ' ') {\n                      parserInput.forget();\n                      return new tree.Anonymous(' ', index);\n                  }\n                  let item;\n                  for (i = 0; i < value.length; i++) {\n                      item = value[i];\n                      if (Array.isArray(item)) {\n                          // Treat actual quotes as normal quoted values\n                          result.push(new tree.Quoted(item[0], item[1], true, index, fileInfo));\n                      }\n                      else {\n                          if (i === value.length - 1) {\n                              item = item.trim();\n                          }\n                          // Treat like quoted values, but replace vars like unquoted expressions\n                          const
quote = new tree.Quoted("\\", item, true, index, fileInfo);\n                          quote.variableRegex = /@([\w-]+)/g;\n                          quote.propRegex = /\$([\w-]+)/g;\n                          result.push(quote);\n                      }\n                  }\n                  parserInput.forget();\n                  return new tree.Expression(result, true);\n              }\n          }\n          parserInput.restore();\n          },\n          //\n          // An @import atrule\n          //\n          // @import
\"lib\";\n          //\n          // Depending on our environment, importing is done differently:\n          // In the
browser, it's an XHR request, in Node, it would be a\n          // file-system operation. The function used for
importing is\n          // stored in `import`, which we pass
to the Import constructor.\n          //\n          'import': function () {\n              let path;\n              let features;\n              const index = parserInput.i;\n              const dir = parserInput.$re(/^@import\s+/);\n              if (dir) {\n                  const options = (dir ? this.importOptions() : null) || {};\n                  if ((path = this.entities.quoted() ||
this.entities.url())) {\n                      features = this.mediaFeatures();\n                      if (!parserInput.$char(';')) {\n                          parserInput.i = index;\n                          error('missing semi-colon or unrecognised media features
on import');\n                      }\n                      features = features && new(tree.Value)(features);\n                      return new(tree.Import)(path, features, options, index, fileInfo);\n                  }\n                  else {\n                      parserInput.i =
index;\n                      error('malformed import statement');\n                  }\n              }\n          },\n          },\n          },\n          importOptions: function() {\n              let o;\n              const options = {};\n              let optionName;\n              let value;\n              // list of options, surrounded by parens\n              if (!parserInput.$char('(')) { return null; }\n              do {\n                  o = this.importOption();\n                  if (o) {\n                      optionName = o;\n                      value = true;\n                      switch (optionName) {\n                          case 'css':\n                              optionName = 'less';\n                              value = false;\n                              break;\n                          case 'once':\n                              optionName = 'multiple';\n                              value = false;\n                              break;\n                      }\n                      options[optionName] = value;\n                      if (!parserInput.$char(','))\n                          { break; }\n                  }\n              } while (o);\n              expectChar(')');\n              return options;\n          }

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},\n\n    importOption: function() {\n        const opt =
parserInput.$re(/^(less|css|multiple|once|inline|reference|optional)/);\n        if (opt) {\n            return
opt[1];\n        }\n    },\n\n    mediaFeature: function () {\n        const entities = this.entities;\n        const nodes = [];\n        let e;\n        let p;\n        parserInput.save();\n        do {\n            e
= entities.keyword() || entities.variable() || entities.mixinLookup();\n            if (e) {\n
nodes.push(e);\n            } else if (parserInput.$char('(')) {\n
                p = this.property();\n                e = this.value();\n                if (parserInput.$char(')')) {\n
                    if (p && e) {\n                        nodes.push(new(tree.Paren)(new(tree.Declaration)(p, e, null, null,
parserInput.i, fileInfo, true)));\n                    } else if (e) {\n
nodes.push(new(tree.Paren)(e));\n                    } else {\n                        error('badly formed media feature
definition');\n                    }\n                } else {\n                    error('Missing closing \\\\)\'', 'Parse');\n                }\n            }\n        } while (e);\n\n        parserInput.forget();\n        if (nodes.length >
0) {\n            return new(tree.Expression)(nodes);\n        }\n    },\n\n    mediaFeatures: function ()
{\n        const entities
= this.entities;\n        const features = [];\n        let e;\n        do {\n            e =
this.mediaFeature();\n            if (e) {\n                features.push(e);\n                if
(!parserInput.$char(',')) { break; }\n            } else {\n                e = entities.variable() ||
entities.mixinLookup();\n                if (e) {\n                    features.push(e);\n                    if
(!parserInput.$char(',')) { break; }\n                }\n            } while (e);\n\n            return
features.length > 0 ? features : null;\n        },\n\n        media: function () {\n            let features;\n            let
rules;\n            let media;\n            let debugInfo;\n            const index = parserInput.i;\n            if
(context.dumpLineNumbers) {\n                debugInfo = getDebugInfo(index);\n            }\n            parserInput.save();\n            if (parserInput.$str('@media')) {\n                features =
this.mediaFeatures();\n                rules = this.block();\n                if (!rules) {\n                    error('media
definitions require block statements after any features');\n                }\n                parserInput.forget();\n                if (context.dumpLineNumbers) {\n
                    media.debugInfo = debugInfo;\n                }\n                return media;\n            }\n        },\n\n        parserInput.restore();\n    },\n\n    //\n\n    // A @plugin directive, used to import plugins
dynamically.\n    //\n    // @plugin (args) \"lib\";\n    //\n    plugin: function () {\n        let
path;\n        let args;\n        let options;\n        const index = parserInput.i;\n        const dir =
parserInput.$re(/@plugin\\s+/);\n        if (dir) {\n            args = this.pluginArgs();\n            if
(args) {\n                options = {\n                    pluginArgs: args,\n                    isPlugin: true\n                };\n            } else {\n                options = { isPlugin: true };\n            }\n        }\n        if ((path = this.entities.quoted() || this.entities.url())) {\n            if (!parserInput.$char(';')) {\n
                parserInput.i = index;\n                error('missing semi-colon on @plugin');\n            }\n        }\n        return new(tree.Import)(path, null, options, index, fileInfo);\n        }\n        else {\n            parserInput.i = index;\n            error('malformed @plugin statement');\n        }\n    }\n},\n\n    pluginArgs: function() {\n        // list of options, surrounded by parens\n        parserInput.save();\n        if (!parserInput.$char('(')) {\n            parserInput.restore();\n            return
null;\n        }\n        const args = parserInput.$re(/^(\\s*(\\[\\^\\|\\;]+)\\)\\s*$/);\n        if (args[1]) {\n            parserInput.forget();\n            return args[1].trim();\n        }\n        else {\n            parserInput.restore();\n            return null;\n        }\n    },\n\n    //\n\n    // A CSS AtRule\n    //\n    // @charset \"utf-8\";\n    //\n    atrule: function () {\n        const index =
parserInput.i;\n        let name;\n        let value;\n        let rules;\n        let nonVendorSpecificName;\n        let hasIdentifier;\n        let hasExpression;\n        let hasUnknown;\n        let hasBlock = true;\n        let isRooted =
true;\n        if (parserInput.currentChar() !== '@') { return; }\n        value = this['import']() ||

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this.plugin() || this.media());\n          if (value) {\n              return value;\n          }\n\nparserInput.save();\n          name = parserInput.$re(/^@[a-z-]+/);\n          if (!name) { return; }\n\n          nonVendorSpecificName = name;\n          if (name.charAt(1) == '-' && name.indexOf('-', 2) > 0) {\n              nonVendorSpecificName = `@$${name.slice(name.indexOf('-', 2) + 1)}`;\n          }\n\n          switch\n          (nonVendorSpecificName) {\n              case '@charset':\n                  hasIdentifier\n                  = true;\n                  hasBlock = false;\n                  break;\n              case '@namespace':\n                  hasExpression = true;\n                  hasBlock = false;\n                  break;\n              case '@keyframes':\n                  case '@counter-style':\n                      hasIdentifier = true;\n                      break;\n              case\n              '@document':\n                  case '@supports':\n                      hasUnknown = true;\n                      isRooted =\n                      false;\n                      break;\n                  default:\n                      hasUnknown = true;\n                      break;\n          }\n\n          parserInput.commentStore.length = 0;\n          if (hasIdentifier) {\n              value =\n              this.entity();\n              if (!value) {\n                  error(`expected ${name} identifier`);\n              }\n              } else if (hasExpression) {\n                  value = this.expression();\n                  if (!value) {\n                      error(`expected ${name} expression`);\n                  }\n              } else if (hasUnknown) {\n                  value = this.permissiveValue(/^[{;}]$/);\n                  hasBlock = (parserInput.currentChar() === '{');\n                  if\n                  (!value) {\n                      if (!hasBlock && parserInput.currentChar() !== ';') {\n                          error(`${name}\n                          rule is missing block or ending semi-colon`);\n                      }\n                  }\n                  else if (!value.value)\n                  {\n                      value = null;\n                  }\n                  }\n\n                  if (hasBlock) {\n                      rules =\n                      this.blockRuleset();\n                  }\n\n                  if (rules || (!hasBlock && value && parserInput.$char(';'))) {\n                      parserInput.forget();\n\n                      return new(tree.AtRule)(name, value, rules, index, fileInfo,\n                      context.dumpLineNumbers\n                      ? getDebugInfo(index) : null,\n                      isRooted\n                      );\n                  }\n\n                  parserInput.restore('at-rule options not recognised');\n                  },\n                  }\n\n                  //\n                  // A Value is a comma-delimited list of Expressions\n                  //\n                  // font-family: Baskerville, Georgia, serif;\n                  //\n                  //\n                  In a Rule, a Value represents everything after the `:`,\n                  // and before the `;`.\n                  //\n                  value:\n\n                  function () {\n                      let e;\n                      const expressions = [];\n                      const index = parserInput.i;\n\n                      do {\n                          e = this.expression();\n                          if (e) {\n                              expressions.push(e);\n                              if\n                              (!parserInput.$char(',')) { break; }\n                          }\n                      }\n                      } while (e);\n\n                      if (expressions.length > 0) {\n                          return\n                          new(tree.Value)(expressions, index);\n                      }\n                  },\n                  important: function () {\n                      if\n                      (parserInput.currentChar() === '!') {\n                          return parserInput.$re(/^! *important/);\n                      }\n                  },\n                  },\n\n                  sub: function () {\n                      let a;\n                      let e;\n\n                      parserInput.save();\n                      if\n                      (parserInput.$char('(')) {\n                          a = this.addition();\n                          if (a && parserInput.$char('(')) {\n                              e = new(tree.Expression)([a]);\n                              e.parens = true;\n                          }\n                      }\n\n                      return e;\n                  }\n\n                  parserInput.restore('Expected \\('\\)\\)');\n                  return;\n                  }\n\n                  parserInput.restore();\n\n                  },\n\n                  multiplication: function () {\n                      let m;\n                      let a;\n                      let op;\n                      let\n                      operation;\n                      let isSpaced;\n                      m = this.operand();\n                      if (m) {\n                          isSpaced =\n                          parserInput.isWhitespace(-1);\n                      }\n\n                      while (true) {\n                          if (parserInput.peek(/^\\|[*\\|/]/)) {\n                              break;\n                          }\n                      }\n\n                      parserInput.save();\n                      op = parserInput.$char('/')\n                      || parserInput.$char('*') || parserInput.$str('/');\n\n                      if (!op) {\n                          parserInput.forget();\n                          break;\n                      }\n\n                      a = this.operand();\n                      if (!a) {\n                          parserInput.restore();\n                          break;\n                      }\n\n                      parserInput.forget();\n                      m.parensInOp = true;\n                      a.parensInOp = true;\n\n                      operation = new(tree.Operation)(op,\n                      [operation || m, a], isSpaced);\n                      isSpaced = parserInput.isWhitespace(-1);\n                  }\n\n                  return operation || m;\n                  },\n                  },\n\n                  addition: function () {\n                      let m;\n                      let a;\n                      let op;\n                      let operation;\n                      let isSpaced;\n                      m = this.multiplication();\n                      if\n                      (m) {\n                          isSpaced = parserInput.isWhitespace(-1);\n                      }\n\n                      while (true) {\n                          op =

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parserInput.$re(/^[+]\s+/) || (!isSpaced && (parserInput.$char('+') || parserInput.$char('-')));
if (!op) {
  break;
}
a = this.multiplication();
if (!a) {
  break;
}
m.parensInOp = true;
a.parensInOp = true;
operation = new(tree.Operation)(op, [operation || m, a], isSpaced);
isSpaced = parserInput.isWhitespace(-1);
return operation || m;
},
conditions: function () {
  let a;
  let b;
  const index = parserInput.i;
  let condition;
  a = this.condition(true);
  if (a) {
    while (true) {
      if (!parserInput.peek(/^\s*(not\s*)?\/) || !parserInput.$char(',')) {
        break;
      }
      b = this.condition(true);
      if (!b) {
        break;
      }
      condition = new(tree.Condition)('or', condition || a, b, index);
    }
    return condition || a;
  },
condition: function (needsParens) {
  let
  result;
  let logical;
  let next;
  function or() {
    return
    parserInput.$str('or');
  }
  result = this.conditionAnd(needsParens);
  if (!result) {
    return ;
  }
  logical = or();
  if (logical) {
    next =
    this.condition(needsParens);
    if (next) {
      result = new(tree.Condition)(logical, result,
      next);
    } else {
      return ;
    }
  }
  return result;
},
conditionAnd: function (needsParens) {
  let result;
  let logical;
  let
  next;
  const self
  = this;
  function insideCondition() {
    const cond = self.negatedCondition(needsParens) ||
    self.parenthesisCondition(needsParens);
    if (!cond && !needsParens) {
      return
    }
    return cond;
  }
  function
  and() {
    return parserInput.$str('and');
  }
  result = insideCondition();
  if (!result) {
    return ;
  }
  logical = and();
  if (logical) {
    next =
    this.conditionAnd(needsParens);
    if (next) {
      result =
      new(tree.Condition)(logical, result, next);
    } else {
      return ;
    }
  }
  return result;
},
negatedCondition:
function (needsParens) {
  if (parserInput.$str('not')) {
    const result =
    this.parenthesisCondition(needsParens);
    if (result) {
      result.negate = !result.negate;
    }
    return result;
  },
parenthesisCondition: function (needsParens) {
  function tryConditionFollowedByParenthesis(me) {
    let body;
    parserInput.save();
    body = me.condition(needsParens);
    if (!body) {
      parserInput.restore();
      return ;
    }
    if (!parserInput.$char('')) {
      parserInput.restore();
      return ;
    }
    parserInput.forget();
    return body;
  }
  let body;
  parserInput.save();
  if (!parserInput.$str('')) {
    parserInput.restore();
    return ;
  }
  body =
  tryConditionFollowedByParenthesis(this);
  if (body) {
    parserInput.forget();
    return body;
  }
  body = this.atomicCondition(needsParens);
  if (!body) {
    parserInput.restore();
    return ;
  }
  if (!parserInput.$char('')) {
    parserInput.restore(' expected ') got '${parserInput.currentChar}';
    return ;
  }
  parserInput.forget();
  return body;
},
atomicCondition: function (needsParens) {
  const entities = this.entities;
  const index = parserInput.i;
  let a;
  let b;
  let c;
  let op;
  function cond() {
    return this.addition() || entities.keyword() || entities.quoted() || entities.mixinLookup();
  }
  cond
  = cond.bind(this);
  a = cond();
  if (a) {
    if (parserInput.$char('>')) {
      if (parserInput.$char('=')) {
        op = '>=';
      } else {
        op = '>';
      }
    }
    if (parserInput.$char('<')) {
      if (parserInput.$char('=')) {
        op = '<=';
      } else {
        op = '<';
      }
    }
  }
}

