Multicast Commands

This module describes the Cisco IOS XR software commands used to configure the Multicast commands for Broadband Network Gateway (BNG) on the Cisco ASR 9000 Series Router. For details regarding the related configurations, refer to the *Cisco ASR 9000 Series Aggregation Services Router Broadband Network Gateway Configuration Guide*.

To use commands of this module, you must be in a user group associated with a task group that includes appropriate task IDs. If the user group assignment is preventing you from using any command, contact your AAA administrator for assistance.

multicast (BNG)

To configure the mode in which the multicast components will work for subscriber sessions associated with a dynamic template, use the **multicast** command in the dynamic-template configuration mode. To disable this feature, use the **no** form of this command.

multicast [**ipv4**] {**qos-correlation** | **passive**}

qos-correlation	Configures multicast in a IGMP-HQOS correlation mode.
passive	Configures multicast is an passive mode.
ipv4	Optional. Specifies configuration for IPv4 address family.

Command Default None

Command Modes Dynamic template configuration

Command History

Release	Modification
Release 4.2.0	This command was introduced.
Release 6.2.1	The command was extended to IPoE subscribers as well.

Usage Guidelines Use the **dynamic-template type ppp** command to enter dynamic template type ppp configuration mode.

Task ID

Task ID	Operation
multicast	read, write

This is an example of configuring the **multicast** command in the dynamic-template configuration mode for type PPP:

```
RP/0/RSP0/CPU0:router# configure
RP/0/RSP0/CPU0:router(config)# dynamic-template
RP/0/RSP0/CPU0:router(config-dynamic-template)# type ppp foo
RP/0/RSP0/CPU0:router(config-dynamic-template-type)# multicast ipv4 qos-correlation
```

This is an example of enabling IGMP QoS correlation for IPoE subscribers:

```
RP/0/RSP0/CPU0:router# configure
RP/0/RSP0/CPU0:router(config)# dynamic-template
RP/0/RSP0/CPU0:router(config-dynamic-template)# type ipsubscriber foo
RP/0/RSP0/CPU0:router(config-dynamic-template-type)# multicast ipv4 qos-correlation
```

unicast-qos-adjust

To configure the IGMP QOS Shaper for subscriber unicast traffic, use the **unicast-qos-adjust** command in the IGMP configuration mode. To disable this feature, use the **no** form of this command.

unicast-qos-adjust{**adjustment-delay** | **download-interval** | **holdoff**}

Syntax Description		
	adjustment-delay	Configures the time to wait before programming rate in QOS.
	download-interval	Configures the time before downloading a batch of interfaces to QOS.
	holdoff	Configures the hold-off time before QOS clears the stale entries.

Command Default   None

Command Modes   IGMP configuration mode

Command History

Release	Modification
Release 4.2.0	This command was introduced.

Usage Guidelines   Use the **dynamic-template type ppp** command to enter dynamic template type ppp configuration mode.

Task ID

Task ID	Operation
multicast	read, write

This is an example of configuring the **unicast-qos-adjust** command in the IGMP configuration mode:

```
RP/0/RSP0/CPU0:router# configure
RP/0/RSP0/CPU0:router(config)# router igmp
RP/0/RSP0/CPU0:router(config-igmp)# unicast-qos-adjust
```

unicast-qos-adjust