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1.2 @types/async 2.0.49

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1.3 @types/graphql 0.12.6

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1.4 @types/zen-observable 0.5.4

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1.5 alphanum-sort-dart 0.1.1

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1.6 annotations 13.0

1.7 annotations 3.0.1

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1.8 antlr4-runtime 4.7.1

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1.14 apiguardian-api 1.0.0

1.15 apollo-cache 1.1.12

1.16 apollo-cache-inmemory 1.2.5

1.17 apollo-client 2.3.5

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1.18 apollo-link 1.2.2

1.19 apollo-link-dedup 1.0.9

1.20 apollo-link-error 1.1.0

1.21 apollo-link-http 1.5.4

1.22 apollo-link-http-common 0.2.4

1.23 apollo-utilities 1.0.16

1.24 archive 2.0.0

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1.25 async-dart 1.12.0

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1.26 bcprov-jdk15on 1.60

1.27 Bean Validation API 1.1.0.Final

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1.28 boost 1.69.0

1.28.1 Available under license :

```
[article Invalid copyright years
[quickbook 1.5]
[copyright 2010-2001 Timequake man]
]
/*
*
* Copyright (c) 2003 Dr John Maddock
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* Boost Software License, Version 1.0. (See accompanying file
* LICENSE_1_0.txt or copy at http://www.boost.org/LICENSE_1_0.txt)
*
*/
```

```
#include "licence_info.hpp"
#include "bcp_imp.hpp"
#include "fileview.hpp"
#include <fstream>
#include <iomanip>
#include <cstring>
```



```

#include <stdexcept>
#include <boost/lexical_cast.hpp>
#include <boost/filesystem/operations.hpp>
#include <boost/throw_exception.hpp>

//
// split_path is a small helper for outputting a path name,
// complete with a link to that path:
//
struct split_path
{
    const fs::path& root;
    const fs::path& file;
    split_path(const fs::path& r, const fs::path& f)
        : root(r), file(f){}
private:
    split_path& operator=(const split_path&);
};

std::ostream& operator << (std::ostream& os, const split_path& p)
{
    os << "<a href=\"" << (p.root / p.file).string() << "\">" << p.file.string() << "</a>";
    return os;
}

std::string make_link_target(const std::string& s)
{
    // convert an arbitrary string into something suitable
    // for an <a> name:
    std::string result;
    for(unsigned i = 0; i < s.size(); ++i)
    {
        result.append(1, static_cast<std::string::value_type>(std::isalnum(s[i]) ? s[i] : '_'));
    }
    return result;
}

void bcp_implementation::output_license_info()
{
    std::pair<const license_info*, int> licenses = get_licenses();

    std::map<int, license_data::const_iterator i, j;
    i = m_license_data.begin();
    j = m_license_data.end();

    std::ofstream os(m_dest_path.string().c_str());
    if(!os)

```



```

{
    std::string msg("Error opening ");
    msg += m_dest_path.string();
    msg += " for output.";
    std::runtime_error e(msg);
    boost::throw_exception(e);
}
os <<
    "<!DOCTYPE HTML PUBLIC \\"-//W3C//DTD HTML 4.0 Transitional//EN\>\n"
    "<html>\n"
    "<head>\n"
    "<title>Boost Licence Dependency Information";
if(m_module_list.size() == 1)
{
    os << " for " << *(m_module_list.begin());
}
os <<
    "</title>\n"
    "</head>\n"
    "<body>\n"
    "<H1>Boost Licence Dependency Information";
if(m_module_list.size() == 1)
{
    os << " for " << *(m_module_list.begin());
}
os <<
    "</H1>\n"
    "<H2>Contents</h2>\n"
    "<pre><a href=\"\#input\">Input Information</a>\n";
if(!m_bsl_summary_mode)
    os << "<a href=\"\#summary\">Licence Summary</a>\n";
os << "<a href=\"\#details\">Licence Details</a>\n";

while(i != j)
{
    // title:
    os << "  <A href=\"\#" << make_link_target(licenses.first[i->first].license_name)
        << "\">" << licenses.first[i->first].license_name << "</a>\n";
    ++i;
}

os << "<a href=\"\#files\">Files with no recognised license</a>\n"
    "<a href=\"\#authors\">Files with no recognised copyright holder</a>\n";
if(!m_bsl_summary_mode)
{
    os <<
        "Moving to the Boost Software License...\n"
        "  <a href=\"\#bsl-converted\">Files that can be automatically converted to the Boost Software License</a>\n"

```



```

" <a href=\"#to-bsl\">Files that can be manually converted to the Boost Software License</a>\n"
" <a href=\"#not-to-bsl\">Files that can <b>NOT</b> be moved to the Boost Software License</a>\n"
" <a href=\"#need-bsl-authors\">Authors we need to move to the Boost Software License</a>\n"
"<a href=\"#copyright\">Copyright Holder Information</a>\n";
}
os <<
"<a href=\"#depend\">File Dependency Information</a>\n"
"</pre>";

//
// input Information:
//
os << "<a name=\"input\"></a><h2>Input Information</h2>\n";
if(m_scan_mode)
    os << "<P>The following files were scanned for boost dependencies:<BR>";
else
    os << "<P>The following Boost modules were checked:<BR>";

std::list<std::string>::const_iterator si = m_module_list.begin();
std::list<std::string>::const_iterator sj = m_module_list.end();
while(si != sj)
{
    os << *si << "<BR>";
    ++si;
}
os << "</p><p>The Boost path was: <code>" << m_boost_path.string() << "</code></P>";
//
// extract the boost version number from the boost directory tree,
// not from this app (which may have been built from a previous
// version):
//
fileview version_file(m_boost_path / "boost/version.hpp");
static const boost::regex version_regex(
    "^[:blank:]*#[[:blank:]]*define[:blank:]+BOOST_VERSION[:blank:]+(\\d+)");
boost::cmatch what;
if(boost::regex_search(version_file.begin(), version_file.end(), what, version_regex))
{
    int version = boost::lexical_cast<int>(what.str(1));
    os << "<p>The Boost version is: " << version / 100000 << "." << version / 100 % 1000 << "." << version % 100
<< "</P>\n";
}

//
// output each license:
//
i = m_license_data.begin();
j = m_license_data.end();
if(!m_bsl_summary_mode)

```



```

{
    //
    // start with the summary:
    //
    os << "<a name=\"summary\"></a><h2>Licence Summary</h2>\n";
    while(i != j)
    {
        // title:
        os <<
            "<H3>" << licenses.first[i->first].license_name << "</H3>\n";
        // license text:
        os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
        // Copyright holders:
        os << "<P>This license is used by " << i->second.authors.size()
            << " authors and " << i->second.files.size()
            << " files <a href=\"#" << make_link_target(licenses.first[i->first].license_name) << "\">(see details)</a>";
        os << "</P></BLOCKQUOTE>\n";
        ++i;
    }
}
//
// and now the details:
//
i = m_license_data.begin();
j = m_license_data.end();
int license_index = 0;
os << "<a name=\"details\"></a><h2>Licence Details</h2>\n";
while(i != j)
{
    // title:
    os <<
        "<H3><A name=\"" << make_link_target(licenses.first[i->first].license_name)
        << "\"></a>" << licenses.first[i->first].license_name << "</H3>\n";
    // license text:
    os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
    if(!m_bsl_summary_mode || (license_index >= 3))
    {
        // Copyright holders:
        os << "<P>This license is used by the following " << i->second.authors.size() << " copyright
holders:</P>\n<BLOCKQUOTE><P>";
        std::set<std::string>::const_iterator x, y;
        x = i->second.authors.begin();
        y = i->second.authors.end();
        while(x != y)
        {
            os << *x << "<BR>\n";
            ++x;
        }
    }
}

```



```

os << "</P></BLOCKQUOTE>\n";
// Files using this license:
os << "<P>This license applies to the following " << i->second.files.size() << "
files:</P>\n<BLOCKQUOTE><P>";
std::set<fs::path, path_less>::const_iterator m, n;
m = i->second.files.begin();
n = i->second.files.end();
while(m != n)
{
    os << split_path(m_boost_path, *m) << "<br>\n";
    ++m;
}
os << "</P></BLOCKQUOTE>\n";
}
else
{
    os << "<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).</P>\n";
    os << "<P>This license applies to " << i->second.files.size() << " files (list omitted for brevity).</P>\n";
}
++license_index;
++i;
}
//
// Output list of files not found to be under license control:
//
os << "<h2><a name=\"files\"></a>Files With No Recognisable Licence</h2>\n"
    "<P>The following " << m_unknown_licenses.size() << " files had no recognisable license
information:</P><BLOCKQUOTE><P>\n";
std::set<fs::path, path_less>::const_iterator i2, j2;
i2 = m_unknown_licenses.begin();
j2 = m_unknown_licenses.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>\n";
    ++i2;
}
os << "</p></BLOCKQUOTE>";
//
// Output list of files with no found copyright holder:
//
os << "<h2><a name=\"authors\"></a>Files With No Recognisable Copyright Holder</h2>\n"
    "<P>The following " << m_unknown_authors.size() << " files had no recognisable copyright
holder:</P>\n<BLOCKQUOTE><P>";
i2 = m_unknown_authors.begin();
j2 = m_unknown_authors.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>\n";

```



```

    ++i2;
}
os << "</p></BLOCKQUOTE>";
if(!m_bsl_summary_mode)
{
    //
    // Output list of files that have been moved over to the Boost
    // Software License, along with enough information for human
    // verification.
    //
    os << "<h2><a name=\"bsl-converted\"></a>Files that can be automatically converted to the Boost Software
License</h2>\n"
        << "<P>The following " << m_converted_to_bsl.size() << " files can be automatically converted to the Boost
Software License, but require manual verification before they can be committed to CVS:</P>\n";
    if (!m_converted_to_bsl.empty())
    {
        typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
            ::const_iterator conv_iterator;
        conv_iterator i = m_converted_to_bsl.begin(),
            ie = m_converted_to_bsl.end();
        int file_num = 1;
        while (i != ie)
        {
            os << "<P>[" << file_num << "] File: <tt>" << split_path(m_boost_path, i->first)
                << "</tt><br>\n<table border=\"1\">\n  <tr>\n    <td><pre>"
                << i->second.first << "</pre></td>\n  <td><pre>"
                << i->second.second << "</pre></td>\n  </tr>\n</table>\n";
            ++i;
            ++file_num;
        }
    }
    //
    // Output list of files that could be moved over to the Boost Software License
    //
    os << "<h2><a name=\"to-bsl\"></a>Files that could be converted to the Boost Software License</h2>\n"
        << "<P>The following " << m_can_migrate_to_bsl.size() << " files could be manually converted to the Boost
Software License, but have not yet been:</P>\n<BLOCKQUOTE><P>";
    i2 = m_can_migrate_to_bsl.begin();
    j2 = m_can_migrate_to_bsl.end();
    while(i2 != j2)
    {
        os << split_path(m_boost_path, *i2) << "<br>\n";
        ++i2;
    }
    os << "</p></BLOCKQUOTE>";
    //
    // Output list of files that can not be moved over to the Boost Software License
    //