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else\n          if (parserInput.$char('=') {\n          if (parserInput.$char('>'))\n          {\n          op = '=>';\n          } else if (parserInput.$char('<')) {\n          op = '=<';\n          } else {\n          op = '=';\n          }\n          }\n          b = cond();\n          if (b) {\n          c = new(tree.Condition)(op, a, b, index, false);\n          } else {\n          error('expected expression');\n          } else {\n          c =\n          new(tree.Condition)('=', a, new(tree.Keyword)('true'), index, false);\n          }\n          return c;\n          }\n          },\n          // An operand is anything that can be part of an operation,\n          // such as a\n          Color, or a Variable\n          //\n          operand: function () {\n          const entities = this.entities;\n          let negate;\n          if (parserInput.peek(/^-[@\\$\\(\\)/]) {\n          negate = parserInput.$char('-');\n          }\n          let o = this.sub() || entities.dimension() ||\n          entities.color() || entities.variable() ||\n          entities.property() || entities.call() ||\n          entities.quoted(true) || entities.colorKeyword() ||\n          entities.mixinLookup();\n          if (negate) {\n          o.parensInOp = true;\n          o = new(tree.Negative)(o);\n          }\n          return o;\n          },\n          // Expressions either represent mathematical operations,\n          // or white-space delimited\n          Entities.\n          //\n          // 1px solid black\n          // @var * 2\n          //\n          expression: function ()\n          {\n          const entities = [];\n          let e;\n          let delim;\n          const index = parserInput.i;\n          do\n          {\n          e = this.comment();\n          if (e) {\n          entities.push(e);\n          continue;\n          }\n          e = this.addition() || this.entity();\n          if (e instanceof\n          tree.Comment) {\n          e = null;\n          }\n          if (e) {\n          entities.push(e);\n          // operations do not allow keyword \"^\" dimension (e.g. small/20px) so we support that here\n          if (!parserInput.peek(/^\\[\\/*\\])) {\n          delim = parserInput.$char('/');\n          if\n          (delim) {\n          entities.push(new(tree.Anonymous)(delim, index));\n          }\n          }\n          }\n          } while (e);\n          if (entities.length > 0) {\n          return\n          new(tree.Expression)(entities);\n          }\n          },\n          property: function () {\n          const name =\n          parserInput.$re(/^\\(\\*?-?[a-zA-Z0-9-]+)\\s*/);\n          if (name) {\n          return name[1];\n          }\n          },\n          ruleProperty: function () {\n          let name = [];\n          const index = [];\n          let s;\n          let k;\n          parserInput.save();\n          const simpleProperty = parserInput.$re(/^([a-zA-Z0-9-]\n          ]+\\s*/);\n          if (simpleProperty) {\n          name = [new(tree.Keyword)(simpleProperty[1])];\n          parserInput.forget();\n          return name;\n          }\n          }\n          function match(re) {\n          const i = parserInput.i;\n          const\n          chunk = parserInput.$re(re);\n          if (chunk) {\n          index.push(i);\n          return\n          name.push(chunk[1]);\n          }\n          }\n          match(/^\\(\\*?)/);\n          while (true) {\n          if (!match(/^((?:[\\w-]+)(?:[\\@\\$][\\w-]+|)))/) {\n          break;\n          }\n          }\n          if ((name.length > 1) && match(/^((?:[\\w-]+|)?)\\s*/)) {\n          parserInput.forget();\n          // at\n          last, we have the complete match now. move forward,\n          // convert name particles to tree objects and\n          return;\n          if (name[0] === ")") {\n          name.shift();\n          index.shift();\n          }\n          for (k = 0; k < name.length; k++) {\n          s = name[k];\n          name[k] =\n          (s.charAt(0) !== '@' && s.charAt(0)\n          !== '$') ?\n          new(tree.Keyword)(s) :\n          (s.charAt(0) === '@' ?\n          new(tree.Variable)('@${s.slice(2, -1)}', index[k], fileInfo) :\n          new(tree.Property)('${s.slice(2, -\n          1)}', index[k], fileInfo));\n          }\n          return name;\n          }\n          }\n          parserInput.restore();\n          }\n          }\n          };;\n          Parser.serializeVars = vars => {\n          let s = "";\n          for (const name in vars) {\n          if\n          (Object.hasOwnProperty.call(vars, name)) {\n          const value = vars[name];\n          s += `${((name[0] === '@')\n          ? " : '@') + name} : ${value}${(String(value).slice(-1) === ';') ? " : ';'}`;\n          }\n          }\n          return s;\n          };\n          export\n          default Parser;\n          "import Anonymous from './tree/anonymous';\n          import Keyword from\n          './tree/keyword';\n          function boolean(condition) {\n          return condition ? Keyword.True :

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Keyword.False;\n}\n\n/\*\*\n

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* Functions with evalArgs set to false are sent context\n * as the first argument.\n *^\nfunction If(context, condition, trueValue, falseValue) {\n  return condition.eval(context) ? trueValue.eval(context)\n    : (falseValue ? falseValue.eval(context) : new Anonymous);\n}\n\nIf.evalArgs = false;\n\nfunction isdefined(context, variable) {\n  try {\n    variable.eval(context);\n    return Keyword.True;\n  } catch (e) {\n    return Keyword.False;\n  }\n}\n\nisdefined.evalArgs = false;\n\nexport default { isdefined, boolean, 'if': If ;\n},\n\n\"import Dimension from './tree/dimension';\nimport Color from './tree/color';\nimport Quoted from './tree/quoted';\nimport Anonymous from './tree/anonymous';\nimport Expression from './tree/expression';\nimport Operation from './tree/operation';\n\nlet colorFunctions;\n\nfunction clamp(val) {\n  return Math.min(1, Math.max(0, val));\n}\n\nfunction hsla(origColor, hsl) {\n  const color = colorFunctions.hsla(hsl.h, hsl.s, hsl.l, hsl.a);\n  if (color) {\n    if (origColor.value && \n      /^rgb|hsl)/.test(origColor.value)) {\n      color.value = origColor.value;\n    } else {\n      color.value = 'rgb';\n    }\n    return color;\n  }\n}\n\nfunction toHSL(color) {\n  if (color.toHSL) {\n    return color.toHSL();\n  } else {\n    throw new Error('Argument cannot be evaluated to a color');\n  }\n}\n\nfunction toHSV(color) {\n  if (color.toHSV) {\n    return color.toHSV();\n  } else {\n    throw new Error('Argument cannot be evaluated to a color');\n  }\n}\n\nfunction number(n) {\n  if (n instanceof Dimension) {\n    return parseFloat(n.unit.is('%') ? n.value / 100 : n.value);\n  } else if (typeof n === 'number') {\n    return n;\n  } else {\n    throw {\n      type: 'Argument',\n      message: 'color functions take numbers as parameters'\n    };\n  }\n}\n\nfunction scaled(n, size) {\n  if (n instanceof Dimension && n.unit.is('%')) {\n    return parseFloat(n.value * size / 100);\n  } else {\n    return number(n);\n  }\n}\n\nconst colorFunctions = {\n  rgb: function (r, g, b) {\n    let a = 1\n    /**\n     * Comma-less syntax\n     * e.g. rgb(0 128 255 / 50%)\n     */\n    if (r instanceof Expression) {\n      const val = r.value\n      r = val[0]\n      g = val[1]\n      b = val[2]\n      /**\n       * @todo - should this be normalized in\n       * function caller? Or parsed differently?\n       */\n      if (b instanceof Operation) {\n        const op = b\n        b = op.operands[0]\n        a = op.operands[1]\n      }\n      const color = colorFunctions.rgba(r, g, b, a);\n      if (color) {\n        color.value = 'rgb';\n        return color;\n      }\n    },\n  rgba: function (r, g, b, a) {\n    try {\n      if (r instanceof Color) {\n        if (g) {\n          a = number(g);\n        } else {\n          a = r.alpha;\n        }\n        return new Color(r.rgb, a, 'rgba');\n      }\n      const rgb = [r, g, b].map(c => scaled(c, 255));\n      a = number(a);\n      return new Color(rgb, a, 'rgba');\n    } catch (e) {\n    },\n    hsl: function (h, s, l) {\n      let a = 1\n      if (h instanceof Expression) {\n        const val = h.value\n        h = val[0]\n        s = val[1]\n        l = val[2]\n        if (l instanceof Operation) {\n          const op = l\n          l = op.operands[0]\n          a = op.operands[1]\n        }\n      }\n      const color = colorFunctions.hsla(h, s, l, a);\n      if (color) {\n        color.value = 'hsl';\n        return color;\n      }\n    },\n    hsla: function (h, s, l, a) {\n      try {\n        if (h instanceof Color) {\n          if (s) {\n            a = number(s);\n          } else {\n            a = h.alpha;\n          }\n          return new Color(h.rgb, a, 'hsla');\n        }\n        let m1;\n        let m2;\n        function hue(h) {\n          h = h < 0 ? h + 1 : (h > 1 ? h - 1 : h);\n          if (h * 6 < 1) {\n            return m1 + (m2 - m1) * h * 6;\n          } else if (h * 2 < 1) {\n            return m2;\n          } else if (h * 3 < 2) {\n            return m1 + (m2 - m1) * (2 / 3 - h) * 6;\n          } else {\n            return m1;\n          }\n        }\n        h = (number(h) % 360) / 360;\n        s = clamp(number(s));\n        l = clamp(number(l));\n        a = clamp(number(a));\n        m2 = 1 <= 0.5 ? 1 * (s + 1) : 1 + s - 1 * s;\n        m1 = 1 * 2 - m2;\n        const rgb = [\n          hue(h + 1 / 3) * 255,\n          hue(h) * 255,\n          hue(h - 1 / 3) * 255\n        ];\n        a = number(a);\n        return new Color(rgb, a, 'hsla');\n      } catch (e) {\n    },\n    hsv: function (h, s, v) {\n      return colorFunctions.hsva(h, s, v, 1.0);\n    },\n    hsva: function (h, s, v, a) {\n      h = ((number(h) % 360) / 360) * 360;\n      s = number(s);\n      v = number(v);\n      a = number(a);\n      let i;\n      let f;\n      i = Math.floor((h / 60) % 6);\n      f = (h / 60) - i;\n      const vs = [v,\n        v * (1 - s),\n        v * (1 - f * s),\n
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    v * (1 - (1 - f) * s)];\n    const perm = [[0, 3, 1],\n        [2, 0, 1],\n        [1, 0, 3],\n        [1, 2, 0],\n        [3, 1, 0],\n        [0, 1, 2]];\n    return colorFunctions.rgb(vs[perm[i][0]] * 255,\n        vs[perm[i][1]] * 255,\n        vs[perm[i][2]] * 255,\n        a);\n    },\n\n    hue: function (color) {\n        return new Dimension(toHSL(color).h);\n    },\n    saturation: function (color) {\n        return new Dimension(toHSL(color).s * 100, '%');\n    },\n    lightness: function (color) {\n        return new Dimension(toHSL(color).l * 100, '%');\n    },\n    hsvhue: function (color) {\n        return new Dimension(toHSV(color).h);\n    },\n    hsvsaturation: function (color) {\n        return new Dimension(toHSV(color).s * 100, '%');\n    },\n    hsvvalue: function (color) {\n        return new Dimension(toHSV(color).v * 100, '%');\n    },\n    red: function (color) {\n        return new Dimension(color.rgb[0]);\n    },\n    green: function (color) {\n        return new Dimension(color.rgb[1]);\n    },\n    blue: function (color) {\n        return new Dimension(color.rgb[2]);\n    },\n    alpha: function (color) {\n        return new Dimension(toHSL(color).a);\n    },\n    luma: function (color) {\n        return new Dimension(color.luma() * color.alpha * 100, '%');\n    },\n    luminance: function (color) {\n        const luminance =\n            (0.2126 * color.rgb[0] / 255) +\n            (0.7152 * color.rgb[1] / 255) +\n            (0.0722 * color.rgb[2] / 255);\n        return new Dimension(luminance * color.alpha * 100, '%');\n    },\n    saturate: function (color, amount, method) {\n        // filter: saturate(3.2);\n        // should be kept as is, so check for color\n        if (!color.rgb) {\n            return null;\n        }\n        const hsl = toHSL(color);\n        if (typeof method !== 'undefined' && method.value === 'relative') {\n            hsl.s += hsl.s * amount.value / 100;\n        } else {\n            hsl.s += amount.value / 100;\n        }\n        hsl.s = clamp(hsl.s);\n        return hsla(color, hsl);\n    },\n    desaturate: function (color, amount, method) {\n        const hsl = toHSL(color);\n        if (typeof method !== 'undefined' && method.value === 'relative') {\n            hsl.s -= hsl.s * amount.value / 100;\n        } else {\n            hsl.s -= amount.value / 100;\n        }\n        hsl.s = clamp(hsl.s);\n        return hsla(color, hsl);\n    },\n    lighten: function (color, amount, method) {\n        const hsl = toHSL(color);\n        if (typeof method !== 'undefined' && method.value === 'relative') {\n            hsl.l += hsl.l * amount.value / 100;\n        } else {\n            hsl.l += amount.value / 100;\n        }\n        hsl.l = clamp(hsl.l);\n        return hsla(color, hsl);\n    },\n    darken: function (color, amount, method) {\n        const hsl = toHSL(color);\n        if (typeof method !== 'undefined' && method.value === 'relative') {\n            hsl.l -= hsl.l * amount.value / 100;\n        } else {\n            hsl.l -= amount.value / 100;\n        }\n        hsl.l = clamp(hsl.l);\n        return hsla(color, hsl);\n    },\n    fadein: function (color, amount, method) {\n        const hsl = toHSL(color);\n        if (typeof method !== 'undefined' && method.value === 'relative') {\n            hsl.a += hsl.a * amount.value / 100;\n        } else {\n            hsl.a += amount.value / 100;\n        }\n        hsl.a = clamp(hsl.a);\n        return hsla(color, hsl);\n    },\n    fadeout: function (color, amount, method) {\n        const hsl = toHSL(color);\n        if (typeof method !== 'undefined' && method.value === 'relative') {\n            hsl.a -= hsl.a * amount.value / 100;\n        } else {\n            hsl.a -= amount.value / 100;\n        }\n        hsl.a = clamp(hsl.a);\n        return hsla(color, hsl);\n    },\n    fade: function (color, amount) {\n        const hsl = toHSL(color);\n        hsl.a = amount.value / 100;\n        hsl.a = clamp(hsl.a);\n        return hsla(color, hsl);\n    },\n    spin: function (color, amount) {\n        const hsl = toHSL(color);\n        const hue = (hsl.h + amount.value) % 360;\n        hsl.h = hue < 0 ? 360 + hue : hue;\n        return hsla(color, hsl);\n    },\n    //\n    // Copyright (c) 2006-2009 Hampton Catlin, Natalie Weizenbaum, and Chris Eppstein\n    // http://sass-lang.com\n    //\n    mix: function (color1, color2, weight) {\n        if (!weight) {\n            weight = new Dimension(50);\n        }\n        const p = weight.value / 100.0;\n        const w = p * 2 - 1;\n        const a = toHSL(color1).a - toHSL(color2).a;\n        const w1 = (((w * a === -1) ? w : (w + a) / (1 + w * a)) + 1) / 2.0;\n        const w2 = 1 - w1;\n        const rgb = [color1.rgb[0] * w1 + color2.rgb[0] * w2,\n            color1.rgb[1] * w1 + color2.rgb[1] * w2,\n            color1.rgb[2] * w1 + color2.rgb[2] * w2];\n        const alpha = color1.alpha * p + color2.alpha * (1 - p);\n        return new Color(rgb, alpha);\n    },\n    greyscale: function (color) {\n        return colorFunctions.desaturate(color, new Dimension(100));\n    },\n    contrast: function (color, dark, light, threshold) {\n        // filter: contrast(3.2);\n        // should be kept as is, so check for color\n        if (!color.rgb) {\n            return null;\n        }\n        if (typeof light === 'undefined') {\n            light = colorFunctions.rgb(255, 255, 255, 1.0);\n        }\n    }

