



PfRv3 Command References

The following tables lists various Cisco IOS commands that are used for PfRv3 along with the command mode from which they are entered.

Table 1: Configuration Commands for PfRv3

| Command mode | Command name | Description |
|--|--|--|
| Interface configuration | bandwidth <i>bandwidth-value</i> | Configures inherited and received bandwidth values for the tunnel interface. The bandwidth value is in kilobits and the valid values are 1 to 10000000. |
| Border configuration | border | Defines a device as a border. |
| Domain master controller configuration | branch-to-branch | Disable branch to branch PfR optimization. This is configured on Branch Masters. Note Configuring the command results in two different behaviors for the different releases. See, PfRv3 Command Reference guide. |
| Configuration | domain <i>domain name</i> | Configures a top level domain for PfRv3. |
| Configuration interface | domain <i>domain name</i> path <i>path-name</i> | Configures a path for the domain for PfRv3. |
| Global configuration | domain <i>domain name</i> path <i>path-name</i> path-id <i>path-id</i> | Configures a path and path-id for a specified domain. |
| Global configuration | domain path <i>isp-name</i> zero-sla | Configures Zero SLA on tunnel interface for an ISP path. |
| Master controller configuration | hub <i>ip-address</i> | Configures an IP address for the hub. |
| Domain class configuration | match { application dscp } | Specifies applications or DSCP policies to be associated with a class. |

| Command mode | Command name | Description |
|---------------------------------|---|--|
| Master controller configuration | master <i>ip-address</i> | Configures an IP address for the master controller. |
| Domain VRF configuration | master { hub branch transit } | Defines a device as a master type. You can configure a master device as a hub, border, or a transit. |
| Domain VRF configuration | master transit <i>pop-id</i> | Configures an ID for the master transit branch. |
| Domain-class configuration | path-preference <i>path-name</i> fallback <i>path-name</i> | Specifies a path preference for a traffic class policy. |
| Master controller class type | priority <i>priority-number</i> [jitter loss one-way-delay] threshold <i>threshold-value</i> | Specifies threshold values for user-defined policies. |
| Domain configuration | vrf <i>vrf-name</i> | Configures a Virtual Routing and Forwarding (VRF) instance for a domain. |

Table 2: Show Commands for PfRv3

| Command mode | Command name | Description |
|-----------------|---|---|
| Privileged EXEC | show domain <i>domain-name</i> border peering | Displays the border router peering status. |
| Privileged EXEC | show domain <i>domain-name</i> border pmi begin prefix-learn | Displays the automatically learned site-prefix status information of the hub-border router. |
| Privileged EXEC | show domain <i>domain-name</i> border status | Displays the status of the border routers configured at the hub site. |
| Privileged EXEC | show domain <i>domain-name</i> border site-prefix | Displays the site-prefix status information of the hub-border router. |
| Privileged EXEC | show domain <i>domain-name</i> border channels | Displays channel information from the hub-border site. |
| Privileged EXEC | show domain <i>domain-name</i> border parent route | Displays the parent route information of a border channel. |
| Privileged EXEC | show domain <i>domain-name</i> border channels parent route | Displays the parent route information of a channel. |
| Privileged EXEC | show domain <i>domain-name</i> master exits | Displays the summary of the external interfaces configured at the hub site. |
| Privileged EXEC | show domain <i>domain-name</i> master peering | Displays the peering information of the hub-master controller. |

| Command mode | Command name | Description |
|-----------------|---|--|
| Privileged EXEC | show domain <i>domain-name</i> master discovered-sites | Displays branch sites that are remotely connected to the hub site. |
| Privileged EXEC | show domain <i>domain-name</i> master site-prefix | Displays the site-prefix status information of the hub- master controller. |
| Privileged EXEC | show platform pfrv3 rp active smart-probe | Displays the PfRv3 smart probe status on a Cisco ASR 1000 Series Aggregation Services Router configured at the hub site. |
| Privileged EXEC | show platform pfrv3 fp active smart-probe | Displays the PfRv3 active smart probes status of a embedded-service-processor on Cisco ASR 1000 Series Aggregation Services Routers. |
| Privileged EXEC | show platform hardware qfp active feature pfrv3 client global pfrv3-instance detail | Displays the platform hardware information on a Cisco ASR 1000 Series Aggregation Services Routers. |
| Privileged EXEC | show flow monitor type performance-monitor | Displays the flow monitor information for passive performance monitoring on the egress interface of WAN. |
| Privileged EXEC | show domain <i>domain-name</i> master traffic-classes summary | Displays the summary information of all the traffic classes. |
| Privileged EXEC | show domain <i>domain-name</i> master traffic-classes | Displays the status information of the traffic class for the hub-master controller. |
| Privileged EXEC | show domain <i>domain-name</i> master traffic-classes policy <i>policy-name</i> | Displays the occurrence of performance issues in a policy traffic class. |
| Privileged EXEC | show domain <i>domain-name</i> master channels | Displays channel information from the hub site. |
| Privileged EXEC | show domain <i>domain-name</i> master channels link-name <i>path-name</i> | Displays channel status information and the unreachable threshold crossing alerts (TCA) and on demand export (ODE) instances on a hub-master controller. |
| Privileged EXEC | show domain <i>domain-name</i> master channels dst-site-id <i>destination-site-id</i> | Displays the details of destination site-ids configured with hub-master controller. |
| Privileged EXEC | show domain <i>domain-name</i> default master site-capability | Displays the capability information of master controller. |

Table 3: Debug Commands for PfRv3

| Command mode | Command name | Description |
|-----------------|--|--|
| Privileged EXEC | debug platform hardware qfp active feature pfrv3 client | Enables PfRv3 Cisco Quantum Flow Processor (QFP) client debug logging. |
| Privileged EXEC | debug platform hardware qfp active feature pfrv3 datapath | Enables PfRv3 Cisco Quantum Flow Processor (QFP) data path debug logging. |
| Privileged EXEC | debug platform hardware qfp active feature pfrv3 pal | Enables debug logging for PfRv3 in the Cisco Quantum Flow Processor (QFP). |
| Privileged EXEC | debug platform software pfrv3 | Enables PfRv3 platform debug commands. |