```



```

os << "<h2><a name=\"not-to-bsl\"></a>Files that can NOT be converted to the Boost Software
License</h2>\n"
"P>The following " << m_cannot_migrate_to_bsl.size() << " files cannot be converted to the Boost Software
License because we need the permission of more authors:</P>\n<BLOCKQUOTE><P>";
i2 = m_cannot_migrate_to_bsl.begin();
j2 = m_cannot_migrate_to_bsl.end();
while(i2 != j2)
{
os << split_path(m_boost_path, *i2) << "<br>\n";
++i2;
}
os << "</p></BLOCKQUOTE>";
//
// Output list of authors that we need permission for to move to the BSL
//
os << "<h2><a name=\"need-bsl-authors\"></a>Authors we need for the BSL</h2>\n"
"P>Permission of the following authors is needed before we can convert to the Boost Software License. The
list of authors that have given their permission is contained in <code>more/blanket-
permission.txt</code>.</P>\n<BLOCKQUOTE><P>";
std::copy(m_authors_for_bsl_migration.begin(), m_authors_for_bsl_migration.end(),
std::ostream_iterator<std::string>(os, "<br>\n"));
os << "</p></BLOCKQUOTE>";
//
// output a table of copyright information:
//
os << "<H2><a name=\"copyright\"></a>Copyright Holder Information</H2><table border=\"1\">\n";
std::map<std::string, std::set<fs::path, path_less>::const_iterator ad, ead;
ad = m_author_data.begin();
ead = m_author_data.end();
while(ad != ead)
{
os << "<tr><td>" << ad->first << "</td><td>";
std::set<fs::path, path_less>::const_iterator fi, efi;
fi = ad->second.begin();
efi = ad->second.end();
while(fi != efi)
{
os << split_path(m_boost_path, *fi) << " ";
++fi;
}
os << "</td></tr>\n";
++ad;
}
os << "</table>\n";
}

//
// output file dependency information:

```



```

//
os << "<H2><a name=\"depend\"></a>File Dependency Information</H2><BLOCKQUOTE><pre>\n";
std::map<fs::path, fs::path, path_less>::const_iterator dep, last_dep;
std::set<fs::path, path_less>::const_iterator fi, efi;
fi = m_copy_paths.begin();
efi = m_copy_paths.end();
// if in summary mode, just figure out the "bad" files and print those only:
std::set<fs::path, path_less> bad_paths;
if(m_bsl_summary_mode)
{
    bad_paths.insert(m_unknown_licenses.begin(), m_unknown_licenses.end());
    bad_paths.insert(m_unknown_authors.begin(), m_unknown_authors.end());
    bad_paths.insert(m_can_migrate_to_bsl.begin(), m_can_migrate_to_bsl.end());
    bad_paths.insert(m_cannot_migrate_to_bsl.begin(), m_cannot_migrate_to_bsl.end());
    typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
        ::const_iterator conv_iterator;
    conv_iterator i = m_converted_to_bsl.begin(),
        ie = m_converted_to_bsl.end();
    while(i != ie)
    {
        bad_paths.insert(i->first);
        ++i;
    }
    fi = bad_paths.begin();
    efi = bad_paths.end();
    os << "<P>For brevity, only files not under the BSL are shown</P>\n";
}
while(fi != efi)
{
    os << split_path(m_boost_path, *fi);
    dep = m_dependencies.find(*fi);
    last_dep = m_dependencies.end();
    std::set<fs::path, path_less> seen_deps;
    if (dep != last_dep)
        while(true)
        {
            os << " -> ";
            if(fs::exists(m_boost_path / dep->second))
                os << split_path(m_boost_path, dep->second);
            else if(fs::exists(dep->second))
                os << split_path(fs::path(), dep->second);
            else
                os << dep->second.string();
            if(seen_deps.find(dep->second) != seen_deps.end())
            {
                os << " <I>(Circular dependency!)</I>";
                break; // circular dependency!!!
            }
        }
}

```



```

        seen_deps.insert(dep->second);
        last_dep = dep;
        dep = m_dependencies.find(dep->second);
        if((dep == m_dependencies.end()) || (0 == compare_paths(dep->second, last_dep->second)))
            break;
    }
    os << "\n";
    ++fi;
}
os << "</pre></BLOCKQUOTE>\n";

os << "</body></html>\n";

if(!os)
{
    std::string msg("Error writing to ");
    msg += m_dest_path.string();
    msg += ".";
    std::runtime_error e(msg);
    boost::throw_exception(e);
}

}

```

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```
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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.

The Encore Multimax modifications were supplied by

Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.

Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson (jep@mtiame.mtia.oz.au), Michel Schinz, and

Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de)) and

Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)
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```

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

  <title><no title> &#8212; Boost.HigherOrderFunctions 0.6 documentation</title>

  <link rel="stylesheet" href="_static/boostbook.css" type="text/css" />
  <link rel="stylesheet" href="_static/pygments.css" type="text/css" />

  <script type="text/javascript">
    var DOCUMENTATION_OPTIONS = {
      URL_ROOT:    './',
      VERSION:     '0.6',
      COLLAPSE_INDEX: false,
      FILE_SUFFIX: '.html',
      HAS_SOURCE:  true,
      SOURCELINK_SUFFIX: '.txt'
    };
  </script>
  <script type="text/javascript" src="_static/jquery.js"></script>
  <script type="text/javascript" src="_static/underscore.js"></script>
  <script type="text/javascript" src="_static/doctools.js"></script>
  <link rel="index" title="Index" href="genindex.html" />
  <link rel="search" title="Search" href="search.html" />
</head>
<body role="document">
<table cellpadding="2" width="100%"><tr>
<td valign="top"></td>
</tr></table>

<div class="spirit-nav">
<a accesskey="p" ></a>
<a accesskey="u" href="doc/index.html"></a>
<a accesskey="h" href="doc/index.html"></a>
<a accesskey="n" ></a>
</div>

  <div class="document">
    <div class="chapter">
      <div class="body" role="main">

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```



```

<head>
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

  <title>License &#8212; Boost.HigherOrderFunctions 0.6 documentation</title>

  <link rel="stylesheet" href="../../_static/boostbook.css" type="text/css" />
  <link rel="stylesheet" href="../../_static/pygments.css" type="text/css" />

  <script type="text/javascript">
    var DOCUMENTATION_OPTIONS = {
      URL_ROOT:    '../../',
      VERSION:     '0.6',
      COLLAPSE_INDEX: false,
      FILE_SUFFIX: '.html',
      HAS_SOURCE:  true,
      SOURCELINK_SUFFIX: '.txt'
    };
  </script>
  <script type="text/javascript" src="../../_static/jquery.js"></script>
  <script type="text/javascript" src="../../_static/underscore.js"></script>
  <script type="text/javascript" src="../../_static/doctools.js"></script>
  <link rel="index" title="Index" href="../../genindex.html" />
  <link rel="search" title="Search" href="../../search.html" />
  <link rel="prev" title="Acknowledgements" href="acknowledgements.html" />
</head>
<body role="document">
<table cellpadding="2" width="100%"><tr>
<td valign="top"></td>
</tr></table>

<div class="spirit-nav">
<a accesskey="p" href="acknowledgements.html"></a>
<a accesskey="u" href="../../index.html"></a>
<a accesskey="h" href="../../index.html"></a>
<a accesskey="n" ></a>
</div>

<div class="document">
<div class="chapter">
  <div class="body" role="main">

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--><div class="section" id="license">
<h1>License<a class="headerlink" href="#license" title="Permalink to this headline"></a></h1>
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```


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```
#include <boost/mpl/push_back.hpp>
```

```
#include <boost/mpl/quote.hpp>
```

```
#include <boost/mpl/transform.hpp>
```

```
#include <boost/mpl/vector.hpp>
```

```
template <typename X>
```

```
struct f { using type = X; };
```

```
template <int i>
```

```
struct t { };
```

```
using vector = <%= mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>" }) %>;
```

```
using result = boost::mpl::transform<vector, boost::mpl::quote1<f>>::type;
```

```
int main() { }
```

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```
#include <boost/mpl/push_back.hpp>
```

```
#include <boost/mpl/vector.hpp>
```



```

template <int i>
struct t { };

using vector = <%= mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>" }) %>;

int main() { }
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#include <boost/mpl/fold.hpp>
#include <boost/mpl/push_back.hpp>
#include <boost/mpl/quote.hpp>
#include <boost/mpl/vector.hpp>

template <typename State, typename X>
struct f { using type = X; };

struct state { };

template <int i>
struct t { };

using vector = <%= mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>" }) %>;

using result = boost::mpl::fold<vector, state, boost::mpl::quote2<f>>::type;

int main() { }
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```

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-->

<!-- boost-no-inspect -->

<!-- HTML header for doxygen 1.8.9.1-->

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"

"<http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd>">

<html xmlns="<http://www.w3.org/1999/xhtml>">

<head>

<meta http-equiv="Content-Type" content="text/xhtml; charset=UTF-8"/>

<meta http-equiv="X-UA-Compatible" content="IE=9"/>

<meta name="generator" content="Doxygen 1.8.11"/>

<title>Boost.Hana: Boost.MPL adapters</title>

<link href="tabs.css" rel="stylesheet" type="text/css"/>

<script type="text/javascript" src="jquery.js"></script>

<script type="text/javascript" src="dynsections.js"></script>

<link href="navtree.css" rel="stylesheet" type="text/css"/>

<script type="text/javascript" src="resize.js"></script>

<script type="text/javascript" src="navtreedata.js"></script>

<script type="text/javascript" src="navtree.js"></script>

<script type="text/javascript">

\$(document).ready(initResizable);

\$(window).load(resizeHeight);

</script>

<link href="search/search.css" rel="stylesheet" type="text/css"/>

<script type="text/javascript" src="search/searchdata.js"></script>

<script type="text/javascript" src="search/search.js"></script>

<script type="text/javascript">

\$(document).ready(function() { init_search(); });

</script>

<script type="text/x-mathjax-config">

MathJax.Hub.Config({

extensions: ["tex2jax.js"],

jax: ["input/TeX", "output/HTML-CSS"],

});