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}\n    if (typeof dark === 'undefined') {\n        dark = colorFunctions.rgb(0, 0, 1.0);\n    }\n    // Figure out which is actually light and dark:\n    if (dark.luma() > light.luma()) {\n        const t = light;\n        light = dark;\n        dark = t;\n    }\n    if (typeof threshold === 'undefined') {\n        threshold = 0.43;\n    } else {\n        threshold = number(threshold);\n    }\n    if (color.luma() < threshold) {\n        return light;\n    } else {\n        return dark;\n    }\n},\n // Changes made in 2.7.0 - Reverted in 3.0.0\n // contrast: function (color, color1, color2, threshold) {\n // // Return which of `color1` and `color2` has the greatest contrast with `color`\n // // according to the standard WCAG contrast ratio calculation.\n // // http://www.w3.org/TR/WCAG20/#contrast-ratiodef\n // // The threshold param is no longer used, in line with SASS.\n // // filter: contrast(3.2);\n // // should be kept as is, so check for color\n // // if (!color.rgb) {\n // //     return null;\n // // }\n // // if (typeof color1 === 'undefined') {\n // //     color1 = colorFunctions.rgb(0, 0, 0, 1.0);\n // // }\n // // if (typeof color2 === 'undefined') {\n // //     color2 = colorFunctions.rgb(255, 255, 255, 1.0);\n // // }\n // // var contrast1, contrast2;\n // // var luma = color.luma();\n // // var luma1 = color1.luma();\n // // var luma2 = color2.luma();\n // // // Calculate contrast ratios for each color\n // // if (luma > luma1) {\n // //     contrast1 = (luma + 0.05) / (luma1 + 0.05);\n // // } else {\n // //     contrast1 = (luma1 + 0.05) / (luma + 0.05);\n // // }\n // // if (luma > luma2) {\n // //     contrast2 = (luma + 0.05) / (luma2 + 0.05);\n // // } else {\n // //     contrast2 = (luma2 + 0.05) / (luma + 0.05);\n // // }\n // // if (contrast1 > contrast2) {\n // //     return color1;\n // // } else {\n // //     return color2;\n // // }\n // // },\n argb: function (color) {\n    return new Anonymous(color.toARGB());\n },\n color: function(c) {\n    if ((c instanceof Quoted) && (/^[A-Fa-f0-9]{8}|[A-Fa-f0-9]{6}|[A-Fa-f0-9]{3,4}$/.test(c.value))) {\n        const val = c.value.slice(1);\n        return new Color(val, undefined, `#${val}`);\n    }\n    if ((c instanceof Color) || (c = Color.fromKeyword(c.value))) {\n        c.value = undefined;\n        return c;\n    }\n    throw {\n        type: 'Argument',\n        message: 'argument must be a color keyword or 3|4|6|8 digit hex e.g. #FFF'\n    };\n },\n tint: function(color, amount) {\n    return colorFunctions.mix(colorFunctions.rgb(255, 255, 255), color, amount);\n },\n shade: function(color, amount) {\n    return colorFunctions.mix(colorFunctions.rgb(0, 0, 0), color, amount);\n }\n};\n\nexport default colorFunctions;\n", "import Color from './tree/color';\n\n// Color Blending\n\nref:\nhttp://www.w3.org/TR/compositing-1\n\nfunction colorBlend(mode, color1, color2) {\n    const ab = color1.alpha;\n    // result\n    let // backdrop\n        cb;\n    const as = color2.alpha;\n    let // source\n        cs;\n    let ar;\n    let cr;\n    const r = [];\n    ar = as + ab * (1 - as);\n    for (let i = 0; i < 3; i++) {\n        cb = color1.rgb[i] / 255;\n        cs = color2.rgb[i] / 255;\n        cr = mode(cb, cs);\n        if (ar) {\n            cr = (as * cs + ab * (cb - as * (cb + cs - cr))) / ar;\n        }\n        r[i] = cr * 255;\n    }\n    return new Color(r, ar);\n}\n\nconst colorBlendModeFunctions = {\n    multiply: function(cb, cs) {\n        return cb * cs;\n    },\n    screen: function(cb, cs) {\n        return cb + cs - cb * cs;\n    },\n    overlay: function(cb, cs) {\n        cb *= 2;\n        return (cb <= 1) ? colorBlendModeFunctions.multiply(cb, cs) : colorBlendModeFunctions.screen(cb - 1, cs);\n    },\n    softlight: function(cb, cs) {\n        let d = 1;\n        let e = cb;\n        if (cs > 0.5) {\n            e = 1;\n            d = (cb > 0.25) ? Math.sqrt(cb) : ((16 * cb - 12) * cb + 4) * cb;\n        }\n        return cb - (1 - 2 * cs) * e * (d - cb);\n    },\n    hardlight: function(cb, cs) {\n        return colorBlendModeFunctions.overlay(cs, cb);\n    },\n    difference: function(cb, cs) {\n        return Math.abs(cb - cs);\n    },\n    exclusion: function(cb, cs) {\n        return cb + cs - 2 * cb * cs;\n    }\n},\n\n// non-w3c functions:\n    average: function(cb, cs) {\n        return (cb + cs) / 2;\n    },\n    negation: function(cb, cs) {\n        return 1 - Math.abs(cb + cs - 1);\n    }\n};\n\nfor (const f in colorBlendModeFunctions) {\n    if (colorBlendModeFunctions.hasOwnProperty(f)) {\n        colorBlend[f] = colorBlend.bind(null, colorBlendModeFunctions[f]);\n    }\n}\n\nexport default colorBlend;\n", "import Comment from './tree/comment';\nimport Node from './tree/node';\nimport Dimension from './tree/dimension';\nimport Declaration from './tree/declaration';\nimport Expression from './tree/expression';\nimport Ruleset from './tree/ruleset';\nimport Selector from './tree/selector';\nimport Element from './tree/element';\nimport Quote from './tree/quoted';\nimport Value from './tree/value';\n\nconst getItemFromNode = node => {\n    // handle non-array values as an array of length 1\n    // return 'undefined' if index is invalid\n    const items = Array.isArray(node.value) ?\n
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node.value : Array(node);\n\n return items;\n};\n\nexport default {\n  _SELF: function(n) {\n    return n;\n  },\n  '~': function(...expr) {\n    if (expr.length === 1) {\n      return expr[0];\n    }\n    return new Value(expr);\n  },\n  extract: function(values, index) {\n    // (1-based index)\n    index = index.value - 1;\n    return getItemsFromNode(values)[index];\n  },\n  length: function(values) {\n    return new Dimension(getItemsFromNode(values).length);\n  },\n  /**\n   * Creates a Less list of incremental values.\n   * Modeled after Lodash's range function, also exists natively in PHP\n   * @param {Dimension} [start=1]\n   * @param {Dimension} end - e.g. 10 or 10px - unit is added to output\n   * @param {Dimension} [step=1]\n   */\n  range: function(start, end, step) {\n    let from;\n    let to;\n    let stepValue = 1;\n    const list = [];\n\n    if (end) {\n      to = end;\n      from = start.value;\n      if (step) {\n        stepValue = step.value;\n      }\n    }\n    else {\n      from = 1;\n      to = start;\n    }\n\n    for (let i = from; i <= to.value; i += stepValue) {\n      list.push(new Dimension(i, to.unit));\n    }\n\n    return new Expression(list);\n  },\n  each: function(list, rs) {\n    const rules = [];\n    let newRules;\n    let iterator;\n\n    const tryEval = val => {\n      if (val instanceof Node) {\n        return val.eval(this.context);\n      }\n      return val;\n    };\n\n    if (list.value && !(list instanceof Quote)) {\n      if (Array.isArray(list.value)) {\n        iterator = list.value.map(tryEval);\n      } else {\n        iterator = [tryEval(list.value)];\n      } else if (list.ruleset) {\n        iterator = tryEval(list.ruleset).rules;\n      } else if (list.rules) {\n        iterator = list.rules.map(tryEval);\n      } else if (Array.isArray(list)) {\n        iterator = list.map(tryEval);\n      } else {\n        iterator = [tryEval(list)];\n      }\n\n      let valueName = '@value';\n      let keyName = '@key';\n      let indexName = '@index';\n\n      if (rs.params) {\n        valueName = rs.params[0] && rs.params[0].name;\n        keyName = rs.params[1] && rs.params[1].name;\n        indexName = rs.params[2] && rs.params[2].name;\n        rs = rs.rules;\n      } else {\n        rs = rs.ruleset;\n      }\n\n      for (let i = 0; i < iterator.length; i++) {\n        let key;\n        let value;\n        const item = iterator[i];\n\n        if (item instanceof Declaration) {\n          key = typeof item.name === 'string' ? item.name : item.name[0].value;\n          value = item.value;\n        } else {\n          key = new Dimension(i + 1);\n          value = item;\n        }\n\n        if (item instanceof Comment) {\n          continue;\n        }\n\n        newRules = rs.rules.slice(0);\n\n        if (valueName) {\n          newRules.push(new Declaration(valueName, value, false, false, this.index, this.currentFileInfo));\n        }\n\n        if (indexName) {\n          newRules.push(new Declaration(indexName, new Dimension(i + 1), false, false, this.index, this.currentFileInfo));\n        }\n\n        if (keyName) {\n          newRules.push(new Declaration(keyName, key, false, false, this.index, this.currentFileInfo));\n        }\n\n        rules.push(new Ruleset([ new(Selector)([ new Element("\\", '&') ]), newRules, rs.strictImports, rs.visibilityInfo() ]));\n      }\n    }\n\n    return new Ruleset([ new(Selector)([ new Element("\\", '&') ]), rules, rs.strictImports, rs.visibilityInfo() ])\n      .eval(this.context);\n  };\n};\n\n", "import Dimension from './tree/dimension';\n\nconst MathHelper = (fn, unit, n) => {\n  if (!(n instanceof Dimension)) {\n    throw { type: 'Argument', message: 'argument must be a number' };\n  }\n  if (unit == null) {\n    unit = n.unit;\n  } else {\n    n = n.unify();\n  }\n  return new Dimension(fn(parseFloat(n.value)), unit);\n};\n\nexport default MathHelper;\n\n", "import mathHelper from './math-helper.js';\n\nconst mathFunctions = {\n  // name, unit\n  ceil: null,\n  floor: null,\n  sqrt: null,\n  abs: null,\n  tan: "",\n  sin: "",\n  cos: "",\n  atan: 'rad',\n  asin: 'rad',\n  acos: 'rad'\n};\n\nfor (const f in mathFunctions) {\n  if (mathFunctions.hasOwnProperty(f)) {\n    mathFunctions[f] = mathHelper.bind(null, Math[f], mathFunctions[f]);\n  }\n}\n\nmathFunctions.round = (n, f) => {\n  const fraction = typeof f === 'undefined' ? 0 : f.value;\n  return mathHelper(num => num.toFixed(fraction), null, n);\n};\n\nexport default mathFunctions;\n\n", "import Dimension from './tree/dimension';\n\nimport Anonymous from './tree/anonymous';\n\nimport mathHelper from './math-helper.js';\n\nconst minMax = function (isMin, args) {\n  args = Array.prototype.slice.call(args);\n  switch (args.length) {\n    case 0: throw { type: 'Argument', message:

