



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.