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MathJax.Hub.Config({


```

"HTML-CSS": {
  linebreaks: {
    automatic: true,
    width: "75% container"
  }
}
});
</script><script type="text/javascript" src="https://cdn.mathjax.org/mathjax/latest/MathJax.js"></script>
<link href="doxygen.css" rel="stylesheet" type="text/css" />
<!-- Additional javascript for drawing charts. -->
<script type="text/javascript" src="highcharts.js"></script>
<script type="text/javascript" src="highcharts-data.js"></script>
<script type="text/javascript" src="highcharts-exporting.js"></script>
<script type="text/javascript" src="chart.js"></script>
<script type="text/javascript" src="hana.js"></script>
</head>
<body>
<div id="top"><!-- do not remove this div, it is closed by doxygen! -->
<div id="titlearea">
<table cellpadding="0" cellspacing="0">
<tbody>
<tr style="height: 56px;">
<td id="projectlogo"></td>
<td style="padding-left: 0.5em;">
<div id="projectname">Boost.Hana
&#160;<span id="projectnumber">1.5.0</span>
</div>
<div id="projectbrief">Your standard library for metaprogramming</div>
</td>
<td>
<div id="MSearchBox" class="MSearchBoxInactive">
<span class="left">

<input type="text" id="MSearchField" value="Search" accesskey="S"
onfocus="searchBox.OnSearchFieldFocus(true)"
onblur="searchBox.OnSearchFieldFocus(false)"
onkeyup="searchBox.OnSearchFieldChange(event)"/>
</span><span class="right">
<a id="MSearchClose" href="javascript:searchBox.CloseResultsWindow()"></a>
</span>
</div>
</td>
</tr>
</tbody>
</table>

```



```

</div>
<!-- end header part -->
<!-- Generated by Doxygen 1.8.11 -->
<script type="text/javascript">
var searchBox = new SearchBox("searchBox", "search",false,'Search');
</script>
</div><!-- top -->
<div id="side-nav" class="ui-resizable side-nav-resizable">
<div id="nav-tree">
<div id="nav-tree-contents">
<div id="nav-sync" class="sync"></div>
</div>
</div>
<div id="splitbar" style="-moz-user-select:none;"
class="ui-resizable-handle">
</div>
</div>
<script type="text/javascript">
$(document).ready(function(){ initNavTree('group__group-ext-mpl.html','');});
</script>
<div id="doc-content">
<!-- window showing the filter options -->
<div id="MSearchSelectWindow"
onmouseover="return searchBox.OnSearchSelectShow()"
onmouseout="return searchBox.OnSearchSelectHide()"
onkeydown="return searchBox.OnSearchSelectKey(event)">
</div>

<!-- iframe showing the search results (closed by default) -->
<div id="MSearchResultsWindow">
<iframe src="javascript:void(0)" frameborder="0"
name="MSearchResults" id="MSearchResults">
</iframe>
</div>

<div class="header">
<div class="summary">
<a href="#nested-classes">Classes</a> </div>
<div class="headertitle">
<div class="title">Boost.MPL adapters<div class="ingroups"><a class="el" href="group__group-ext.html">External adapters</a></div></div> </div>
</div><!--header-->
<div class="contents">
<a name="details" id="details"></a><h2 class="groupheader">Description</h2>
<p>Adapters for Boost.MPL containers. </p>
<table class="memberdecls">
<tr class="heading"><td colspan="2"><h2 class="groupheader"><a name="nested-classes"></a>
Classes</h2></td></tr>

```



```

<tr class="memitem:"><td class="memItemLeft" align="right" valign="top">struct &#160;</td><td
class="memItemRight" valign="bottom"><a class="el"
href="structboost_1_1mpl_1_1integral__c.html">boost::mpl::integral_c< T, v ></a></td></tr>
<tr class="memdesc:"><td class="mdescLeft">&#160;</td><td class="mdescRight">Adapter for IntegralConstants
from the Boost.MPL. <a href="structboost_1_1mpl_1_1integral__c.html#details">More...</a><br /></td></tr>
<tr class="separator:"><td class="memSeparator" colspan="2">&#160;</td></tr>
<tr class="memitem:"><td class="memItemLeft" align="right" valign="top">struct &#160;</td><td
class="memItemRight" valign="bottom"><a class="el" href="structboost_1_1mpl_1_1list.html">boost::mpl::list< T
></a></td></tr>
<tr class="memdesc:"><td class="mdescLeft">&#160;</td><td class="mdescRight">Adapter for Boost.MPL lists.
<a href="structboost_1_1mpl_1_1list.html#details">More...</a><br /></td></tr>
<tr class="separator:"><td class="memSeparator" colspan="2">&#160;</td></tr>
<tr class="memitem:"><td class="memItemLeft" align="right" valign="top">struct &#160;</td><td
class="memItemRight" valign="bottom"><a class="el"
href="structboost_1_1mpl_1_1vector.html">boost::mpl::vector< T ></a></td></tr>
<tr class="memdesc:"><td class="mdescLeft">&#160;</td><td class="mdescRight">Adapter for Boost.MPL
vectors. <a href="structboost_1_1mpl_1_1vector.html#details">More...</a><br /></td></tr>
<tr class="separator:"><td class="memSeparator" colspan="2">&#160;</td></tr>
</table>
</div><!-- contents -->
</div><!-- doc-content -->
<!--
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-->
<!-- boost-no-inspect -->
<!-- HTML footer for doxygen 1.8.9.1-->
<!-- start footer part -->
<div id="nav-path" class="navpath"><!-- id is needed for treeview function! -->
<ul>
</ul>
</div>
</body>
</html>

```

```
var group__group_ext_mpl =
```

```

[
  [ "integral_c", "structboost_1_1mpl_1_1integral__c.html", null ],
  [ "list", "structboost_1_1mpl_1_1list.html", null ],
  [ "vector", "structboost_1_1mpl_1_1vector.html", null ]
];

```

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```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE article PUBLIC "-//Boost/DTD BoostBook XML V1.0//EN"
"http://www.boost.org/tools/boostbook/dtd/boostbook.dtd">
<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"
xmlns:xi="http://www.w3.org/2001/XInclude">
  <title>Copyright Test</title>
  <articleinfo>
    <copyright>
      <year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
    </copyright>
    <copyright>
      <year>2018</year> <holder>Joe Blow, John Coe</holder>
    </copyright>
    <copyright>
      <year>1977</year> <year>1985</year> <holder>Someone else</holder>
    </copyright>
  </articleinfo>
</article>

#!/usr/bin/env python
from subprocess import check_output as run
from datetime import datetime
from itertools import groupby
from operator import itemgetter
import re
import magic

def authors(filename):
    log = run(['git', 'log', '--follow',
              '--date=short', '--format=%aN%x09%ad', filename],
              universal_newlines=True)
    for line in log.splitlines():
        author, date = line.split('\t')
        if author != 'fix-copyright.py':
            yield author, datetime.strptime(date, '%Y-%m-%d')
```



```

def new_copyright(filename, previous):
    def f():
        au = list(authors(filename))
        alldates = map(itemgetter(1), au)
        aup = sorted(au + map(lambda a: (a, None), previous), key=itemgetter(0))
        for author, records in groupby(aup, itemgetter(0)):
            dates = filter(None, map(itemgetter(1), records))
            if not dates: dates = alldates
            start = min(dates)
            end = max(dates)
            fmt = '{0}' if start.year == end.year else '{0}-{1}'
            line = 'Copyright ' + fmt.format(start.year, end.year) + ' ' + author
            key = (start, author)
            yield key, line
    return map(itemgetter(1), sorted(f()))

def fix_copyright(filename):
    # Find copyright block in original file
    prefix = set()
    names = []
    lines = []
    with open(filename, 'r') as f:
        content = list(f)
    for i, line in enumerate(content[:15]):
        m = re.match(r'^(?P<prefix>\W*)(\((c\))?\s*?copyright\s*(\((c\))?)\s+\d{4}(\s*-\s*\d{4})?\s+(?P<name>.+?)\s*$',
line, re.IGNORECASE)
        if m:
            d = m.groupdict()
            prefix.add(d['prefix'])
            lines.append(i)
            names.append(d['name'].strip())
    if len(prefix) != 1:
        print 'Not found:', filename
        return
    prefix = list(prefix)[0]

    print filename
    new = iter(new_copyright(filename, names))
    with open(filename, 'w') as f:
        for i, line in enumerate(content):
            if i in lines:
                for repl in new:
                    print >>f, prefix + repl
            else:
                print >>f, line,
    pass

```



```

def all_files():
    ls = run(['git', 'ls-files'], universal_newlines=True)
    for filename in ls.splitlines():
        if magic.from_file(filename, mime=True).split('/')[0] == 'text':
            yield filename

for f in all_files():
    fix_copyright(f)
[/=====

Boost.Geometry (aka GGL, Generic Geometry Library)

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Copyright (c) 2008-2013 Bruno Lalande, Paris, France.
Copyright (c) 2009-2013 Mateusz Loskot, London, UK.

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```

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-->


```

<section id="date_time.license">
<title>Boost Date-Time Library License</title>
<bridgehead renderas="sect2">Boost Date-Time Library License</bridgehead>
<!--
<ulink url="../../index.htm">
  <imagedata align="left"
    format="GIF"
    fileref="../../boost.png"
    alt="C++ Boost" />
</ulink>-->
<!--hr /-->
<para>
  The following is the overall license for the boost date_time
  library. This notice is found in all source files related to the
  library.
</para>
<para>
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<!--hr / -->
<ulink url="mailto:jeff@crystalclearsoftware.com">Jeff Garland</ulink>
&#169; 2000-2002
</section>
[/
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]

```

[section:mpl MPL Interoperability]

All the value based traits in this library conform to MPL's requirements
for an [[@../../libs/mpl/doc/refmanual/integral-constant.html](http://www.boost.org/libs/mpl/doc/refmanual/integral-constant.html) Integral Constant type].