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'one or more arguments required' };
}
let i; // key is the unit.toString() for unified Dimension values,
let j;
let current;
let currentUnified;
let referenceUnified;
let unit;
let unitStatic;
let unitClone;
const // elems only contains original argument values.
order = [];
const values = {}; // value is the
index into the order array.
for (i = 0; i < args.length;
i++) {
current = args[i];
if (!(current instanceof Dimension)) {
if (Array.isArray(args[i].value)) {
Array.prototype.push.apply(args, Array.prototype.slice.call(args[i].value));
}
continue;
}
currentUnified = current.unit.toString() === "" && unitClone !== undefined ? new
Dimension(current.value, unitClone).unify() : current.unify();
unit = currentUnified.unit.toString() === "" &&
unitStatic !== undefined ? unitStatic : currentUnified.unit.toString();
unitStatic = unit !== "" && unitStatic
=== undefined || unit !== "" && order[0].unify().unit.toString() === "" ? unit : unitStatic;
unitClone = unit !== ""
&& unitClone === undefined ? current.unit.toString() : unitClone;
j = values[""] !== undefined && unit !== ""
&& unit === unitStatic ? values[""] : values[unit];
if (j === undefined) {
if (unitStatic !== undefined
&& unit !== unitStatic)
{
throw { type: 'Argument', message: 'incompatible types' };
}
values[unit] =
order.length;
order.push(current);
continue;
}
referenceUnified =
order[j].unit.toString() === "" && unitClone !== undefined ? new Dimension(order[j].value, unitClone).unify() :
order[j].unify();
if (isMin && currentUnified.value < referenceUnified.value || !isMin &&
currentUnified.value > referenceUnified.value) {
order[j] = current;
}
}
if (order.length === 1)
{
return order[0];
}
args = order.map(function (a) { return a.toCSS(this.context);
}).join(this.context.compress ? ', ' : ', ');
return new Anonymous(`${isMin ? 'min' :
'max'}(${args})`);
};
export default {
min: function(...args) {
try {
return minMax(true,
args);
} catch (e) {}
},
max: function(...args) {
try {
return minMax(false, args);
} catch (e) {}
},
convert: function (val, unit) {
return
val.convertTo(unit.value);
},
pi: function () {
return new Dimension(Math.PI);
},
mod:
function(a, b) {
return new Dimension(a.value % b.value, a.unit);
},
pow: function(x, y) {
if
(typeof x === 'number' && typeof y === 'number') {
x = new Dimension(x);
y = new
Dimension(y);
} else if (!(x instanceof Dimension) || !(y instanceof Dimension)) {
throw { type:
'Argument', message: 'arguments must be numbers' };
}
return new Dimension(Math.pow(x.value,
y.value), x.unit);
},
percentage: function (n) {
const result = mathHelper(num => num * 100, '%',
n);
return result;
};
},
"import Quoted from './tree/quoted';
import Anonymous from
'./tree/anonymous';
import JavaScript from './tree/javascript';
export default
{
e: function (str) {
return new Quoted(``, str instanceof JavaScript ? str.evaluated : str.value, true);
},
escape: function (str) {
return new Anonymous(
encodeURIComponent(str.value).replace(/=/g,
'%3D').replace(/:/g, '%3A').replace(/#/g, '%23').replace(/;/g, '%3B')
.replace(/^/g, '%28').replace(/$/g,
'%29'));
},
replace: function (string, pattern, replacement, flags) {
let result = string.value;
replacement = (replacement.type === 'Quoted') ?
replacement.value : replacement.toCSS();
result =
result.replace(new RegExp(pattern.value, flags ? flags.value : ''), replacement);
return new
Quoted(string.quote || "", result, string.escaped);
},
'%': function (string /* arg, arg, ... */) {
const args =
Array.prototype.slice.call(arguments, 1);
let result = string.value;
for (let i = 0; i < args.length; i++)
{
/* jshint loopfunc:true
*/
result = result.replace(/%[sda]/i, token => {
const value = ((args[i].type === 'Quoted') &&
token.match(/s/i)) ? args[i].value : args[i].toCSS();
return token.match(/[A-Z]/) ?
encodeURIComponent(value) : value;
});
}
result = result.replace(/%g/g, '%');
return
new Quoted(string.quote || "", result, string.escaped);
};
},
"import Keyword from './tree/keyword';
import DetachedRuleset from './tree/detached-ruleset';
import Dimension from './tree/dimension';
import Color from
'./tree/color';
import Quoted from './tree/quoted';
import Anonymous from './tree/anonymous';
import URL
from './tree/url';
import Operation from './tree/operation';
const isa = (n, Type) => (n instanceof Type) ?
Keyword.True : Keyword.False;
const isunit = (n, unit) => {
if (unit === undefined) {
throw { type:

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    ${filePath} because file not found`);\n        return fallback(this, filePathNode || mimetypeNode);\n    }\n    let
buf = fileSync.contents);\n    if (useBase64 && !environment.encodeBase64) {\n        return fallback(this,
filePathNode);\n    }\n    buf = useBase64 ? environment.encodeBase64(buf) :
encodeURIComponent(buf);\n    const uri = `data:${mimetype},${buf}${fragment}`;\n    return new
URL(new Quoted(`"${uri}"`, uri, false, this.index, this.currentFileInfo), this.index, this.currentFileInfo);\n
});\n};\n", "import Dimension from './tree/dimension';\nimport Color from './tree/color';\nimport Expression from
 './tree/expression';\nimport Quoted from './tree/quoted';\nimport URL from './tree/url';\n\nexport default
environment => {\n    return { 'svg-gradient': function(direction) {\n        let stops;\n        let gradientDirectionSvg;\n
        let gradientType = 'linear';\n        let rectangleDimension = 'x="0" y="0" width="1"
height="1";\n        const renderEnv = { compress: false};\n        let returner;\n        const directionValue =
direction.toCSS(renderEnv);\n        let i;\n        let color;\n        let position;\n        let positionValue;\n        let
alpha;\n        function throwArgumentDescriptor() {\n            throw { type: 'Argument',\n                message: 'svg-
gradient expects direction, start_color [start_position], [color position],...,' +\n                'end_color
[end_position] or direction, color list' }\n        }\n        if (arguments.length == 2) {\n            if
(arguments[1].value.length < 2) {\n                throwArgumentDescriptor();\n            }\n            stops =
arguments[1].value;\n        } else if (arguments.length < 3) {\n            throwArgumentDescriptor();\n        } else {\n
            stops = Array.prototype.slice.call(arguments, 1);\n        }\n        switch (directionValue) {\n            case 'to
bottom':\n                gradientDirectionSvg = 'x1="0%" y1="0%" x2="0%" y2="100%";\n                break;\n            case 'to
right':\n                gradientDirectionSvg = 'x1="0%" y1="0%" x2="100%" y2="0%";\n                break;\n            case 'to bottom right':\n                gradientDirectionSvg = 'x1="0%" y1="0%" x2="100%" y2="100%";\n                break;\n            case 'to top right':\n                gradientDirectionSvg = 'x1="0%" y1="100%" x2="100%"
y2="0%";\n                break;\n            case 'ellipse':\n            case 'ellipse at center':\n                gradientType =
'radial';\n                gradientDirectionSvg = 'cx="50%" cy="50%" r="75%";\n                rectangleDimension =
'x="-50" y="-50" width="101" height="101";\n                break;\n            default:\n                throw { type:
'Argument', message: 'svg-gradient direction must be \\to bottom\\, \\to right\\,' +\n                '\\to bottom
right\\, \\to top right\\ or \\ellipse at center\\' }\n        }\n        returner = `<svg
xmlns="http://www.w3.org/2000/svg" viewBox="0 0 1 1">${gradientType}Gradient id="g"
${gradientDirectionSvg}>`\n        for (i = 0; i < stops.length; i += 1) {\n            if (stops[i] instanceof Expression)
{\n                color = stops[i].value[0];\n                position = stops[i].value[1];\n            } else {\n                color =
stops[i];\n                position = undefined;\n            }\n            if (!(color instanceof Color) || (!(i === 0 || i + 1 ===
stops.length) && position === undefined) && !(position instanceof Dimension))) {\n                throwArgumentDescriptor();\n            }\n            positionValue = position ? position.toCSS(renderEnv) : i === 0 ?
'0%' : '100%';\n            alpha = color.alpha;\n            returner += `<stop offset="${positionValue}" stop-
color="${color.toRGB()}"${alpha < 1 ? ` stop-opacity="${alpha}"` :
""}>`\n        }\n        returner += `</${gradientType}Gradient><rect ${rectangleDimension} fill="url(#g)"
/></svg>`\n        returner = encodeURIComponent(returner);\n        returner =
`data:image/svg+xml,${returner}`;\n        return new URL(new Quoted(`"${returner}"`, returner, false, this.index,
this.currentFileInfo), this.index, this.currentFileInfo);\n    };\n};\n", "import contexts from './contexts';\nimport
visitor from './visitors';\nimport tree from './tree';\n\nexport default function(root, options) {\n    options = options ||
{};\n    let evaldRoot;\n    let variables = options.variables;\n    const evalEnv = new contexts.Eval(options);\n    //\n    // Allows setting variables with a hash, so:\n    //\n    // ` color: new tree.Color('#f01) ` will become:\n    //\n    // new tree.Declaration('@color',\n    // new tree.Value([\n    // new tree.Expression([\n    // new
tree.Color('#f01')\n    // ])\n    // ])\n    // ])\n    //\n    if (typeof variables === 'object' && !Array.isArray(variables)) {\n        variables =
Object.keys(variables).map(function (k) {\n            let value = variables[k];\n            if (!(value instanceof
tree.Value)) {\n                if (!(value instanceof tree.Expression)) {\n                    value = new
tree.Expression([value]);\n                }\n                value = new tree.Value([value]);\n            }\n            return new

