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** *bandwidth-value*	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.
Configuration	**domain** *domain name*	Configures a top level domain for PfRv3.
Configuration interface	**domain** *domain name* **path***path-name*	Configures a path for the domain for PfRv3.
Global configuration	**domain** *domain name* **path***path-name* **path-id***path-id*	Configures a path and path-id for a specified domain.
Global configuration	**domain path** *isp-name* **zero-sla**	Configures Zero SLA on tunnel interface for an ISP path.
Master controller configuration	**hub** *ip-address*	Configures an IP address for the hub.
Domain class configuration	**match {application	dscp}**	Specifies applications or DSCP policies to be associated with a class.
Master controller configuration	**master** *ip-address*	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.

Command mode	Command name	Description
Domain VRF configuration	**master transit** *pop-id*	Configures an ID for the master transit branch.
Domain-class configuration	**path-preference** *path-name* **fallback** *path-name*	Specifies a path preference for a traffic class policy.
Master controller class type	**priority** *priority-number* **[jitter | loss | one-way-delay] threshold** *thershold-value*	Specifies threshold values for user-defined policies.
Domain configuration	**vrf** *vrf- name*	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** *domain-name* **border peering**	Displays the border router peering status.
Privileged EXEC	**show domain** *domain-name* **border pmi | begin prefix-learn**	Displays the automatically learned site-prefix status information of the hub-border router.
Privileged EXEC	**show domain** *domain-name* **border status**	Displays the status of the border routers configured at the hub site.
Privileged EXEC	**show domain** *domain-name* **border site-prefix**	Displays the site-prefix status information of the hub- border router.
Privileged EXEC	**show domain** *domain-name* **border channels**	Displays channel information from the hub-border site.
Privileged EXEC	**show domain** *domain-name* **border parent route**	Displays the parent route information of a border channel.
Privileged EXEC	**show domain** *domain-name* **border channels parent route**	Displays the parent route information of a channel.
Privileged EXEC	**show domain** *domain-name* **master exits**	Displays the summary of the external interfaces configured at the hub site.
Privileged EXEC	**show domain** *domain-name* **master peering**	Displays the peering information of the hub-master controller.

Command mode	Command name	Description
Privileged EXEC	**show domain** *domain-name* **master discovered-sites**	Displays branch sites that are remotely connected to the hub site.
Privileged EXEC	**show domain** *domain-name* **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** *domain-name* **master traffic-classes summary**	Displays the summary information of all the traffic classes.
Privileged EXEC	**show domain** *domain-name* **master traffic-classes**	Displays the status information of the traffic class for the hub-master controller.
Privileged EXEC	**show domain** *domain-name* **master traffic-classes policy** *policy-name*	Displays the occurrence of performance issues in a policy traffic class.
Privileged EXEC	**show domain** *domain-name* **master channels**	Displays channel information from the hub site.
Privileged EXEC	**show domain** *domain-name* **master channels link-name** *path-name*	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** *domain-name* **master channels dst-site-id** *destination-site-id*	Displays the details of destination site-ids configured with hub-master controller.
Privileged EXEC	**show domain** *domain-name* **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.