Please note that these types no longer inherit from ``mpl::true_`` or ``mpl::false_`` etc, and the library
will no longer implicitly include any MPL header. However there is an implicit conversion from
``integral_constant`` to the corresponding MPL types, therefore tag-dispatching that uses MPL types

in function overloads will still work as before.

```
[endsect]
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=US-ASCII">
<title>MPL Interoperability</title>
<link rel="stylesheet" href="../../../../doc/src/boostbook.css" type="text/css">
<meta name="generator" content="DocBook XSL Stylesheets V1.79.1">
<link rel="home" href="../../index.html" title="Chapter&#160;1.&#160;Boost.TypeTraits">
<link rel="up" href="../../index.html" title="Chapter&#160;1.&#160;Boost.TypeTraits">
<link rel="prev" href="intrinsic.html" title="Support for Compiler Intrinsics">
<link rel="next" href="examples.html" title="Examples">
</head>
<body bgcolor="white" text="black" link="#0000FF" vlink="#840084" alink="#0000FF">
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<td valign="top"></td>
<td align="center"><a href="../../index.html">Home</a></td>
<td align="center"><a href="../../libs/libraries.htm">Libraries</a></td>
<td align="center"><a href="http://www.boost.org/users/people.html">People</a></td>
<td align="center"><a href="http://www.boost.org/users/faq.html">FAQ</a></td>
<td align="center"><a href="../../more/index.htm">More</a></td>
</tr></table>
<hr>
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accesskey="u" href="../../index.html"></a><a accesskey="h"
href="../../index.html"></a><a accesskey="n"
href="examples.html"></a>
</div>
<div class="section">
<div class="titlepage"><div><div><h2 class="title" style="clear: both">
<a name="boost_typedtraits.mpl"></a><a class="link" href="mpl.html" title="MPL Interoperability">MPL
Interoperability</a>
</h2></div></div></div>
<p>
All the value based traits in this library conform to MPL's requirements for
an <a href="../../../../libs/mpl/doc/refmanual/integral-constant.html" target="_top">Integral
Constant type</a>.
</p>
<p>
Please note that these types no longer inherit from <code class="computeroutput"><span
class="identifier">mpl</span><span class="special">::</span><span class="identifier">true_</span></code> or
<code class="computeroutput"><span class="identifier">mpl</span><span class="special">::</span><span
class="identifier">false_</span></code> etc, and the library will no longer
implicitly include any MPL header. However there is an implicit conversion
from <code class="computeroutput"><span class="identifier">integral_constant</span></code> to the
corresponding MPL types, therefore tag-dispatching that uses MPL types in function
```



```

overloads will still work as before.
</p>
</div>
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<td align="left"></td>
<td align="right"><div class="copyright-footer">Copyright © 2000, 2011 Adobe Systems Inc, David
Abrahams,
    Frederic Bron, Steve Cleary, Beman Dawes, Aleksey Gurtovoy, Howard Hinnant,
    Jesse Jones, Mat Marcus, Itay Maman, John Maddock, Alexander Nasonov, Thorsten
    Ottosen, Roman Perepelitsa, Robert Ramey, Jeremy Siek, Robert Stewart and Steven
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    Distributed under the Boost Software License, Version 1.0. (See accompanying
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target="_top">http://www.boost.org/LICENSE_1_0.txt</a>)
    </p>
</div></td>
</tr></table>
<hr>
<div class="spirit-nav">
<a accesskey="p" href="intrinsics.html"></a><a
accesskey="u" href="../index.html"></a><a accesskey="h"
href="../index.html"></a><a accesskey="n"
href="examples.html"></a>
</div>
</body>
</html>
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```

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 ////

```

[#mpl]
# MPL Support, <boost/mp11/mpl.hpp>
:toc:
:toc-title:
:idprefix:

```

The header `<boost/mp11/mpl.hpp>`, when included, defines the

necessary support infrastructure for ``mp_list`` and ``std::tuple``
to be valid link:../../libs/mpl[MPL] sequences.

NOTE: ``mpl.hpp`` is not included by ``<boost/mp11.hpp>``.
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//

// See <http://www.boost.org/libs/container> for documentation.

//

////////////////////////////////////

#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#ifndef BOOST_CONFIG_HPP

include <boost/config.hpp>

#endif

#if defined(BOOST_HAS_PRAGMA_ONCE)

pragma once

#endif

#include <boost/container/detail/config_begin.hpp>

#include <boost/container/detail/workaround.hpp>

#include <boost/move/detail/type_traits.hpp>

#include <boost/intrusive/detail/mpl.hpp>

#include <cstddef>

namespace boost {

namespace container {

namespace dtl {


```

using boost::move_detail::integral_constant;
using boost::move_detail::true_type;
using boost::move_detail::false_type;
using boost::move_detail::enable_if_c;
using boost::move_detail::enable_if;
using boost::move_detail::enable_if_convertible;
using boost::move_detail::disable_if_c;
using boost::move_detail::disable_if;
using boost::move_detail::disable_if_convertible;
using boost::move_detail::is_convertible;
using boost::move_detail::if_c;
using boost::move_detail::if_;
using boost::move_detail::identity;
using boost::move_detail::bool_;
using boost::move_detail::true_;
using boost::move_detail::false_;
using boost::move_detail::yes_type;
using boost::move_detail::no_type;
using boost::move_detail::bool_;
using boost::move_detail::true_;
using boost::move_detail::false_;
using boost::move_detail::unvoid_ref;
using boost::move_detail::and_;
using boost::move_detail::or_;
using boost::move_detail::not_;
using boost::move_detail::enable_if_and;
using boost::move_detail::disable_if_and;
using boost::move_detail::enable_if_or;
using boost::move_detail::disable_if_or;

```

```

template <class FirstType>
struct select1st
{
    typedef FirstType type;

    template<class T>
    const type& operator()(const T& x) const
    { return x.first; }

    template<class T>
    type& operator()(T& x)
    { return const_cast<type&>(x.first); }
};

template <class T, class=void>
struct is_transparent
{
    static const bool value = false;

```



```

};

template <class T>
struct is_transparent<T, typename T::is_transparent>
{
    static const bool value = true;
};

template <typename C, typename K, typename R>
struct enable_if_transparent
    : boost::move_detail::enable_if_c<dtl::is_transparent<C>::value, R>
{
};

} //namespace dtl {
} //namespace container {
} //namespace boost {

#include <boost/container/detail/config_end.hpp>

#ifdef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
////////////////////////////////////
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//
// See http://www.boost.org/libs/interprocess for documentation.
//
////////////////////////////////////

#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
#define BOOST_INTERPROCESS_DETAIL_MPL_HPP

#ifndef BOOST_CONFIG_HPP
# include <boost/config.hpp>
#endif
#
#if defined(BOOST_HAS_PRAGMA_ONCE)
# pragma once
#endif

#include <cstddef>

namespace boost {
namespace interprocess {

```



```

namespace ipcdetail {

template <class T, T val>
struct integral_constant
{
    static const T value = val;
    typedef integral_constant<T,val> type;
};

template< bool C_>
struct bool_ : integral_constant<bool, C_>
{
    static const bool value = C_;
};

typedef bool_<true>    true_;
typedef bool_<false>   false_;

typedef true_ true_type;
typedef false_ false_type;

typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};

template <class T>
struct enable_if_c<false, T> {};

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {};

template<
    bool C
    , typename T1
    , typename T2
    >
struct if_c
{

```



```

    typedef T1 type;
};

template<
    typename T1
    , typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename T1
    , typename T2
    , typename T3
>
struct if_
{
    typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

} //namespace ipcdetail {
} //namespace interprocess {
} //namespace boost {

#endif //ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
////////////////////////////////////
//

```



```
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//
// See http://www.boost.org/libs/intrusive for documentation.
//
////////////////////////////////////
```

```
#ifndef BOOST_INTRUSIVE_DETAIL_MPL_HPP
#define BOOST_INTRUSIVE_DETAIL_MPL_HPP
```

```
#ifndef BOOST_CONFIG_HPP
# include <boost/config.hpp>
#endif
```

```
#if defined(BOOST_HAS_PRAGMA_ONCE)
# pragma once
#endif
```

```
#include <boost/intrusive/detail/config_begin.hpp>
#include <boost/move/detail/type_traits.hpp>
#include <cstddef>
```

```
namespace boost {
namespace intrusive {
namespace detail {
```

```
using boost::move_detail::is_same;
using boost::move_detail::add_const;
using boost::move_detail::remove_const;
using boost::move_detail::remove_cv;
using boost::move_detail::remove_reference;
using boost::move_detail::add_reference;
using boost::move_detail::remove_pointer;
using boost::move_detail::add_pointer;
using boost::move_detail::true_type;
using boost::move_detail::false_type;
using boost::move_detail::enable_if_c;
using boost::move_detail::enable_if;
using boost::move_detail::disable_if_c;
using boost::move_detail::disable_if;
using boost::move_detail::is_convertible;
using boost::move_detail::if_c;
using boost::move_detail::if_;
using boost::move_detail::is_const;
```



```

using boost::move_detail::identity;
using boost::move_detail::alignment_of;
using boost::move_detail::is_empty;
using boost::move_detail::addressof;
using boost::move_detail::integral_constant;
using boost::move_detail::enable_if_convertible;
using boost::move_detail::disable_if_convertible;
using boost::move_detail::bool_;
using boost::move_detail::true_;
using boost::move_detail::false_;
using boost::move_detail::yes_type;
using boost::move_detail::no_type;
using boost::move_detail::apply;
using boost::move_detail::eval_if_c;
using boost::move_detail::eval_if;
using boost::move_detail::unvoid_ref;
using boost::move_detail::add_const_if_c;

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1 + ls_zeros<(S>>1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

// Infrastructure for providing a default type for T::TNAME if absent.
#define BOOST_INTRUSIVE_INSTANTIATE_DEFAULT_TYPE_TMPLT(TNAME) \
    template <typename T> \
    struct boost_intrusive_has_type_ ## TNAME \
    { \
        template <typename X> \
        static char test(int, typename X::TNAME*); \
        \
        template <typename X> \
        static int test(...); \
        \
        static const bool value = (1 == sizeof(test<T>(0, 0))); \
    }

```



```

};

template <typename T, typename DefaultType>
struct boost_intrusive_default_type_ ## TNAME
{
    struct DefaultWrap { typedef DefaultType TNAME; };

    typedef typename
        ::boost::intrusive::detail::if_c
        < boost_intrusive_has_type_ ## TNAME<T>::value
        , T, DefaultWrap>::type::TNAME type;
};

//

#define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_DEFAULT(INSTANTIATION_NS_PREFIX, T,
TNAME, TIMPL) \
    typename INSTANTIATION_NS_PREFIX
    boost_intrusive_default_type_ ## TNAME< T, TIMPL >::type
//

#define BOOST_INTRUSIVE_HAS_TYPE(INSTANTIATION_NS_PREFIX, T, TNAME) \
    INSTANTIATION_NS_PREFIX
    boost_intrusive_has_type_ ## TNAME< T >::value
//