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tree.Declaration(`@${k}`, value, false, null, 0);\n    });\n    evalEnv.frames = [new tree.Ruleset(null,\n    variables)];\n    }\n\n    const visitors = [\n        new visitor.JoinSelectorVisitor(),\n        new\n        visitor.MarkVisibleSelectorsVisitor(true),\n        new visitor.ExtendVisitor(),\n        new\n        visitor.ToCSSVisitor({compress: Boolean(options.compress)})\n    ];\n\n    const preEvalVisitors = [];\n    let v;\n\n    let visitorIterator;\n\n    /**\n     * first() / get() allows visitors to be added while visiting\n     * \n     * @todo\n     * Add scoping for visitors just like functions for @plugin; right now they're global\n     */\n    if\n    (options.pluginManager) {\n        visitorIterator = options.pluginManager.visitor();\n        for (var i = 0; i < 2; i++)\n        {\n            visitorIterator.first();\n            while ((v = visitorIterator.get())) {\n                if (v.isPreEvalVisitor) {\n                    if (i === 0 || preEvalVisitors.indexOf(v) === -1) {\n                        preEvalVisitors.push(v);\n                    }\n                }\n                else {\n                    if (i === 0 || visitors.indexOf(v) === -1) {\n                        if (v.isPreVisitor) {\n                            visitors.unshift(v);\n                        }\n                        else {\n                            visitors.push(v);\n                        }\n                    }\n                }\n            }\n        }\n    }\n\n    evaldRoot = root.eval(evalEnv);\n\n    for (var i = 0; i < visitors.length; i++) {\n        visitors[i].run(evaldRoot);\n    }\n\n    // Run any remaining visitors\n    added after eval pass\n    if (options.pluginManager) {\n        visitorIterator.first();\n        while ((v =\n        visitorIterator.get())) {\n            if (visitors.indexOf(v) === -1 && preEvalVisitors.indexOf(v) === -1) {\n                v.run(evaldRoot);\n            }\n        }\n    }\n\n    return evaldRoot;\n};\n\n"/**\n * Plugin Manager\n */\n\nclass\nPluginManager {\n    constructor(less) {\n        this.less = less;\n        this.visitors = [];\n        this.preProcessors =\n        [];\n        this.postProcessors = [];\n        this.installedPlugins = [];\n        this.fileManagers = [];\n        this.iterator = -\n        1;\n        this.pluginCache = {};\n        this.Loader = new less.PluginLoader(less);\n    }\n\n    /**\n     * Adds all the\n     * plugins in the array\n     * @param {Array} plugins\n     */\n    addPlugins(plugins) {\n        if (plugins) {\n            for (let i = 0; i < plugins.length; i++) {\n                this.addPlugin(plugins[i]);\n            }\n        }\n    }\n\n    /**\n     * @param plugin\n     * @param {String} filename\n     */\n    addPlugin(plugin, filename, functionRegistry)\n    {\n        this.installedPlugins.push(plugin);\n        if (filename) {\n            this.pluginCache[filename] = plugin;\n        }\n        if (plugin.install) {\n            plugin.install(this.less, this, functionRegistry ||\n            this.less.functions.functionRegistry);\n        }\n    }\n\n    /**\n     * @param filename\n     */\n    get(filename)\n    {\n        return this.pluginCache[filename];\n    }\n\n    /**\n     * Adds a visitor. The visitor object has options on\n     * itself to determine\n     * when it should run.\n     * @param visitor\n     */\n    addVisitor(visitor) {\n        this.visitors.push(visitor);\n    }\n\n    /**\n     * Adds a pre processor object\n     * @param {object} preProcessor\n     * @param {number} priority\n     * - guidelines 1 = before import, 1000 = import, 2000 = after import\n     */\n    addPreProcessor(preProcessor,\n    priority) {\n        let indexToInsertAt;\n        for (indexToInsertAt = 0; indexToInsertAt < this.preProcessors.length;\n        indexToInsertAt++) {\n            if (this.preProcessors[indexToInsertAt].priority >= priority) {\n                break;\n            }\n        }\n        this.preProcessors.splice(indexToInsertAt, 0, {preProcessor, priority});\n    }\n\n    /**\n     * Adds a post processor object\n     * @param {object} postProcessor\n     * @param {number} priority - guidelines 1\n     * = before compression, 1000 = compression, 2000 = after compression\n     */\n    addPostProcessor(postProcessor,\n    priority) {\n        let indexToInsertAt;\n        for (indexToInsertAt = 0; indexToInsertAt < this.postProcessors.length;\n        indexToInsertAt++) {\n            if (this.postProcessors[indexToInsertAt].priority >= priority) {\n                break;\n            }\n        }\n        this.postProcessors.splice(indexToInsertAt, 0, {postProcessor, priority});\n    }\n\n    /**\n     * @param\n     * manager\n     */\n    addFileManager(manager) {\n        this.fileManagers.push(manager);\n    }\n\n    /**\n     * @returns {Array}\n     * @private\n     */\n    getPreProcessors() {\n        const preProcessors = [];\n        for (let i\n        = 0; i < this.preProcessors.length; i++) {\n            preProcessors.push(this.preProcessors[i].preProcessor);\n        }\n        return preProcessors;\n    }\n\n    /**\n     * @returns {Array}\n     * @private\n     */\n    getPostProcessors() {\n        const postProcessors = [];\n        for (let i = 0; i < this.postProcessors.length; i++) {\n            postProcessors.push(this.postProcessors[i].postProcessor);\n        }\n        return postProcessors;\n    }\n\n    /**\n     * @returns {Array}\n     * @private\n     */\n    getVisitors() {\n        return this.visitors;\n    }\n\n    visitor()\n    {\n
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const self = this;\n    return {\n        first: function() {\n            self.iterator = -1;\n            return\nself.visitors[self.iterator];\n        },\n        get: function() {\n            self.iterator += 1;\n            return\nself.visitors[self.iterator];\n        }\n    };\n\n    /**\n     * @returns {Array}\n     * @private\n     */\n    getFileManagers() {\n        return this.fileManagers;\n    }\n\n    let pm;\n    const PluginManagerFactory =\nfunction(less, newFactory) {\n    if (newFactory || !pm) {\n        pm = new PluginManager(less);\n    }\n    return\npm;\n};\n\nexport default PluginManagerFactory;\n", "use strict";\n\nfunction parseNodeVersion(version) {\n    var match = version.match(/^(\\d{1,2})\\.\\.\\.\\d{1,2})(?:-([0-9A-Za-z-]+))?(?:\\+(\\d{1,2})\\.\\.\\.\\d{1,2})?$/); //\neslint-disable-line max-len\n    if (!match) {\n        throw new Error('Unable to parse: ' + version);\n    }\n\n    var res = {\n        major:\nparseInt(match[1], 10),\n        minor: parseInt(match[2], 10),\n        patch: parseInt(match[3], 10),\n        pre: match[4] || "",\n        build: match[5] || "",\n    };\n\n    return res;\n}\n\nmodule.exports = parseNodeVersion;\n", /* global window,\nXMLHttpRequest */\nimport AbstractFileManager from './less/environment/abstract-file-manager.js';\n\nlet\noptions;\nlet logger;\nlet fileCache = {};\n\n// TODOS - move log somewhere. pathDiff and doing something\nsimilar in node. use pathDiff in the other browser file for the initial load\nconst FileManager = function()\n{\n    FileManager.prototype = Object.assign(new AbstractFileManager(), {\n        alwaysMakePathsAbsolute() {\n            return true;\n        },\n        join(basePath, laterPath) {\n            if (!basePath) {\n                return laterPath;\n            }\n            return this.extractUrlParts(laterPath, basePath).path;\n        },\n        doXHR(url, type, callback, errback) {\n            const\nxhr = new XMLHttpRequest();\n            const async = options.isFileProtocol\n? options.fileAsync : true;\n            if (typeof xhr.overrideMimeType === 'function') {\n                xhr.overrideMimeType('text/css');\n            }\n            logger.debug('XHR: Getting '$url$');\n            xhr.open('GET', url,\nasync);\n            xhr.setRequestHeader('Accept', type || 'text/x-less, text/css; q=0.9, */*; q=0.5');\n            xhr.send(null);\n            function handleResponse(xhr, callback, errback) {\n                if (xhr.status >= 200 &&\nxhr.status < 300) {\n                    callback(xhr.responseText,\n                        xhr.getResponseHeader('Last-Modified'));\n                } else if (typeof errback === 'function') {\n                    errback(xhr.status, url);\n                }\n            }\n            if\n(options.isFileProtocol && !options.fileAsync) {\n                if (xhr.status === 0 || (xhr.status >= 200 && xhr.status <\n300)) {\n                    callback(xhr.responseText);\n                } else {\n                    errback(xhr.status, url);\n                }\n            } else if (async) {\n                xhr.onreadystatechange = () => {\n                    if (xhr.readyState === 4) {\n                        handleResponse(xhr,\ncallback, errback);\n                    }\n                }; \n            } else {\n                handleResponse(xhr, callback, errback);\n            }\n        },\n        supports() {\n            return true;\n        },\n        clearFileCache() {\n            fileCache = {};\n        },\n        loadFile(filename, currentDirectory, options, environment) {\n            // TODO: Add prefix support like less-node?\n            // What about multiple paths?\n            if (currentDirectory && !this.isPathAbsolute(filename)) {\n                filename\n= currentDirectory + filename;\n            }\n            filename = options.ext ? this.tryAppendExtension(filename,\noptions.ext) : filename;\n            options = options || {};\n            // sheet may be set to the stylesheet for the initial\nload or a collection of properties including\n            // some context variables for imports\n            const hrefParts =\nthis.extractUrlParts(filename,\n                window.location.href);\n            const href = hrefParts.url;\n            const self = this;\n            return new\nPromise((resolve, reject) => {\n                if (options.useFileCache && fileCache[href]) {\n                    try {\n                        const lessText = fileCache[href];\n                        return resolve({ contents: lessText, filename: href, webInfo: {\nlastModified: new Date() });\n                    } catch (e) {\n                        return reject({ filename: href, message: `Error\nloading file ${href} error was ${e.message}` });\n                    }\n                }\n                self.doXHR(href, options.mime,\nfunction doXHRCallback(data, lastModified) {\n                    // per file cache\n                    fileCache[href] = data;\n                }\n                // Use remote copy (re-parse)\n                resolve({ contents: data, filename: href, webInfo: { lastModified\n}});\n            }, function doXHRError(status, url) {\n                reject({\n                    type: 'File', message: `'$url$' wasn't found (${status})`, href });\n            });\n        });\n\n    }\n\n}\n\nexport default\n(opts, log) => {\n    options = opts;\n    logger = log;\n    return FileManager;\n}\n", "import Environment from\n './environment/environment';\nimport data from './data';\nimport tree from './tree';\nimport AbstractFileManager\nfrom './environment/abstract-file-manager';\nimport AbstractPluginLoader from './environment/abstract-plugin-

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loader';\nimport visitors from './visitors';\nimport Parser from './parser/parser';\nimport functions from
 './functions';\nimport contexts from './contexts';\nimport LessError from './less-error';\nimport transformTree from
 './transform-tree';\nimport * as utils from './utils';\nimport PluginManager from './plugin-manager';\nimport logger
 from './logger';\nimport SourceMapOutput from './source-map-output';\nimport SourceMapBuilder from './source-
map-builder';\nimport ParseTree from './parse-tree';\nimport ImportManager from './import-manager';\nimport
 Parse from './parse';\nimport Render from './render';\nimport { version } from '../package.json';\nimport
 parseVersion from 'parse-node-version';\n\nexport default function(environment, fileManagers) {\n  let
 sourceMapOutput, sourceMapBuilder, parseTree, importManager;\n\n  environment = new
 Environment(environment, fileManagers);\n  sourceMapOutput = SourceMapOutput(environment);\n
sourceMapBuilder = SourceMapBuilder(sourceMapOutput, environment);\n  parseTree =
 ParseTree(sourceMapBuilder);\n  importManager = ImportManager(environment);\n\n  const render =
 Render(environment, parseTree, importManager);\n  const parse = Parse(environment, parseTree,
importManager);\n\n  const v = parseVersion(`v${version}`);\n  const initial = {\n    version: [v.major, v.minor,
v.patch],\n    data,\n    tree,\n    Environment,\n    AbstractFileManager,\n    AbstractPluginLoader,\n
environment,\n    visitors,\n    Parser,\n
    functions: functions(environment),\n    contexts,\n    SourceMapOutput: sourceMapOutput,\n
SourceMapBuilder: sourceMapBuilder,\n    ParseTree: parseTree,\n    ImportManager: importManager,\n
render,\n    parse,\n    LessError,\n    transformTree,\n    utils,\n    PluginManager,\n    logger\n
};\n\n  // Create a public API\n\n  const ctor = function(t) {\n    return function() {\n      const obj =
Object.create(t.prototype);\n      t.apply(obj, Array.prototype.slice.call(arguments, 0));\n      return obj;\n
};\n  }; \n  let t;\n  const api = Object.create(initial);\n  for (const n in initial.tree) {\n    /* eslint guard-for-in:
0 */\n    t = initial.tree[n];\n    if (typeof t === 'function') {\n      api[n.toLowerCase()] = ctor(t);\n    } \n
else {\n      api[n] = Object.create(null);\n      for (const o in t) {\n        /* eslint
guard-for-in: 0 */\n        api[n][o.toLowerCase()] = ctor(t[o]);\n      }\n    }\n  }\n\n  /**\n  * Some of
the functions assume a `this` context of the API object,\n  * which causes it to fail when wrapped for ES6
imports.\n  * \n  * An assumed `this` should be removed in the future.\n  */\n  initial.parse =
initial.parse.bind(api);\n  initial.render = initial.render.bind(api);\n\n  return api;\n};\n\n", "import LessError from
 './less-error';\nimport transformTree from './transform-tree';\nimport logger from './logger';\n\nexport default
function(SourceMapBuilder) {\n  class ParseTree {\n    constructor(root, imports) {\n      this.root = root;\n
      this.imports = imports;\n    }\n\n    toCSS(options) {\n      let evaldRoot;\n      const result = {};\n
      let sourceMapBuilder;\n      try {\n        evaldRoot = transformTree(this.root, options);\n      } catch
(e) {\n        throw new LessError(e, this.imports);\n      }\n\n      try {\n        const compress =
Boolean(options.compress);\n        if (compress) {\n          logger.warn("The compress option has been
deprecated. ' + \n          'We recommend you use a dedicated css minifier, for instance see less-plugin-clean-
css.);\n        }\n        const toCSSTOptions = {\n          compress,\n          dumpLineNumbers:
options.dumpLineNumbers,\n          strictUnits: Boolean(options.strictUnits),\n          numPrecision:
8};\n        if (options.sourceMap) {\n          sourceMapBuilder = new
SourceMapBuilder(options.sourceMap);\n          result.css = sourceMapBuilder.toCSS(evaldRoot,
toCSSTOptions, this.imports);\n        } else {\n          result.css = evaldRoot.toCSS(toCSSTOptions);\n
        }\n      } catch (e) {\n        throw new LessError(e, this.imports);\n      }\n\n      if (options.pluginManager) {\n        const
postProcessors = options.pluginManager.getPostProcessors();\n        for (let i = 0; i < postProcessors.length;
i++) {\n          result.css = postProcessors[i].process(result.css, { sourceMap: sourceMapBuilder, options,
imports: this.imports });\n        }\n        if (options.sourceMap) {\n          result.map =
sourceMapBuilder.getExternalSourceMap();\n        }\n        result.imports = [];\n        for (const file in
this.imports.files) {\n          if (this.imports.files.hasOwnProperty(file) && file !== this.imports.rootFilename)
{\n            result.imports.push(file);\n          }\n        }\n        return result;\n      }\n    }\n  }\n\n  return

```

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ParseTree;\n};\n", "export default function (SourceMapOutput, environment) {\n  class SourceMapBuilder {\n    constructor(options)\n      {\n        this.options = options;\n      }\n      toCSS(rootNode, options, imports) {\n        const\n        sourceMapOutput = new SourceMapOutput(\n          {\n            contentsIgnoredCharsMap:\n            imports.contentsIgnoredChars,\n            rootNode,\n            contentsMap: imports.contents,\n            sourceMapFilename: this.options.sourceMapFilename,\n            sourceMapURL:\n            this.options.sourceMapURL,\n            outputFilename: this.options.sourceMapOutputFilename,\n            sourceMapBasepath: this.options.sourceMapBasepath,\n            sourceMapRootpath:\n            this.options.sourceMapRootpath,\n            outputSourceFiles: this.options.outputSourceFiles,\n            sourceMapGenerator: this.options.sourceMapGenerator,\n            sourceMapFileInline:\n            this.options.sourceMapFileInline,\n            disableSourcemapAnnotation:\n            this.options.disableSourcemapAnnotation\n          });\n        const css = sourceMapOutput.toCSS(options);\n        this.sourceMap =\n        sourceMapOutput.sourceMap;\n        this.sourceMapURL = sourceMapOutput.sourceMapURL;\n        if\n        (this.options.sourceMapInputFilename) {\n          this.sourceMapInputFilename =\n          sourceMapOutput.normalizeFilename(this.options.sourceMapInputFilename);\n        }\n        if\n        (this.options.sourceMapBasepath !== undefined && this.sourceMapURL !== undefined) {\n          this.sourceMapURL = sourceMapOutput.removeBasepath(this.sourceMapURL);\n        }\n        return css +\n        this.getCSSAppendage();\n      }\n      getCSSAppendage() {\n        let sourceMapURL =\n        this.sourceMapURL;\n        if (this.options.sourceMapFileInline) {\n          if (this.sourceMap === undefined)\n            {\n              return ";\n            }\n            sourceMapURL =\n            `data:application/json;base64,${environment.encodeBase64(this.sourceMap)}`;\n          }\n          if (this.options.disableSourcemapAnnotation) {\n            return ";\n          }\n          if\n          (sourceMapURL) {\n            return `/*# sourceMappingURL=${sourceMapURL} */`;\n          }\n          return\n          ";\n        }\n        getExternalSourceMap() {\n          return this.sourceMap;\n        }\n        setExternalSourceMap(sourceMap) {\n          this.sourceMap = sourceMap;\n        }\n        isInline() {\n          return this.options.sourceMapFileInline;\n        }\n        getSourceMapURL() {\n          return\n          this.sourceMapURL;\n        }\n        getOutputFilename() {\n          return\n          this.options.sourceMapOutputFilename;\n        }\n        getInputFilename() {\n          return\n          this.sourceMapInputFilename;\n        }\n      }\n    }\n    return SourceMapBuilder;\n  };\n  "export default function\n  (environment) {\n    class SourceMapOutput {\n      constructor(options) {\n        this._css\n        = [];\n        this._rootNode = options.rootNode;\n        this._contentsMap = options.contentsMap;\n        this._contentsIgnoredCharsMap = options.contentsIgnoredCharsMap;\n        if (options.sourceMapFilename) {\n          this._sourceMapFilename = options.sourceMapFilename.replace(/\\\\\\\\g, '/');\n        }\n        this._outputFilename = options.outputFilename;\n        this.sourceMapURL = options.sourceMapURL;\n        if\n        (options.sourceMapBasepath) {\n          this._sourceMapBasepath = options.sourceMapBasepath.replace(/\\\\\\\\g,\n          '/');\n        }\n        if (options.sourceMapRootpath) {\n          this._sourceMapRootpath =\n          options.sourceMapRootpath.replace(/\\\\\\\\g, '/');\n        }\n        if\n        (this._sourceMapRootpath.charAt(this._sourceMapRootpath.length - 1) !== '/') {\n          this._sourceMapRootpath += '/';\n        }\n        } else {\n          this._sourceMapRootpath = ";\n        }\n        this._outputSourceFiles = options.outputSourceFiles;\n        this._sourceMapGeneratorConstructor\n        = environment.getSourceMapGenerator();\n        this._lineNumber = 0;\n        this._column = 0;\n      }\n      removeBasepath(path) {\n        if (this._sourceMapBasepath && path.indexOf(this._sourceMapBasepath) ===\n        0) {\n          path = path.substring(this._sourceMapBasepath.length);\n        }\n        if (path.charAt(0) === '\\\\' ||\n        path.charAt(0) === '/') {\n          path = path.substring(1);\n        }\n        }\n        }\n        return path;\n      }\n      normalizeFilename(filename) {\n        filename = filename.replace(/\\\\\\\\g, '/');\n        filename =\n        this.removeBasepath(filename);\n        return (this._sourceMapRootpath || "") + filename;\n      }\n      add(chunk, fileInfo, index, mapLines) {\n        // ignore adding empty strings\n        if (!chunk) {\n

