Policy Applications Using CLIs

CLI commands for configuring and monitoring policy applications.

Application-Aware Routing Command Hierarchy

Configure and apply the policy on Cisco vSmart Controllers:

```
policy
  lists
    app-list list-name
      (app application-name | app-family application-family)
    data-prefix-list list-name
      ip-prefix prefix/length
    site-list list-name
      site-id site-id
    vpn-list list-name
      vpn vpn-id
  sla-class  sla-class-name
    jitter milliseconds
    latency milliseconds
    loss percentage
```

```
policy
  app-route-policy policy-name
    vpn-list list-name
      default-action sla-class sla-class-name
      sequence number
        match
          app-id app-id-name
          app-list list-name
          destination-data-prefix-list list-name
          destination-ip prefix/length
          destination-port number
          dns (request | response)
          dns-app-list list-name
          dscp number
          plp (high | low)
          protocol number
          source-data-prefix-list list-name
          source-ip prefix/length
          source-port number
        action
          backup-sla-preferred-color colors
          count
          log
          sla-class sla-class-name [strict] [preferred-color colors]
```

```
apply-policy  site-list list-name
  app-route-policy policy-name
```

Cflowd Traffic Flow Monitoring Command Hierarchy

Configure on Cisco vSmart Controllers only:

```
policy
  lists
    prefix-list list-name
      ip-prefix prefix/length
    site-list list-name
      site-id site-id
    vpn-list list-name
      vpn vpn-id
  cflowd-template template-name
    collector vpn vpn-id address ip-address port port-number transport transport-type
    flow-active-timeout seconds
    flow-inactive-timeout seconds
    flow-sampling-interval number
    template-refresh seconds

policy
  data-policy policy-name vpn-list list-name
    default-action action
    sequence number
      match
        destination-data-prefix-list list-name
        destination-ip prefix/length
        destination-port number
        dscp number
        protocol number
        source-data-prefix-list list-name
        source-ip prefix/length
        source-port number
      action
        count counter-name
        drop
        accept
          cflowd

apply-policy
  site-list list-name
    data-policy policy-name direction
    cflowd-template template-name
```

Local Internet Exit Command Hierarchy

Configure and apply a centralized data policy on the Cisco vSmart Controller:

```
policy
  lists
    prefix-list list-name
      ip-prefix prefix/length
    site-list list-name
      site-id site-id
    vpn-list list-name
      vpn vpn-id
  cflowd-template template-name
    collector vpn vpn-id address ip-address port port-number
    flow-active-timeout seconds
    flow-inactive-timeout seconds
    template-refresh seconds
```

```
policy
  data-policy policy-name vpn-list list-name
    default-action action
    sequence number
      match
        destination-data-prefix-list list-name
        destination-ip prefix/length
        destination-port number
        dscp number
        protocol number
        source-data-prefix-list list-name
        source-ip prefix/length
        source-port number
      action
        count counter-name
        drop
        accept
          nat use-vpn 0

apply-policy
  site-list list-name
    data-policy policy-name direction
```

Zone-Based Firewalls

```
policy
  lists
    prefix-list list-name
      ip-prefix prefix/length
  tcp-syn-flood-limit number
  zone (destination-zone-name | source-zone-name)
    vpn vpn-id
  zone-to-no-zone-internet (allow | deny)
  zone-pair pair-name
    source-zone source-zone-name
    destination-zone destination-zone-name
    zone-policy policy-name
  zone-based-policy policy-name
    default-action action
    sequence number
      match
        destination-data-prefix-list list-name
        destination-ip prefix/length
        destination-port number
        protocol number
        source-data-prefix-list list-name
        source-ip prefix-length
        source-port number
      action
        drop
        inspect
        log
        pass
```