#define BOOST_INTRUSIVE_INSTANTIATE_EVAL_DEFAULT_TYPE_TMPLT(TNAME)\
template <typename T, typename DefaultType>
struct boost_intrusive_eval_default_type_ ## TNAME
{
    template <typename X>
    static char test(int, typename X::TNAME*);

    template <typename X>
    static int test(...);

    struct DefaultWrap
    { typedef typename DefaultType::type TNAME; };

    static const bool value = (1 == sizeof(test<T>(0, 0)));

    typedef typename
        ::boost::intrusive::detail::eval_if_c
        < value
        , ::boost::intrusive::detail::identity<T>
        , ::boost::intrusive::detail::identity<DefaultWrap>
        >::type::TNAME type;
};

//

```



```

#define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_EVAL_DEFAULT(INSTANTIATION_NS_PREFIX, T,
TNAME, TIMPL) \
    typename INSTANTIATION_NS_PREFIX \
        boost_intrusive_eval_default_type_ ## TNAME< T, TIMPL >::type \
//

#define BOOST_INTRUSIVE_INTERNAL_STATIC_BOOL_IS_TRUE(TRAITS_PREFIX,
TYPEDEF_TO_FIND) \
template <class T>\
struct TRAITS_PREFIX##_bool\
{\
    template<bool Add>\
    struct two_or_three {yes_type _[2 + Add];};\
    template <class U> static yes_type test(...);\
    template <class U> static two_or_three<U::TYPEDEF_TO_FIND> test (int);\
    static const std::size_t value = sizeof(test<T>(0));\
};\
\
template <class T>\
struct TRAITS_PREFIX##_bool_is_true\
{\
    static const bool value = TRAITS_PREFIX##_bool<T>::value > sizeof(yes_type)*2;\
};\
//

#define BOOST_INTRUSIVE_HAS_STATIC_MEMBER_FUNC_SIGNATURE(TRAITS_NAME,
FUNC_NAME) \
template <typename U, typename Signature> \
class TRAITS_NAME \
{\ \
private: \
    template<Signature> struct helper;\
    template<typename T> \
    static ::boost::intrusive::detail::yes_type test(helper<&T::FUNC_NAME>*);\
    template<typename T> static ::boost::intrusive::detail::no_type test(...); \
public: \
    static const bool value = sizeof(test<U>(0)) == sizeof(::boost::intrusive::detail::yes_type); \
}; \
//

#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAITS_NAME, FUNC_NAME) \
template <typename Type> \
struct TRAITS_NAME \
{\ \
    struct BaseMixin \
    {\ \
        void FUNC_NAME(); \
    } \
};

```



```

}; \
struct Base : public Type, public BaseMixin { Base(); }; \
template <typename T, T t> class Helper{}; \
template <typename U> \
static ::boost::intrusive::detail::no_type test(U*, Helper<void (BaseMixin::*)(), &U::FUNC_NAME>* = 0); \
static ::boost::intrusive::detail::yes_type test(...); \
static const bool value = sizeof(::boost::intrusive::detail::yes_type) == sizeof(test((Base*)(0))); \
}; \
//

#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED_IGNORE_SIGNATURE(TRAIT_NAME, \
FUNC_NAME) \
BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAIT_NAME##_ignore_signature, FUNC_NAME) \
\
\
template <typename Type, class> \
struct TRAIT_NAME \
: public TRAIT_NAME##_ignore_signature<Type> \
{ }; \
//

} //namespace detail
} //namespace intrusive
} //namespace boost

#include <boost/intrusive/detail/config_end.hpp>

#endif //BOOST_INTRUSIVE_DETAIL_MPL_HPP
This is an attempt to acknowledge early contributions to the garbage
collector. Later contributions should instead be mentioned in
README.changes.

```

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk)
subsequently provided updates and information on variation between ULTRIX
systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(agg@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)
This package was debianized by Vladimir Prus <ghost@cs.msu.su> on
Wed, 17 July 2002, 19:27:00 +0400.

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```
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--- end ---

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```

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<html>
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<body>
  <h3>
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  <p class="copyright">
    1963, 1964, 1965 Jane Doe
  </p>
  <p class="copyright">
    2018 Joe Blow, John Coe
  </p>
  <p class="copyright">
    1977, 1985 Someone else
  </p>
</body>
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[quickbook 1.5]
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[copyright 1977,1985 Someone else]
]
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[quickbook 1.5]
[copyright No year]
]

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Maybe this should pass?

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<html xmlns="http://www.w3.org/1999/xhtml">
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

  <title>License &#8212; Boost.HigherOrderFunctions 0.6 documentation</title>

  <link rel="stylesheet" href="../../_static/boostbook.css" type="text/css" />
  <link rel="stylesheet" href="../../_static/pygments.css" type="text/css" />

  <script type="text/javascript">
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      VERSION:     '0.6',
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<link rel="search" title="Search" href="../../search.html" />
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<div class="document">
<div class="chapter">
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<td align="left"></td>
<td align="right"><div class="copyright-footer">
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    <a href="http://www.boost.org/LICENSE_1_0.txt"
target="_top">http://www.boost.org/LICENSE_1_0.txt</a>)
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<link rel="next" href="examples.html" title="Examples">
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Interoperability</a>
</h2></div></div></div>
<p>
All the value based traits in this library conform to MPL's requirements for
an <a href="../../libs/mpl/doc/refmanual/integral-constant.html" target="_top">Integral
Constant type</a>.
</p>
<p>
Please note that these types no longer inherit from <code class="computeroutput"><span
class="identifier">mpl</span><span class="special">::</span><span class="identifier">true_</span></code> or
<code class="computeroutput"><span class="identifier">mpl</span><span class="special">::</span><span
class="identifier">false_</span></code> etc, and the library will no longer
implicitly include any MPL header. However there is an implicit conversion
from <code class="computeroutput"><span class="identifier">integral_constant</span></code> to the
corresponding MPL types, therefore tag-dispatching that uses MPL types in function
overloads will still work as before.
</p>
</div>
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<td align="right"><div class="copyright-footer">Copyright &#169; 2000, 2011 Adobe Systems Inc, David
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target="_top">http://www.boost.org/LICENSE_1_0.txt</a>)
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href="examples.html"></a>
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</body>
</html>

```


////

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-->

<!-- boost-no-inspect -->

<!-- HTML header for doxygen 1.8.9.1-->

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  extensions: ["tex2jax.js"],
  jax: ["input/TeX", "output/HTML-CSS"],
});
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MathJax.Hub.Config({
  "HTML-CSS": {
    linebreaks: {
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  }
});
</script><script type="text/javascript" src="https://cdn.mathjax.org/mathjax/latest/MathJax.js"></script>
<link href="doxygen.css" rel="stylesheet" type="text/css" />
<!-- Additional javascript for drawing charts. -->
<script type="text/javascript" src="highcharts.js"></script>
<script type="text/javascript" src="highcharts-data.js"></script>
<script type="text/javascript" src="highcharts-exporting.js"></script>
<script type="text/javascript" src="chart.js"></script>
<script type="text/javascript" src="hana.js"></script>
</head>
<body>
<div id="top"><!-- do not remove this div, it is closed by doxygen! -->
<div id="titlearea">
<table cellpadding="0" cellspacing="0">
<tbody>
<tr style="height: 56px;">
<td id="projectlogo"></td>
<td style="padding-left: 0.5em;">
<div id="projectname">Boost.Hana
&#160;<span id="projectnumber">1.5.0</span>
</div>
<div id="projectbrief">Your standard library for metaprogramming</div>
</td>
<td>
<div id="MSearchBox" class="MSearchBoxInactive">
<span class="left">

<input type="text" id="MSearchField" value="Search" accesskey="S"

```



```

        onfocus="searchBox.OnSearchFieldFocus(true)"
        onblur="searchBox.OnSearchFieldFocus(false)"
        onkeyup="searchBox.OnSearchFieldChange(event)"/>
    </span><span class="right">
        <a id="MSearchClose" href="javascript:searchBox.CloseResultsWindow()"></a>
    </span>
</div>
</td>
</tr>
</tbody>
</table>
</div>
<!-- end header part -->
<!-- Generated by Doxygen 1.8.11 -->
<script type="text/javascript">
var searchBox = new SearchBox("searchBox", "search",false,'Search');
</script>
</div><!-- top -->
<div id="side-nav" class="ui-resizable side-nav-resizable">
    <div id="nav-tree">
        <div id="nav-tree-contents">
            <div id="nav-sync" class="sync"></div>
        </div>
    </div>
    <div id="splitbar" style="-moz-user-select:none;"
        class="ui-resizable-handle">
    </div>
</div>
<script type="text/javascript">
$(document).ready(function(){ initNavTree('group__group-ext-mpl.html','');});
</script>
<div id="doc-content">
<!-- window showing the filter options -->
<div id="MSearchSelectWindow"
    onmouseover="return searchBox.OnSearchSelectShow()"
    onmouseout="return searchBox.OnSearchSelectHide()"
    onkeydown="return searchBox.OnSearchSelectKey(event)">
</div>

<!-- iframe showing the search results (closed by default) -->
<div id="MSearchResultsWindow">
<iframe src="javascript:void(0)" frameborder="0"
    name="MSearchResults" id="MSearchResults">
</iframe>
</div>

<div class="header">

```



```

<div class="summary">
<a href="#nested-classes">Classes</a> </div>
<div class="headertitle">
<div class="title">Boost.MPL adapters<div class="ingroups"><a class="el" href="group__group-
ext.html">External adapters</a></div></div> </div>
</div><!-- header -->
<div class="contents">
<a name="details" id="details"></a><h2 class="groupheader">Description</h2>
<p>Adapters for Boost.MPL containers. </p>
<table class="memberdecls">
<tr class="heading"><td colspan="2"><h2 class="groupheader"><a name="nested-classes"></a>
Classes</h2></td></tr>
<tr class="memitem:"><td class="memItemLeft" align="right" valign="top">struct &#160;</td><td
class="memItemRight" valign="bottom"><a class="el"
href="structboost_1_1mpl_1_1integral__c.html">boost::mpl::integral_c< T, v ></a></td></tr>
<tr class="memdesc:"><td class="mdescLeft">&#160;</td><td class="mdescRight">Adapter for IntegralConstants
from the Boost.MPL. <a href="structboost_1_1mpl_1_1integral__c.html#details">More...</a><br /></td></tr>
<tr class="separator:"><td class="memSeparator" colspan="2">&#160;</td></tr>
<tr class="memitem:"><td class="memItemLeft" align="right" valign="top">struct &#160;</td><td
class="memItemRight" valign="bottom"><a class="el" href="structboost_1_1mpl_1_1list.html">boost::mpl::list< T
></a></td></tr>
<tr class="memdesc:"><td class="mdescLeft">&#160;</td><td class="mdescRight">Adapter for Boost.MPL lists.
<a href="structboost_1_1mpl_1_1list.html#details">More...</a><br /></td></tr>
<tr class="separator:"><td class="memSeparator" colspan="2">&#160;</td></tr>
<tr class="memitem:"><td class="memItemLeft" align="right" valign="top">struct &#160;</td><td
class="memItemRight" valign="bottom"><a class="el"
href="structboost_1_1mpl_1_1vector.html">boost::mpl::vector< T ></a></td></tr>
<tr class="memdesc:"><td class="mdescLeft">&#160;</td><td class="mdescRight">Adapter for Boost.MPL
vectors. <a href="structboost_1_1mpl_1_1vector.html#details">More...</a><br /></td></tr>
<tr class="separator:"><td class="memSeparator" colspan="2">&#160;</td></tr>
</table>
</div><!-- contents -->
</div><!-- doc-content -->
<!--
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-->
<!-- boost-no-inspect -->
<!-- HTML footer for doxygen 1.8.9.1-->
<!-- start footer part -->
<div id="nav-path" class="navpath"><!-- id is needed for treeview function! -->
<ul>
</ul>
</div>
</body>
</html>

```


1.29 Boost Library 1.67

1.29.1 Available under license :

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Boost.Geometry (aka GGL, Generic Geometry Library)

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--- end ---