```



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(less or .js if the path has no extension)\n      * @param currentFileInfo - the current file info (used for instance to
work out relative paths)\n      * @param importOptions - import options\n      * @param callback - callback for
when it is imported\n      *\/\n      push(path, tryAppendExtension, currentFileInfo, importOptions, callback) {\n
\n
    const importManager = this, pluginLoader = this.context.pluginManager.Loader;\n\n
this.queue.push(path);\n\n      const fileParsedFunc = function (e, root, fullPath) {\n\n
importManager.queue.splice(importManager.queue.indexOf(path), 1); // Remove the path from the queue\n\n
    const importedEqualsRoot = fullPath === importManager.rootFilename;\n\n      if (importOptions.optional
&& e) {\n\n          callback(null, {rules:[]}, false, null);\n\n          logger.info(`The file ${fullPath} was
skipped because it was not found and the import was marked optional.`);\n\n          }\n      else {\n
\n
// Inline imports aren't cached here.\n\n          // If we start to cache them, please make sure they won't conflict
with non-inline imports of the\n\n          // same name as they used to do before this comment and the condition
below have been added.\n\n          if (!importManager.files[fullPath]
\n
&& !importOptions.inline) {\n\n              importManager.files[fullPath] = { root, options: importOptions }; \n\n
          }\n\n          if (e && !importManager.error) { importManager.error = e; }\n\n          callback(e, root,
importedEqualsRoot, fullPath);\n\n          }\n      }; \n\n      const newFileInfo = {\n\n          rewriteUrls:
this.context.rewriteUrls,\n\n          entryPath: currentFileInfo.entryPath,\n\n          rootpath:
currentFileInfo.rootpath,\n\n          rootFilename: currentFileInfo.rootFilename\n\n      }; \n\n      const
fileManager = environment.getFileManager(path, currentFileInfo.currentDirectory, this.context, environment);\n\n
    if (!fileManager) {\n\n        fileParsedFunc({ message: `Could not find a file-manager for ${path}` });\n\n
    return;\n\n    }\n\n    const loadFileCallback = function(loadedFile) {\n\n        let plugin;\n\n        const resolvedFilename = loadedFile.filename;\n\n        const contents =
loadedFile.contents.replace(/^\uFEFF/, "");\n\n        // Pass on an updated rootpath if path of imported file is
relative and file\n\n        // is in a (sub|sup) directory\n\n        //\n\n        // Examples:\n\n        // - If path
of imported file is 'module/nav/nav.less' and rootpath is 'less',\n\n        // then rootpath should become
'less/module/nav/'\n\n        // - If path of imported file is './mixins.less' and rootpath is 'less',\n\n        // then
rootpath should become 'less./'\n\n        newFileInfo.currentDirectory =
fileManager.getPath(resolvedFilename);\n\n        if (newFileInfo.rewriteUrls) {\n\n
newFileInfo.rootpath = fileManager.join(\n\n            (importManager.context.rootpath || ""),\n\n
fileManager.pathDiff(newFileInfo.currentDirectory,
\n
newFileInfo.entryPath));\n\n        if (!fileManager.isPathAbsolute(newFileInfo.rootpath) &&
fileManager.alwaysMakePathsAbsolute()) {\n\n            newFileInfo.rootpath =
fileManager.join(newFileInfo.entryPath, newFileInfo.rootpath);\n\n        }\n\n        }\n\n
newFileInfo.filename = resolvedFilename;\n\n        const newEnv = new
contexts.Parse(importManager.context);\n\n        newEnv.processImports = false;\n\n
importManager.contents[resolvedFilename] = contents;\n\n        if (currentFileInfo.reference ||
importOptions.reference) {\n\n            newFileInfo.reference = true;\n\n        }\n\n        if
(importOptions.isPlugin) {\n\n            plugin = pluginLoader.evalPlugin(contents, newEnv, importManager,
importOptions.pluginArgs, newFileInfo);\n\n            if (plugin instanceof LessError) {\n\n
fileParsedFunc(plugin, null,
\n
resolvedFilename);\n\n            }\n\n        else {\n\n            fileParsedFunc(null, plugin,
resolvedFilename);\n\n        }\n\n        } else if (importOptions.inline) {\n\n            fileParsedFunc(null,
contents, resolvedFilename);\n\n        } else {\n\n            // import (multiple) parse trees apparently get altered
and can't be cached.\n\n            // TODO: investigate why this is\n\n            if
(importManager.files[resolvedFilename])\n\n                &&
\n
!importManager.files[resolvedFilename].options.multiple\n\n                && !importOptions.multiple) {\n\n
\n
fileParsedFunc(null, importManager.files[resolvedFilename].root, resolvedFilename);\n\n            }\n\n
        else {\n\n            new Parser(newEnv, importManager, newFileInfo).parse(contents, function (e, root) {\n

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plugin.filename);\n                if (evalResult instanceof LessError) {\n                    return\n                }\n                callback(evalResult);\n            }\n        }\n        }\n        else {\n            pluginManager.addPlugin(plugin);\n        }\n    });\n    }\n    new Parser(context, imports, rootFileInfo)\n        .parse(input, function (e,\nroot) {\n    if (e) { return callback(e); }\n        callback(null, root, imports, options);\n    },\noptions);\n    }\n    });\n    return parse;\n};\n\n", "// TODO: Add tests for browser @plugin\n/*\n * Browser Plugin\n * Loader\n */\nconst PluginLoader = function(less) {\n    this.less = less;\n    // Should we shim this.require for\n    browser? Probably not?\n};\n\nPluginLoader.prototype = Object.assign(new AbstractPluginLoader(), {\nloadPlugin(filename, basePath, context, environment, fileManager) {\n    return new Promise((fulfill,\nreject) => {\n        fileManager.loadFile(filename, basePath, context, environment)\n    }\n    .then(fulfill).catch(reject);\n    });\n    });\n\nexport default PluginLoader;\n\n", "import * as utils from\n './utils';\nimport browser from './browser';\n\nexport default (window, less, options) => {\n    function\nerrorHTML(e, rootHref) {\n        const id = `less-error-message:${utils.extractId(rootHref)}`;\n        const\n        template = `<li><label>{line}</label><pre class="{class}">{content}</pre></li>`;\n        const elem =\n        window.document.createElement('div');\n        let timer;\n        let content;\n        const errors = [];\n        const\n        filename = e.filename || rootHref;\n        const filenameNoPath = filename.match(/(^[^\\|]+(\\|?.*)?)$/)[1];\n        elem.id\n        = id;\n        elem.className = 'less-error-message';\n        content = `<h3>${e.type || 'Syntax'}Error:\n        ${e.message || 'There is an error in your .less file'}` +\n        `<h3><p>in\n        <a href="{filename}">${filenameNoPath}</a>`;\n        const errorline = (e, i, classname) => {\n            if\n            (e.extract[i] !== undefined) {\n                errors.push(template.replace(/\\{line\\}/, (parseInt(e.line, 10) || 0) + (i -\n            1))\n                .replace(/\\{class\\}/, classname)\n                .replace(/\\{content\\}/, e.extract[i]));\n            }\n        };\n        if (e.line) {\n            errorline(e, 0, "");\n            errorline(e, 1, 'line');\n            errorline(e, 2, "");\n        }\n        content += `on line ${e.line}, column ${e.column + 1}:<p><ul>${errors.join("")}</ul>`;\n        if (e.stack\n        && (e.extract || options.logLevel >= 4)) {\n            content += `<br>Stack Trace<br\n        />${e.stack.split("\\n").slice(1).join("<br>")}`;\n        }\n        elem.innerHTML = content;\n        // CSS for error\n        messages\n        browser.createCSS(window.document, [\n            '.less-error-message ul, .less-error-message li {\n\n                'list-style-type: none;',\n                'margin-right: 15px;',\n                'padding: 4px 0;',\n                'margin: 0;',\n            },\n            '.less-error-message label {\n                'font-size: 12px;',\n                'margin-right: 15px;',\n                'padding:\n                4px 0;',\n                'color: #cc7777;',\n            },\n            '.less-error-message pre {\n                'color: #dd6666;',\n                'padding: 4px 0;',\n                'margin: 0;',\n                'display: inline-block;',\n            },\n            '.less-error-message\n            pre.line {\n                'color: #ff0000;',\n            },\n            '.less-error-message h3 {\n                'font-size: 20px;',\n                'font-weight: bold;',\n                'padding: 15px 0 5px 0;',\n                'margin: 0;',\n            },\n            '.less-error-\n            message a {\n                'color: #10a',\n            },\n            '.less-error-message .error {\n                'color: red;',\n                'font-weight:\n                bold;',\n                'padding-bottom: 2px;',\n                'border-bottom: 1px dashed red;',\n            }\n        ].join("\\n"), {\n        title: 'error-message' });\n        elem.style.cssText = [\n            'font-family: Arial, sans-serif',\n            'border: 1px\n            solid #e00',\n            'background-color: #eee',\n            'border-radius: 5px',\n            '-webkit-border-radius: 5px',\n            '-moz-border-radius: 5px',\n            'color: #e00',\n            'padding: 15px',\n            'margin-bottom: 15px'\n        ].join(';');\n        if (options.env === 'development') {\n            timer = setInterval(() => {\n                const\n                document = window.document;\n                const body = document.body;\n                if (body) {\n                    if\n                    (document.getElementById(id)) {\n                        body.replaceChild(elem, document.getElementById(id));\n                    }\n                    else {\n                        body.insertBefore(elem, body.firstChild);\n                    }\n                }\n                clearInterval(timer);\n            }, 10);\n        }\n    }\n\nfunction\nremoveErrorHTML(path) {\n    const node = window.document.getElementById(`less-error-\n        message:${utils.extractId(path)}`);\n    if (node) {\n        node.parentNode.removeChild(node);\n    }\n}\n\nfunction\nremoveErrorConsole(path) {\n    // no action\n}\n\nfunction\nremoveError(path) {\n    if

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(!options.errorReporting || options.errorReporting === 'html') {\n      removeErrorHTML(path);\n    } else if
(options.errorReporting === 'console') {\n      removeErrorConsole(path);\n    } else if (typeof
options.errorReporting === 'function') {\n      options.errorReporting('remove', path);\n    }\n\n
function errorConsole(e, rootHref) {\n    const template = '{line} {content}';\n    const filename = e.filename ||
rootHref;\n    const errors = [];\n    let content
= `${e.type || 'Syntax'}Error: ${e.message || 'There is an error in your .less file'} in ${filename}`;\n    const
errorline = (e, i, classname) => {\n      if (e.extract[i] !== undefined) {\n
errors.push(template.replace(/\{line\}/, (parseInt(e.line, 10) || 0) + (i - 1))\n          .replace(/\{class\}/,
classname)\n          .replace(/\{content\}/, e.extract[i]));\n      }\n    }; \n    if (e.line) {\n
errorline(e, 0, "");\n    errorline(e, 1, 'line');\n    errorline(e, 2, "");\n    content += ` on line ${e.line},
column ${e.column + 1}`;\n    errors.join("\n");\n    } \n    if (e.stack && (e.extract || options.logLevel >= 4))
{\n    content += `\nStack Trace\n${e.stack}`;\n    } \n    less.logger.error(content);\n  }\n\n function
error(e, rootHref) {\n    if (!options.errorReporting || options.errorReporting === 'html') {\n      errorHTML(e,
rootHref);\n    } else if (options.errorReporting === 'console') {\n      errorConsole(e, rootHref);\n    } else
if (typeof options.errorReporting === 'function') {\n      options.errorReporting('add', e, rootHref);\n    }\n
}\n\n return {\n    add: error,\n    remove: removeError\n  }; \n}; \n", "/*\n * Kicks off less and compiles any
stylesheets\n * used in the browser distributed version of less\n * to kick-start less using the browser api\n */\n\n
global window, document *\n\nimport defaultOptions from './less/default-options';\nimport addDefaultOptions
from './add-default-options';\nimport root from './index';\n\nconst options = defaultOptions();\n\nif (window.less) {\n
for (const key in window.less) {\n    if (window.less.hasOwnProperty(key)) {\n      options[key] =
window.less[key];\n    }\n  }\n}\n\naddDefaultOptions(window, options);\n\noptions.plugins = options.plugins ||
[];\n\nif (window.LESS_PLUGINS) {\n    options.plugins
= options.plugins.concat(window.LESS_PLUGINS);\n}\n\nconst less = root(window, options);\n\nexport default
less;\n\nwindow.less = less;\n\nlet css;\nlet head;\nlet style;\n\n// Always restore page visibility\n\nfunction
resolveOrReject(data) {\n    if (data.filename) {\n      console.warn(data);\n    }\n    if (!options.async) {\n
head.removeChild(style);\n    }\n}\n\nif (options.onReady) {\n    if (!watch/.test(window.location.hash)) {\n
less.watch();\n    }\n    // Simulate synchronous stylesheet loading by hiding page rendering\n    if (!options.async)
{\n      css = 'body { display: none !important }';\n      head = document.head ||
document.getElementsByTagName('head')[0];\n      style = document.createElement('style');\n      style.type =
'text/css';\n      if (style.styleSheet) {\n        style.styleSheet.cssText = css;\n      } else {\n
style.appendChild(document.createTextNode(css));\n      }\n      head.appendChild(style);\n    }\n    less.registerStylesheetsImmediately();\n    less.pageLoadFinished = less.refresh(less.env ===
'development').then(resolveOrReject, resolveOrReject);\n}\n\n", "/* Export a new default each time\n\nexport default
function() {\n    return {\n      /* Inline Javascript - @plugin still allowed *\n      javascriptEnabled: false,\n
/* Outputs a makefile import dependency list to stdout. *\n      depends: false,\n      /* (DEPRECATED)
Compress using less built-in compression. \n      * This does an okay job but does not utilise all the tricks of \n
* dedicated css compression. *\n      compress: false,\n      /* Runs the less parser and just reports errors without
any output. *\n      lint: false,\n      /* Sets available include paths.\n      * If the file in an @import rule does
not exist at that exact location, \n      * less will look for it at the location(s) passed to this option. \n      * You
might use this for instance
to specify a path to a library which \n      * you want to be referenced simply and relatively in the less files. *\n
paths: [],\n      /* color output in the terminal *\n      color: true,\n      /* The strictImports controls whether
the compiler will allow an @import inside of either \n      * @media blocks or (a later addition) other selector
blocks.\n      * See: https://github.com/less/less.js/issues/656 *\n      strictImports: false,\n      /* Allow
Imports from Insecure HTTPS Hosts *\n      insecure: false,\n      /* Allows you to add a path to every
generated import and url in your css. \n      * This does not affect less import statements that are processed, just
ones \n      * that are left in the output css. *\n      rootpath: "",\n      /* By default URLs are kept as-is, so if you
import a file in a sub-directory \n      * that references an image, exactly the same URL will be output in the css. \n

```

\* This option

```
allows you to re-write URL's in imported files so that the \n      * URL is always relative to the base imported file
*/\n      rewriteUrls: false,\n\n      /* How to process math \n      * 0 always      - eagerly try to solve all
operations\n      * 1 parens-division - require parens for division \"^/\" \n      * 2 parens | strict - require parens
for all operations\n      * 3 strict-legacy - legacy strict behavior (super-strict)\n      */\n      math: 1,\n\n      /*
Without this option, less attempts to guess at the output unit when it does maths. */\n      strictUnits: false,\n\n      /* Effectively the declaration is put at the top of your base Less file, \n      * meaning it can be used but it also can
be overridden if this variable \n      * is defined in the file. */\n      globalVars: null,\n\n      /* As opposed to the
global variable option, this puts the declaration at the\n      * end of your base file, meaning
it will override anything defined in your Less file. */\n      modifyVars: null,\n\n      /* This option allows you to
specify a argument to go on to every URL. */\n      urlArgs: "\n      }\n};","import {addDataAttr} from
'./utils';\n\nimport browser from './browser';\n\nexport default (window, options) => {\n\n  // use options from the
current script tag data attributes\n  addDataAttr(options, browser.currentScript(window));\n\n  if
(options.isFileProtocol === undefined) {\n    options.isFileProtocol = /^(file|(chrome|safari)(-
extension)?|resource|qrc|app):/.test(window.location.protocol);\n  }\n\n  // Load styles asynchronously (default:
false)\n  //\n  // This is set to `false` by default, so that the body\n  // doesn't start loading before the stylesheets
are parsed.\n  // Setting this to `true` can result in flickering.\n  //\n  options.async = options.async || false;\n\n  options.fileAsync = options.fileAsync || false;\n  // Interval between watch
polls\n  options.poll = options.poll || (options.isFileProtocol ? 1000 : 1500);\n\n  options.env = options.env ||
(window.location.hostname === '127.0.0.1' ||\n    window.location.hostname === '0.0.0.0' ||\n    window.location.hostname === 'localhost' ||\n    (window.location.port &&\n      window.location.port.length >
0) ||\n    options.isFileProtocol
      ? 'development'\n      : 'production');\n\n  const dumpLineNumbers
= !/dumpLineNumbers:(comments|mediaquery|all)/.exec(window.location.hash);\n  if (dumpLineNumbers) {\n    options.dumpLineNumbers = dumpLineNumbers[1];\n  }\n\n  if (options.useFileCache === undefined) {\n    options.useFileCache = true;\n  }\n\n  if (options.onReady === undefined) {\n    options.onReady = true;\n  }\n\n  if (options.relativeUrls) {\n    options.rewriteUrls = 'all';\n  }\n};\n\n"/\n\n// index.js\n\n// Should expose the
additional browser functions on to the less object\n\nimport
{addDataAttr} from './utils';\nimport lessRoot from './less';\nimport browser from './browser';\nimport FM from
'./file-manager';\nimport PluginLoader from './plugin-loader';\nimport LogListener from './log-listener';\nimport
ErrorReporting from './error-reporting';\nimport Cache from './cache';\nimport ImageSize from './image-
size';\n\nexport default (window, options) => {\n  const document = window.document;\n  const less =
lessRoot();\n\n  less.options = options;\n  const environment = less.environment;\n  const FileManager =
FM(options, less.logger);\n  const fileManager = new FileManager();\n\n  environment.addFileManager(fileManager);\n  less.FileManager = FileManager;\n  less.PluginLoader =
PluginLoader;\n\n  LogListener(less, options);\n  const errors = ErrorReporting(window, less, options);\n  const
cache = less.cache = options.cache || Cache(window, options, less.logger);\n  ImageSize(less.environment);\n\n  //
Setup user functions - Deprecate?\n\n  if (options.functions) {\n    less.functions.functionRegistry.addMultiple(options.functions);\n  }\n\n  const
typePattern = /^text\\(x)?less$/;\n\n  function clone(obj) {\n    const cloned = {};\n    for (const prop in obj)
{\n      if (obj.hasOwnProperty(prop)) {\n        cloned[prop] = obj[prop];\n      }\n    }\n    return
cloned;\n  }\n\n  // only really needed for phantom\n  function bind(func, thisArg) {\n    const curryArgs =
Array.prototype.slice.call(arguments, 2);\n    return function() {\n      const args =
curryArgs.concat(Array.prototype.slice.call(arguments, 0));\n      return func.apply(thisArg, args);\n    };\n  }\n\n  function loadStyles(modifyVars) {\n    const styles = document.getElementsByTagName('style');\n    let
style;\n\n    for (let i = 0; i < styles.length; i++) {\n      style = styles[i];\n      if
(style.type.match(typePattern)) {\n        const instanceOptions = clone(options);\n        instanceOptions.modifyVars = modifyVars;\n\n        const lessText = style.innerHTML || "";\n        instanceOptions.filename = document.location.href.replace(/#.*$/,
```



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");\n\n      /* jshint loopfunc:true */\n      // use closure to store current style\nless.render(lessText, instanceOptions,\n      bind((style, e, result) => {\n          if (e) {\n              errors.add(e, 'inline');\n          } else {\n              style.type = 'text/css';\n          }\n          if (style.styleSheet) {\n              style.styleSheet.cssText = result.css;\n          } else {\n              style.innerHTML = result.css;\n          }\n      }, null, style));\n\n\n    }\n\n  }\n\n  function\nloadStyleSheet(sheet, callback, reload, remaining, modifyVars) {\n    const instanceOptions = clone(options);\n    addDataAttr(instanceOptions, sheet);\n    instanceOptions.mime = sheet.type;\n    if (modifyVars) {\n        instanceOptions.modifyVars = modifyVars;\n    }\n    function loadInitialFileCallback(loadedFile) {\n        const data = loadedFile.contents;\n        const path = loadedFile.filename;\n        const webInfo =\nloadedFile.webInfo;\n        const newFileInfo = {\n            currentDirectory: fileManager.getPath(path),\n            filename: path,\n            rootFilename: path,\n            rewriteUrls: instanceOptions.rewriteUrls\n        };\n        newFileInfo.entryPath = newFileInfo.currentDirectory;\n        newFileInfo.rootpath =\ninstanceOptions.rootpath || newFileInfo.currentDirectory;\n        if (webInfo) {\n            webInfo.remaining =\nremaining;\n\n            const css = cache.getCSS(path, webInfo, instanceOptions.modifyVars);\n            if (!reload && css) {\n                webInfo.local = true;\n                callback(null, css, data, sheet, webInfo, path);\n                return;\n            }\n        }\n        // TODO add tests around how this behaves when reloading\nerrors.remove(path);\n        instanceOptions.rootFileInfo = newFileInfo;\n        less.render(data,\ninstanceOptions, (e, result) => {\n            if (e) {\n                e.href = path;\n                callback(e);\n            } else {\n                cache.setCSS(sheet.href, webInfo.lastModified, instanceOptions.modifyVars, result.css);\n                callback(null, result.css, data, sheet, webInfo, path);\n            }\n        });\n    }\n    fileManager.loadFile(sheet.href, null, instanceOptions, environment)\n        .then(loadedFile => {\n            loadInitialFileCallback(loadedFile);\n        }).catch(err => {\n            console.log(err);\n            callback(err);\n        });\n\n    function loadStyleSheets(callback, reload, modifyVars) {\n        for (let i = 0;\ni < less.sheets.length; i++) {\n            loadStyleSheet(less.sheets[i], callback, reload, less.sheets.length - (i + 1),\nmodifyVars);\n        }\n    }\n\n    function initRunningMode() {\n        if (less.env === 'development') {\n            less.watchTimer = setInterval(() => {\n                if (less.watchMode) {\n                    fileManager.clearFileCache();\n                    loadStyleSheets((e, css, _, sheet, webInfo) => {\n                        if (e)\n                        {\n                            errors.add(e, e.href || sheet.href);\n                        } else if (css) {\n                            browser.createCSS(window.document, css, sheet);\n                        }\n                    });\n                }\n            }, options.poll);\n        }\n    }\n\n    // Watch mode\n    // less.watch = function () {\n        if (!less.watchMode) {\n            less.env = 'development';\n            initRunningMode();\n        }\n        this.watchMode = true;\n        return true;\n    };\n\n    less.unwatch = function () {\n        clearInterval(less.watchTimer);\n        this.watchMode = false;\n        return false;\n    };\n\n    // Synchronously get all <link> tags with the 'rel' attribute set to\n    //\n    // \"stylesheet/less\".\n    // less.registerStylesheetsImmediately = () => {\n        const links =\ndocument.getElementsByTagName('link');\n        less.sheets = [];\n        for (let i = 0; i < links.length; i++) {\n            if (links[i].rel === 'stylesheet/less' || (links[i].rel.match(/stylesheet/) &&\n(links[i].type.match(typePattern)))) {\n                less.sheets.push(links[i]);\n            }\n        }\n    };\n\n    //\n    // Asynchronously get all <link> tags with\n    // the 'rel' attribute set to\n    // \"stylesheet/less\", returning a Promise.\n    // less.registerStylesheets = () => new\n    // Promise((resolve, reject) => {\n        less.registerStylesheetsImmediately();\n        resolve();\n    });\n\n    //\n    // With this function, it's possible to alter variables and re-render\n    // CSS without reloading less-files\n    //\n    //\n    // less.modifyVars = record => less.refresh(true, record, false);\n    // less.refresh = (reload, modifyVars,\nclearFileCache) => {\n        if ((reload || clearFileCache) && clearFileCache !== false) {\n            fileManager.clearFileCache();\n        }\n        return new Promise((resolve, reject) => {\n            let startTime;\n            let endTime;\n            let totalMilliseconds;\n            let remainingSheets;\n            startTime = endTime = new\nDate();\n            // Set counter for remaining unprocessed sheets\n            remainingSheets = less.sheets.length;\n\n

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    if (remainingSheets ===
0) {\n\n        endTime = new Date();\n        totalMilliseconds = endTime - startTime;\nless.logger.info('Less has finished and no sheets were loaded.');