```
[/  
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1.30 boost.process 0.5

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1.31 byte-buddy 1.7.9

1.32 byte-buddy-agent 1.7.9

1.33 cache-api 1.0.0

1.33.1 Available under license :

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1.34 charted-dart 0.4.0+1

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1.35 circular-json 0.5.5

1.35.1 Available under license :

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*/

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1.36 com.h2database:h2 1.4.197

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```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
```

```
<!--
```

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```
-->
```

```
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en">
```

```
<head><meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
```

```
<meta name="viewport" content="width=device-width, initial-scale=1" />
```

```
<title>
```

License

```
</title>
```

```
<link rel="stylesheet" type="text/css" href="stylesheet.css" />
```

```
<!-- [search] { -->
```

```
<script type="text/javascript" src="navigation.js"></script>
```

```
</head><body onload="frameMe();">
```

```
<table class="content"><tr class="content"><td class="content"><div class="contentDiv">
```

```
<!-- } -->
```

```
<h1>License</h1>
```

```
<a href="#summary">
```

Summary and License FAQ


```
<a href="#mpl2">
```

Mozilla Public License Version 2.0


```
<a href="#eclipse_license">
```

Eclipse Public License - Version 1.0


```
<a href="#eccn">
```

Export Control Classification Number (ECCN)


```
<h2 id="summary">Summary and License FAQ</h2>
```

```
<p>
```

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<!-- [close] { --></div></td></tr></table><!-- } --><!-- analytics --></body></html>

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1.49 crypto 2.0.2

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1.50 csv-dart 2.0.1

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1.51 dart-lang sdk 1.21.1

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1.52 dart-lzma 0.3.0

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1.55 dateformat 3.0.2

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1.56 deprecated-decorator 0.1.6

1.57 dsbroker 1.1.0

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1.58 dslink 0.20.1

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```
package org.dsa.iot.dslink.node;
```

```
/**
```

```
 * Handles various permission levels
```

```
 * @author Samuel Grenier
```

```
 */
```

```
public enum Permission {
```

```
    NONE("none"),
```

```
    READ("read"),
```

```
    WRITE("write"),
```

```
    CONFIG("config"),
```

```
    NEVER("never");
```

```
    private final String jsonName;
```

```
    Permission(String jsonName) {
```

```
        this.jsonName = jsonName;
```

```
    }
```



```

/**
 * @return JSON ready name of the permission
 */
public String getJsonName() {
    return jsonName;
}

/**
 * Converts a string permission received from an endpoint back into a
 * permission enumeration.
 *
 * @param perm Permission string to convert.
 * @return Converted string into an enumeration.
 */
public static Permission toEnum(String perm) {
    switch (perm) {
        case "none":
            return NONE;
        case "read":
            return READ;
        case "write":
            return WRITE;
        case "config":
            return CONFIG;
        case "never":
            return NEVER;
        default:
            throw new RuntimeException("Unhandled type");
    }
}
}

```

1.59 dslink-dart-dql

72445afc32028d9614ed2a5904edadef34e0688

e

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```

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## 1.60 dslink-dart-system

93cfbb439824087ad7e2422f5ba60d7db73ec2a

### 4

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## 1.62 dsllink-alarm 1.9.0

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## 1.63 duosecurity-dart 0.0.1

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## 1.64 fast-json-stable-stringify 2.0.0

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## 1.66 glob 1.0.5

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## 1.67 go 1.11.4

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9419663f5a44be8b34ca85f08abc5fe1be11f8a3

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## 1.70 graphql 0.13.2



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## 1.72 graphql-java 8.0

## 1.73 graphql-tag 2.9.2

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## 1.76 h2 1.4.195

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## 1.78 hibernate-jpa-2.1-api 1.0.0.Final

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```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta name="author" content="Mike Milinkovich, January 25, 2008"/>
<meta name="keywords" content="edl, legal, license"/>
<link href="//fonts.googleapis.com/css?family=Open+Sans:400,700,300,600,100" rel="stylesheet"
type="text/css"/>
<link rel="shortcut icon" href="/eclipse.org-common/themes/solstice/public/images/favicon.ico"/>
<title>Eclipse Distribution License</title>
<link rel="stylesheet" href="/eclipse.org-common/themes/solstice/public/stylesheets/styles.min.css"/>
<meta property="og:description" content="Eclipse is probably best known as a Java IDE, but it is more: it is an IDE
```



```

framework, a tools framework, an open source project, a community, an eco-system, and a foundation."/>
<meta property="og:image" content="https://www.eclipse.org/eclipse.org-
common/themes/solstice/public/images/logo/eclipse-200x200.png"/>
<meta property="og:title" content="Eclipse Distribution License"/>
<meta property="og:image:width" content="200"/>
<meta property="og:image:height" content="200"/>
<meta itemprop="name" content="Eclipse Distribution License"/>
<meta itemprop="description" content="Eclipse is probably best known as a Java IDE, but it is more: it is an IDE
framework, a tools framework, an open source project, a community, an eco-system, and a foundation."/>
<meta itemprop="image" content="https://www.eclipse.org/eclipse.org-
common/themes/solstice/public/images/logo/eclipse-400x400.png"/>
<meta name="twitter:site" content="@EclipseFdn"/>
<meta name="twitter:card" content="summary"/>
<meta name="twitter:title" content="Eclipse Distribution License"/>
<meta name="twitter:url" content="http://www.eclipse.org/org/documents/edl-v10.php"/>
<meta name="twitter:description" content="Eclipse is probably best known as a Java IDE, but it is more: it is an
IDE framework, a tools framework, an open source project, a community, an eco-system, and a foundation."/>
<meta name="twitter:image" content="https://www.eclipse.org/eclipse.org-
common/themes/solstice/public/images/logo/eclipse-400x400.png"/>

<script> var eclipse_org_common =
{"settings":{"cookies_class":{"name":"eclipse_settings","enabled":1}}}</script> </head>
<body id="body_solstice">
 Skip to main content
 <div class="clearfix toolbar-container-wrapper">
 <div class="container">
 <div class="text-right toolbar-row row hidden-print">
 <div class="col-md-24 row-toolbar-col">
 <ul class="list-inline">
 <i class="fa fa-user fa-fw"></i> Create
account
 <a
href="https://accounts.eclipse.org/user/login/?takemeback=http%3A%2F%2Fwww.eclipse.org%2Forg%2Fdocumen
ts%2Fedl-v10.php"><i class="fa fa-sign-in fa-fw"></i> Log in

 </div>
 </div>
 </div>
 </div><header role="banner" id="header-wrapper">
<div class="container">
 <div class="row" id="header-row">
 <div class="hidden-xs col-sm-8 col-md-6 col-lg-5" id="header-left">
 <div class="wrapper-logo-default"></div>
 </div> <div class="col-sm-10 col-md-8 col-lg-5 hidden-print hidden-xs pull-right" id="header-right">
 <div class="row"><div class="col-md-24">

```



```

<div id="custom-search-form" class="reset-box-sizing">
<script>
(function() {
var cx = '011805775785170369411:p3ec0igo0qq';
var gcse = document.createElement('script');
gcse.type = 'text/javascript';
gcse.async = true;
gcse.src = (document.location.protocol == 'https:' ? 'https:' : 'http:') +
'//cse.google.com/cse.js?cx=' + cx;
var s = document.getElementsByTagName('script')[0];
s.parentNode.insertBefore(gcse, s);
})();
</script>
<gcse:searchbox-only gname="main" resultsUrl="https://www.eclipse.org/home/search.php"></gcse:searchbox-
only>
</div></div></div>
<div id="btn-call-for-action"><i
class="fa fa-download"></i> Download</div>
</div> <div class="col-sm-14 col-md-16 col-lg-19 reset" id="main-menu-wrapper">
<div class="navbar yamm" id="main-menu">
<div id="navbar-collapse-1" class="navbar-collapse collapse">
<ul class="nav navbar-nav">
<li class="visible-thin"><a href="http://www.eclipse.org/downloads/"
target="_self">DownloadGetting
StartedMembersProjects
<li class="dropdown visible-
xs">Community <b class="caret"><ul
class="dropdown-menu">MarketplaceEventsPlanet
EclipseNewsletterVideos<li class="dropdown visible-xs">Participate <b class="caret"><ul
class="dropdown-menu">Report a BugForumsMailing
ListsWikiIRCHow to
Contribute<li class="dropdown visible-xs"><a href="#" data-toggle="dropdown"
class="dropdown-toggle">Working Groups <b class="caret"><ul class="dropdown-menu">Internet of ThingsLocationTechLong-Term
SupportPolarSysScienceOpenMDM
<!-- More -->
<li class="dropdown eclipse-more hidden-xs">
<a data-toggle="dropdown" class="dropdown-toggle">More<b class="caret">
<ul class="dropdown-menu">

<!-- Content container to add padding -->

```



```
<div class="yamm-content">
 <div class="row">
 <ul class="col-sm-8 list-unstyled"><p>Community</p>MarketplaceEventsPlanet
EclipseNewsletterVideos<ul class="col-sm-8 list-
unstyled"><p>Participate</p>Report a
BugForumsMailing ListsWikiIRCHow to Contribute<ul class="col-sm-8 list-
unstyled"><p>Working Groups</p>Internet of
ThingsLocationTechLong-Term SupportPolarSysScienceOpenMDM
 </div>

</div>

<div class="navbar-header">
 <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#navbar-collapse-1">
 Toggle navigation

 </button>
 <div class="wrapper-logo-mobile"></div>
 </div>
</div>
</div>
</div>

<div class="hidden-print default-breadcrumbs" id="breadcrumb">
 <div class="container">
 <h3 class="sr-only">Breadcrumbs</h3>
 <div class="row">
 <div class="col-sm-16 padding-left-30"><ol class="breadcrumb">HomeAbout
UsGovernance Documents<li
class="active">Eclipse Distribution License</div>
 <div class="col-sm-8 margin-top-15"></div>
```



</div>

</div>

</section> <!-- /#breadcrumb --><main class="no-promo">

<div class="novaContent container" id="novaContent">

<!-- nav -->

<aside id="leftcol" class="col-md-4">

<ul id="leftnav" class="ul-left-nav fa-ul hidden-print">

<li class="separator">

<a class="separator" href="/org/">

About Us </a>

</li>

<li>

<i class="fa fa-angle-double-right orange fa-fw"></i>

<a href="/org/foundation/reports/annual\_report.php" target="\_self">

Annual Report </a>

</li>

<li>

<i class="fa fa-angle-double-right orange fa-fw"></i>

<a href="/org/foundation/" target="\_self">

Foundation </a>

</li>

<li>

<i class="fa fa-angle-double-right orange fa-fw"></i>

<a href="/org/documents/" target="\_self">

Governance </a>

</li>

<li>

<i class="fa fa-angle-double-right orange fa-fw"></i>

<a href="/legal/" target="\_self">

Legal Resources </a>

</li>



```


 <i class="fa fa-angle-double-right orange fa-fw"></i>

 Contact Us

</aside>

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 WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
 ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
 POSSIBILITY OF SUCH DAMAGE.</p>
</div>
<div id="rightcolumn">
 <div class="sideitem">
 <h6>OSI Approved</h6>The Eclipse Distribution License is an OSI Approved Open Source License by means of
 the
 New BSD License.
 <p align="center"> </p>
 <h6>Purpose</h6>

```



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```

 <h2 class="section-title">Other</h2>
<ul class="nav">
 IDE and Tools
 Community of Projects
 Working Groups
 Research@Eclipse

<ul class="list-inline social-media">
 <i class="fa fa-twitter-square"></i>
 <i class="fa fa-google-plus-square"></i>
 <i class="fa fa-facebook-square"></i>
 <i class="fa fa-youtube-square"></i>
 <i class="fa fa-linkedin-square"></i>
 </section>

 <div id="copyright" class="col-sm-offset-1 col-sm-14 col-md-24 col-md-offset-0">
 <div class="wrapper-logo-eclipse-white"></div>
 <p id="copyright-text">Copyright © 2017 The Eclipse Foundation. All Rights Reserved.</p>
 </div> Back to the top
 </div>
</div>
</footer>
<!-- Placed at the end of the document so the pages load faster -->
<script src="/eclipse.org-common/themes/solstice/public/javascript/main.min.js"></script>

<script type="text/javascript">

 var _gaq = _gaq || [];
 _gaq.push(['_setAccount', 'UA-910670-2']);
 _gaq.push(['_trackPageview']);

 (function() {
 var ga = document.createElement('script'); ga.type = 'text/javascript'; ga.async = true;
 ga.src = ('https:' == document.location.protocol ? 'https://ssl' : 'http://www') + '.google-analytics.com/ga.js';
 var s = document.getElementsByTagName('script')[0]; s.parentNode.insertBefore(ga, s);
 })();

</script>
</body>
</html>
<?xml version="1.0" encoding="ISO-8859-1" ?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">

```



```

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<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1" />
<title>Eclipse Public License - Version 1.0</title>
<style type="text/css">
body {
 size: 8.5in 11.0in;
 margin: 0.25in 0.5in 0.25in 0.5in;
 tab-interval: 0.5in;
}
p {
 margin-left: auto;
 margin-top: 0.5em;
 margin-bottom: 0.5em;
}
p.list {
 margin-left: 0.5in;
 margin-top: 0.05em;
 margin-bottom: 0.05em;
}
</style>

</head>

<body lang="EN-US">

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## 1.79 HikariCP 3.1.0

## 1.80 historian 0.20.1

## 1.81 http\_multi\_server 2.0.3

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// -----  
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// -----



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ignite-indexing

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```
// -----
// List of ignite-indexing module's dependencies provided as a part of this distribution.
// -----
```

```
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For H2 Database Engine (<http://www.h2database.com>) com.h2database:h2:jar:1.4.195

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For Lucene Common Analyzers (<http://lucene.apache.org/lucene-parent/lucene-analyzers-common>)  
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```
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// -----
```

```
=====
```

For SLF4J API Module (<http://www.slf4j.org>) org.slf4j:slf4j-api:jar:1.7.7

```
=====
```

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```
=====
```

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// -----
```

```
=====
```

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```
=====
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## 1.92 iterall 1.2.2



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## 1.99 jackson-databind 2.9.8

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## 1.103 jackson-dataformat-msgpack 0.8.14

## 1.104 jackson-dataformat-yaml 2.9.6

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## 1.105 java-dataloader 2.0.2



# 1.106 JavaBeans Activation Framework (JAF)

## 1.1

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## 1.108 jcommander 1.72

## 1.109 jdbc-postgres 8.4.702

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## 1.118 json-schema-validator 0.1.13

## 1.119 json-schema-validator 2.2.8

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# 1.120 Json.NET 11.0.2

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# 1.123 junit-jupiter-api 5.0.1

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# 1.124 junit-platform-commons 1.0.1

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## 1.131 logging 0.20.1

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## 1.133 lua-resty-hmac 0.02

## 1.134 lua-resty-http 0.12

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## 1.136 lua-resty-openidc 1.6.1

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was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)  
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analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,  
analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,  
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,  
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt  
See <http://members.unine.ch/jacques.savoy/clef/index.html>.

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:  
analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java  
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analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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## Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration

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analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,  
analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,  
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,  
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt  
See <http://members.unine.ch/jacques.savoy/clef/index.html>.

The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:

analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java  
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in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt.  
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## Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration

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analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,  
analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,  
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,  
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt  
See <http://members.unine.ch/jacques.savoy/clef/index.html>.

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analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java  
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analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt  
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analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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## Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration

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analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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## 1.146 mime\_type 0.1.8

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```
<!DOCTYPE html>
```

```
<html>
<head>
 <title>MIT LICENSE</title>
</head>
<body>
 <h3>
 LICENSE
 </h3>
 <p id="text">
 <pre>
```

```
Permission is hereby granted, free of charge, to any person obtaining a copy of
this software and associated documentation files (the "Software"), to deal in the
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```
</pre>
</p>
</body>
</html>
```

## 1.147 mockito-core 2.12.0

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**1.157 netty-codec-http 4.1.19.Final**

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**1.166 null 0.9**



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## 1.173 parstream-authentication 1.2

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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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## 1.175 path-dart 1.4.2

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# 1.177 postgresql-jdbc 42.2.5

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---

layout: default

title: PostgreSQL JDBC Contributors

resource: ../media

nav: ../

---

{% include submenu\_community.html %}

```
<div id="pgContentWrap">
 <h1>Contributors</h1>
 <hr />
 <div>

 Maintainers
 Previous Maintainers
 Developers
 Translators

 </div>
 <hr />
```

```

<h2 class="underlined_10">Maintainers</h2>
<div>
 <p>
 Please do not contact the maintainers directly unless you have
 a specific need to contact just them. Please use the
 pgsql-jdbc@postgresql.org
 mailing list if at all possible.
```



```

</p>

 [davec] - Dave Cramer (pg.at.fastcrypt.com)
 [jurka] - Kris Jurka (jurka.at.ejurka.com)
 [oliver] - Oliver Jowett (oliver.at.opencloud.com)

</div>
<hr />

<h2 class="underlined_10">Previous Maintainers</h2>
<div>
 <p>
 The original JDBC driver was written by Adrian Hall. Peter Mount
 and Barry Lind have maintained it in the past, but have
 since moved on to other things.
 </p>
</div>
<hr />

<h2 class="underlined_10">Developers</h2>
<div>
 <p>
 People who have contributed significant code to the project since
 the 7.4 release. A careful historical study has not been
 commissioned, but if you've done something valuable, we'd
 be happy to recognize you for it. Just let us know.
 </p>

 Jan Andre le Roux

 ResultSetMetaData information based on the V3 protocol

 Jaroslaw J. Pyszny

 Improve MetaData regarding the serial datatype

 Ulrich Meis

 Allow users to customize the SSL connection

 Xavier Poinard

 Standard escaped functions {fn ...() }


```



- 

- Oliver Siegmar
- Support for infinity in the timestamp datatype
- Make PGInterval able to decode and manipulate interval data
- Michael Barker
- Blob write and position methods.
- Andras Kadinger
- Support asynchronous notification retrieval.
- Heikki Linnakangas
- XADatasource implementation.
- Luis Vilar Flores
- Reduce memory usage retrieving bytea data.
- Michael Paesold
- Correctly parse dollar quotes and comments.
- Work with standard\_conforming\_strings = on.
- Mikko Tiihonen
- Improve speed of parsing ResultSet data.
- Marek Lewczuk
- Support multi-dimensional arrays and NULL array elements.