```

```

{\n      imageSize(this, filePathNode);\n      return -1;\n    },\n    'image-height': function(filePathNode)
{\n      imageSize(this, filePathNode);\n      return -1;\n    }\n  };\n\nfunctionRegistry.addMultiple(imageFunctions);\n\n"],names":["extractId","href","replace","addDataAttr","option
s","tag","opt","dataset","hasOwnProperty","JSON","parse","_","document","styles","sheet","id","title","utils.extract
Id","oldStyleNode","getElementById","keepOldStyleNode","styleNode","createElement","setAttribute","media","st
yleSheet","appendChild","createTextNode","childNodes","length","firstChild","nodeValue","head","getElementsBy
TagName","nextEl","nextSibling","parentNode","insertBefore","removeChild","cssText","e","Error","window","scr
ipts","currentScript","error","msg","this","_fireEvent","warn","info","debug","addListener","listener","_listeners","p
ush","removeListener","i","splice","type","logFunction","externalEnvironment","fileManagers","requiredFunctions"
,"functions","concat","propName","environmentFunc","bind","Environment","filename","currentDirectory","enviro
nment","isSync","logger","pluginManager","getFileManagers","fileManager","aliceblue","antiquewhite","aqua","aq
uamarine","azure","beige","bisque","black","blanchedalmond","blue","blueviolet","brown","burlywood","cadetblue
","chartreuse","chocolate","coral","cornflowerblue","cornsilk","crimson","cyan","darkblue","darkcyan","darkgolden
rod","darkgray","darkgrey","darkgreen","darkkhaki","darkmagenta","darkolivegreen","darkorange","darkorchid","d
arkred","darksalmon","darkseagreen","darkslateblue","darkslategray","darkslategrey","darkturquoise","darkviolet","
deeppink","deepskyblue","dimgray","dimgrey","dodgerblue","firebrick","floralwhite","forestgreen","fuchsia","gains
boro","ghostwhite","gold","goldenrod","gray","grey","green","greenyellow","honeydew","hotpink","indianred","ind
igo","ivory","khaki","lavender","lavenderblush","lawngreen","lemonchiffon","lightblue","lightcoral","lightcyan","li
ghtgoldenrodyellow","lightgray","lightgrey","lightgreen","lightpink","lightsalmon","lightseagreen","lightskyblue","l
ightslategray","lightslategrey","lightsteelblue","lightyellow","lime","limegreen","linen","magenta","maroon","medi
umaquamarine","mediumblue","mediumorchid","mediumpurple","mediumseagreen","mediumslateblue","mediumsp
ringgreen","mediumturquoise","mediumvioletred","midnightblue","mintcream","mistyrose","moccasin","navajowhi
te","navy","oldlace","olive","olivedrab","orange","orangered","orchid","palegoldenrod","palegreen","paleturquoise"
,"palevioletred","papayawhip","peachpuff","peru","pink","plum","powderblue","purple","rebeccapurple","red","ros
ybrown","royalblue","saddlebrown","salmon","sandybrown","seagreen","seashell","sienna","silver","skyblue","slate
blue","slategray","slategrey","snow","springgreen","steelblue","tan","teal","thistle","tomato","turquoise","violet","w
heat","white","whitesmoke","yellow","yellowgreen","m","cm","mm","in","px","pt","pc","duration","s","ms","angle"
,"rad","Math","PI","deg","grad","turn","colors","unitConversions","parent","visibilityBlocks","undefined","nodeVi
sible","rootNode","parsed","Object","Node","fileInfo","getIndex","nodes","set","node","Array","isArray","forEach"
,"_index","_fileInfo","context","strs","genCSS","add","chunk","index","isEmpty","join","output","value","visitor","
visit","op","a","b","precision","numPrecision","Number","toFixed","compare","Color","rgb","originalForm","self","
match","map","c","parseInt","alpha","split","clamp","v","max","min","toHex","round","toString","prototype","assign"
,"luma","r","g","pow","toCSS","doNotCompress","color","colorFunction","compress","args","fround","indexOf"
,"toHSL","h","l","toRGB","splitcolor","operate","other","_operate","d","toHSV","toARGB","x","fromKeyword","ke
yword","key","toLowerCase","slice","Paren","eval","_noSpaceCombinators","
","|","Combinator","emptyOrWhitespace","trim","spaceOrEmpty","Element","combinator","isVariable","currentFile
Info","visibilityInfo","copyVisibilityInfo","setParent","accept","clone","firstSelector","charAt","ALWAYS","PARE
NS_DIVISION","PARENS","RewriteUrls","getType","payload","call","copy","target","constructor","getPrototype
Of","il","arguments","k","j","jl","__spreadArrays","getOwnPropertyNames","getOwnPropertySymbols","reduce","c
array","props","includes","newVal","originalObject","includeNonenumerable","propType","propertyIsEnumerable","
defineProperty","enumerable","writable","configurable","assignProp","nonenumerable","getLocation","inputStream"
,"n","line","column","copyArray","arr","obj","cloned","prop","defaults","obj1","obj2","newObj","_defaults","defa
ults_1","copyOptions","opts","strictMath","math","Constants.Math","relativeUrls","rewriteUrls","Constants.Rewrit
eUrls","flattenArray","result","length_1","anonymousFunc","LessError","fileContentMap","currentFilename","mess
age","stack","input","contents","loc","utils.getLocation","col","callLine","lines","found","func","Function","lineAdj
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tion","evaldCondition","getElements","mixinElements_","visitArray","createDerived","newSelector","mediaEmpty"
,"els","parseNode","err","imports","createEmptySelectors","el","sels","olen","len","mixinElements","shift","isJust

```

ParentSelector", "extend", "getIsOutput", "Value", "Keyword", "True", "False", "Anonymous", "mapLines", "rulesetLike", "allowRoot", "isRulesetLike", "Boolean", "MATH", "Declaration", "name", "important", "merge", "inline", "variable", "asComment", "ctx", "debugInfo", "lineNumber", "fileName", "asMediaQuery", "filenameWithProtocol", "test", "lineSeparator", "dumpLineNumbers", "lastRule", "prevMath", "evaldValue", "mathBypass", "evalName", "importantScope", "importantResult", "pop", "makeImportant", "Comment", "isLineComment", "getDebugInfo", "isSilent", "isCompressed", "contexts", "copyFromOriginal", "original", "destination", "propertiesToCopy", "parseCopyProperties", "Parse", "paths", "evalCopyProperties", "isPathRelative", "path", "isPathLocalRelative", "Eval", "frames", "enterCalc", "calcStack", "inCalc", "exitCalc", "inParenthesis", "parensStack", "outOfParenthesis", "mathOn", "isMathOn", "pathRequiresRewrite", "rewritePath", "rootpath", "newPath", "normalizePath", "segment", 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Found

in path(s):

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## 1.252 inetutils 1.4.1

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<one line to give the program's name and a brief idea of what it does.>  
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```

```
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(at your option) any later version.
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```
Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands

```
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```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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## 1.255 safestring 4.1.25

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```
/*
```

```
SafeString to Number conversion
```

```
Examples of SafeString to Number conversions and comparing these to the results from String methods
```

```
by Matthew Ford
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```
www.forward.com.au/pfod/ArduinoProgramming/SafeString/index.html
```

```
*/
```



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```

```
/*
```

```
SafeString Case changes  
Examples of how to change the case of a SafeString
```

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```

```
/*
```

```
SafeString constructors and assignments  
Examples of how to create SafeStrings and how to assign SafeStrings from other data types  
also see the SafeStringFromArray, SafeStringFromCharPtr and SafeStringFromCharPtrWithSize examples
```

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```

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```

```
/* SafeStringWithArraysOfCstrings.ino  
Example of using SafeString for working with char[][xx]
```

by Matthew Ford  
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fac1370/examples/SafeStringWithArraysOfCstrings/SafeStringWithArraysOfCstrings.ino

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SafeString startsWith(), startsWithIgnoreCase(), endsWithCharFrom() and endsWith()

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sfStream.ino

SafeStringStream Unit test  
Example of using SafeStringStream

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/\*

## Blink

Turns an led on for one second, then off for one second, repeatedly.

Most Arduinos have an on-board led you can control. On the UNO, MEGA and ZERO it is attached to digital pin 13, on MKR1000 on pin 6. led is set to the correct led pin independent of which board is used.

If you want to know what pin the on-board led is connected to on your Arduino model, check the Technical Specs of your board at:

<https://www.arduino.cc/en/Main/Products>

modified 8 May 2014

by Scott Fitzgerald

modified 2 Sep 2016

by Arturo Guadalupi

modified 8 Sep 2016

by Colby Newman

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<http://www.arduino.cc/en/Tutorial/Blink>

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SafeString replace()

Examples of SafeString replace for chars and strings

by Matthew Ford

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SafeStringReader\_Assign.ino

This example = to SafeStringReader

by Matthew Ford

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SafeString substring()

Examples of SafeString substring

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SafeSting length(), trim()

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SafeString.h static memory SafeString library modified by

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WString.h - String library for Wiring & Arduino  
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gz/PowerBroker2-SafeString-fac1370/src/SafeString.h  
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/\*  
SafeString from char\* with specified size constructor  
Examples of how to create SafeStrings from an existing pointer to a char[]  
also see the SafeString\_ConstructorAndDebugging, SafeStringFromArray and SafeStringFromCharPtr  
examples

by Matthew Ford  
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fac1370/examples/SafeString\_Tests/SafeStringFromCharPtrWithSize/SafeStringFromCharPtrWithSize.ino

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/\*

SafeStringReader\_flushInput.ino

This example flushes any initial input and also starts flushing if "flush" is found in the text stream

by Matthew Ford

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/\*

Appending to SafeStrings using the += operator and concat()

Examples of how to append different data types to SafeStrings

Also has examples of using hasError() method

by Matthew Ford

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fac1370/examples/SafeString\_Tests/SafeStringAssignmentAndConcatOperator/SafeStringAssignmentAndConcatOperator.ino

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SafeString charAt() and setCharAt()

Examples of how to get and set characters of a SafeString

by Matthew Ford

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Comparing SafeStrings

Examples of how to compare SafeStrings using the comparison operators

by Matthew Ford

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fac1370/examples/SafeString\_Tests/SafeStringComparisonOperators/SafeStringComparisonOperators.ino

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Tokenizing SafeStrings and converting to numbers

Examples of how to use the nextToken() and toLong() and toDouble() to parse a CSV line

by Matthew Ford

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OBD\_Processor.ino for SafeString V4.0.0+

Example of using SafeString to process Car OnBoardData

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SString indexOf() and lastIndexOf()

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/\*

SafeString removeFrom(), removeBefore(), remove(), removeLast(), keepLast()  
Examples of SafeString remove

by Matthew Ford  
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/\*

SafeString readUntil, non-blocking until delimiter found  
Example of how to use the non-blocking readUntil() method to parse a CSV line



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extensively modified from

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/\* SafeStringInClasses\_1.ino

Example of using SafeString for Class char[]s

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SafeString from char\* constructor

Examples of how to create SafeStrings from an existing pointer to a char[]

also see the SafeString\_ConstructorAndDebugging, SafeStringFromArray and

SafeStringFromCharPtrWithSize examples

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Prefixing to SafeStrings using the -= operator and prefix()

Examples of how to prefix different data types to SafeStrings

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```
/*
```

Tokenizing SafeStrings and converting to numbers  
Examples of how to use the stoken and toLong() and toDouble() to parse a CSV line

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```

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```

```
/*
```

Fixed 9 Formatting of double/float/long/ing

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```
*/
```

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```

```
/*
```

Test Errors for Assignment to SafeStrings using the = operator

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```
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```

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SafeString from char[] constructor

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SafeStringReader\_GPS.ino

This example reads GPS data from a SafeStringStream continuously using a SafeStringReader

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Appending to SafeStrings using print()/println()

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```

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## 1.260 gpt-fdisk 1.0.5

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The hypothetical commands

```
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## 1.261 setools 4.3.0

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## 1.262 errors 0.9.1

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# 1.263 python-engineio 3.13.2

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