---



```

<h2 class="underlined_10">Translators</h2>
<div>

cs - Czech

Petr Dittrich

de - German

Andre Bialojahn

es - Spanish

Diego A. Gil

fr - French

Xavier Poinsard

it - Italian

Giuseppe Sacco

pl - Polish

Jaroslaw Pyszny

pt_BR - Brazilian Portuguese

Euler Taveira de Oliveira

ru - Russian

Serguei Mokhov

sr - Serbian

Bojan Skaljic


```



```


tr - Turkish

Devrim Gunduz
Nicolai Tufar

zh_CN - Simplified Chinese

Weiping
Kuo ChaoYi

zh_TW - Traditional Chinese

Zhenbang Wei
Kuo ChaoYi

</div>
</div> <!-- pgContentWrap -->

layout: default
title: PostgreSQL JDBC License
resource: ../media
nav: ../

{% include submenu_about.html %}

<div id="pgContentWrap">
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<hr />

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"benoit" : "https://github.com/benbenw",
"bpd0018" : "https://github.com/bpd0018",
"chalda" : "https://github.com/ochaloup",
"djydewang" : "https://github.com/djydewang",
"eperez" : "https://github.com/eperez",
"goeland86" : "https://github.com/goeland86",
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"rnveach" : "https://github.com/rnveach",
"slmsbrhgn" : "https://github.com/slmsbrhgn",
"trtrmitya" : "https://github.com/trtrmitya",
"zapov" : "https://github.com/zapov",
"Ivaro Hernndez Tortosa" : "https://github.com/ahachete",
"tienne BERSAC" : "https://github.com/bersace"
}

```

## 1.178 pub\_semver 1.3.2

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## 1.181 reactive-streams 1.0.2

## 1.182 runtime\_shared 0.20.1

## 1.183 rxjava 2.1.3

## 1.184 sdk-dslink-dart 1.0.0

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part of dslink.common;

```
class Permission {
 /// now allowed to do anything
 static const int NONE = 0;

 /// list node
 static const int LIST = 1;

 /// read node
 static const int READ = 2;

 /// write attribute and value
 static const int WRITE = 3;

 /// config the node
 static const int CONFIG = 4;

 /// something that can never happen
 static const int NEVER = 5;

 static const List<String> names = const [
 'none',
 'list',
 'read',
```



```

 'write',
 'config',
 'never'
];

static const Map<String, int> nameParser = const {
 'none': NONE,
 'list': LIST,
 'read': READ,
 'write': WRITE,
 'config': CONFIG,
 'never': NEVER
};

static int parse(Object obj, [int defaultVal = NEVER]) {
 if (obj is String && nameParser.containsKey(obj)) {
 return nameParser[obj];
 }
 return defaultVal;
}

class PermissionList {
 Map<String, int> idMatches = {};
 Map<String, int> groupMatches = {};
 int defaultPermission = Permission.NONE;

 void updatePermissions(List data) {
 idMatches.clear();
 groupMatches.clear();
 defaultPermission = Permission.NONE;
 for (Object obj in data) {
 if (obj is Map) {
 if (obj['id'] is String) {
 idMatches[obj['id']] = Permission.nameParser[obj['permission']];
 } else if (obj['group'] is String) {
 if (obj['group'] == 'default') {
 defaultPermission = Permission.nameParser[obj['permission']];
 } else {
 groupMatches[obj['group']] =
 Permission.nameParser[obj['permission']];
 }
 }
 }
 }
 }

 bool _FORCE_CONFIG = true;

```



```

int getPermission(Responder responder) {
 // TODO Permission temp workaround before user permission is implemented
 if (_FORCE_CONFIG) {
 return Permission.CONFIG;
 }
 if (idMatches.containsKey(responder.reqId)) {
 return idMatches[responder.reqId];
 }

 int rslt = Permission.NEVER;
 for (String group in responder.groups) {
 if (groupMatches.containsKey(group)) {
 int v = groupMatches[group];
 if (v < rslt) {
 // choose the lowest permission from all matched group
 rslt = v;
 }
 }
 }

 if (rslt == Permission.NEVER) {
 return defaultPermission;
 }
 return rslt;
}
}
...

```

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...

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## **1.186 slf4j-ext 1.7.25**

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## **1.191 sqlite-amalgamation 3.26.0**

## **1.192 stack\_trace 1.7.3**



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## 1.193 Statemachine master

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## 1.194 stich-dart 0.2.0+4

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## 1.195 swagger-annotations 1.5.18

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```
package io.swagger.annotations;
```

```
import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;
```

```
/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 *
 * @since 1.5.0
 */
```

```
@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {
```

```
 /**
 * The name of the license.
 *
 * @return the name of the license
 */
 String name();

 /**
 * An optional URL for the license.
 *
 * @return an optional URL for the license.
 */
 String url() default "";
}
```

## 1.196 swagger-annotations 2.0.0-rc4

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*/

package io.swagger.v3.oas.annotations.info;

import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * The annotation may be used in { @link Info#license()} to define a license for the OpenAPI spec.
 *
 * @see License (OpenAPI specification)
 * @see io.swagger.v3.oas.annotations.OpenAPIDefinition
 * @see Info
 */
@Target({})
@Retention(RetentionPolicy.RUNTIME)
public @interface License {
 /**
 * The license name used for the API.
 *
 * @return the name of the license
 */
 String name() default "";

 /**
 * A URL to the license used for the API. MUST be in the format of a URL.
 *
 * @return the URL of the license
 */
 String url() default "";
}

```

## 1.197 swagger-compatible-spec-parser 1.0.34



# 1.198 swagger-core 1.5.18

# 1.199 swagger-core 2.0.0-rc4

# 1.200 swagger-models 2.0.0-rc4

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 */

package io.swagger.v3.oas.models.info;

import java.util.Objects;

/**
 * License
 *
 * @see "https://github.com/OAI/OpenAPI-Specification/blob/3.0.1/versions/3.0.1.md#licenseObject"
 */

public class License {
 private String name = null;
 private String url = null;
 private java.util.Map<String, Object> extensions = null;

 /**
```



```

* returns the name property from a License instance.
*
* @return String name
**/

```

```

public String getName() {
 return name;
}

```

```

public void setName(String name) {
 this.name = name;
}

```

```

public License name(String name) {
 this.name = name;
 return this;
}

```

```

/**
* returns the url property from a License instance.
*
* @return String url
**/

```

```

public String getUrl() {
 return url;
}

```

```

public void setUrl(String url) {
 this.url = url;
}

```

```

public License url(String url) {
 this.url = url;
 return this;
}

```

```

@Override
public boolean equals(java.lang.Object o) {
 if (this == o) {
 return true;
 }
 if (o == null || getClass() != o.getClass()) {
 return false;
 }
 License license = (License) o;
 return Objects.equals(this.name, license.name) &&
 Objects.equals(this.url, license.url) &&

```



```

 Objects.equals(this.extensions, license.extensions);
 }

 @Override
 public int hashCode() {
 return Objects.hash(name, url, extensions);
 }

 public java.util.Map<String, Object> getExtensions() {
 return extensions;
 }

 public void addExtension(String name, Object value) {
 if (name == null || name.isEmpty() || !name.startsWith("x-")) {
 return;
 }
 if (this.extensions == null) {
 this.extensions = new java.util.HashMap<>();
 }
 this.extensions.put(name, value);
 }

 public void setExtensions(java.util.Map<String, Object> extensions) {
 this.extensions = extensions;
 }

 public License extensions(java.util.Map<String, Object> extensions) {
 this.extensions = extensions;
 return this;
 }

 @Override
 public String toString() {
 StringBuilder sb = new StringBuilder();
 sb.append("class License {\n");

 sb.append(" name: ").append(toIndentedString(name)).append("\n");
 sb.append(" url: ").append(toIndentedString(url)).append("\n");
 sb.append("}");
 return sb.toString();
 }

 /**
 * Convert the given object to string with each line indented by 4 spaces
 * (except the first line).
 */
 private String toIndentedString(java.lang.Object o) {
 if (o == null) {

```



```

 return "null";
 }
 return o.toString().replace("\n", "\n ");
}

}

```

# 1.201 swagger-models 1.5.18

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```
package io.swagger.models;
```

```
import com.fasterxml.jackson.annotation.JsonAnyGetter;
import com.fasterxml.jackson.annotation.JsonAnySetter;
```

```
import java.util.LinkedHashMap;
import java.util.Map;
```

```
public class License {
 private Map<String, Object> vendorExtensions = new LinkedHashMap<String, Object>();
 private String name;
 private String url;
```

```
 public License name(String name) {
 setName(name);
 return this;
 }
```

```
 public License url(String url) {
 setUrl(url);
 return this;
 }
```

```
 public String getName() {
 return name;
 }
```

```
 public void setName(String name) {
 this.name = name;
 }
```

```
 public String getUrl() {
 return url;
 }
```

```
 public void setUrl(String url) {
 this.url = url;
 }
```



```

}

@JsonAnyGetter
public Map<String, Object> getVendorExtensions() {
 return vendorExtensions;
}

@JsonAnySetter
public void setVendorExtension(String name, Object value) {
 if (name.startsWith("x-")) {
 vendorExtensions.put(name, value);
 }
}

public void setVendorExtensions(Map<String, Object> vendorExtensions) {
 this.vendorExtensions = vendorExtensions;
}

@Override
public int hashCode() {
 final int prime = 31;
 int result = 1;
 result = prime * result + ((name == null) ? 0 : name.hashCode());
 result = prime * result + ((url == null) ? 0 : url.hashCode());
 result = prime * result + ((vendorExtensions == null) ? 0 : vendorExtensions.hashCode());
 return result;
}

@Override
public boolean equals(Object obj) {
 if (this == obj) {
 return true;
 }
 if (obj == null) {
 return false;
 }
 if (getClass() != obj.getClass()) {
 return false;
 }
 License other = (License) obj;
 if (name == null) {
 if (other.name != null) {
 return false;
 }
 } else if (!name.equals(other.name)) {
 return false;
 }
 if (url == null) {

```



```
 if (other.url != null) {
 return false;
 }
 } else if (!url.equals(other.url)) {
 return false;
 }
 if (vendorExtensions == null) {
 if (other.vendorExtensions != null) {
 return false;
 }
 } else if (!vendorExtensions.equals(other.vendorExtensions)) {
 return false;
 }
 return true;
}
}
```

## 1.202 swagger-parser 1.0.34

## 1.203 swagger-parser 2.0.0-rc3

## 1.204 swagger-parser-core 2.0.0-rc3

## 1.205 swagger-parser-v2-converter 2.0.0-rc3

## 1.206 swagger-parser-v3 2.0.0-rc3

## 1.207 symbol-observable 1.2.0



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## 1.208 system\_info 0.0.16

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## 1.209 tcmalloc (includign perftools and libunwind) 2.4.91

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# 1.210 throttle-debounce 2.0.0

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## 1.212 typed\_data 1.1.3

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## 1.213 utf 0.9.0+3

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## 1.214 uuid 3.3.2

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## 1.215 vertx-auth-common 3.5.4

## 1.216 vertx-auth-jwt 3.5.4

## 1.217 vertx-bridge-common 3.5.4

## 1.218 vertx-core 3.5.4

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## 1.219 vertx-ignite 3.5.4

## 1.220 vertx-jwt 3.5.4

## 1.221 vertx-rx-java2 3.5.4

## 1.222 vertx-service-discovery 3.5.4

## 1.223 vertx-service-factory 3.5.4



## 1.224 vertx-service-proxy 3.5.4

## 1.225 vertx-web 3.5.4

## 1.226 vertx-web-api-contract 3.5.4

## 1.227 vue 2.5.16

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## 1.228 vue-apollo 3.0.0-beta.19



# 1.229 vue-clickaway 2.2.2

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# 1.230 vue-js-modal 1.3.6

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## 1.236 vuex-persist 1.4.3



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## 1.237 watcher 0.9.7+3

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## 1.238 yajl-2.0.1 2.0.1

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## 1.239 yaml 2.1.7

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## 1.242 zen-observable-ts 0.8.9

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## 1.243 zlib 1.2.11

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