

qos-parameter-define

Syntax [no] qos-parameter-define *qosParameterDefinitionName*
[application *applicationName*] [hierarchical]

Release Information Command introduced in JUNOS Release 7.1.0.

Description Specifies a QoS parameter name and accesses QoS Parameter Definition mode. The **no** version deletes the QoS parameter definition.

- Options**
- *qosParameterDefinitionName*—Name of the parameter definition
 - *applicationName*—Name of the application that you want to associate with the parameter definition:
 - ip-multicast—Specifies the IP multicast bandwidth adjustment application. You must also specify the **hierarchical** keyword when you specify this application.
 - qos-byte-adjustment—Specifies the cell byte-adjustment application, which enables you to adjust the shaping rate to account for different layer 2 encapsulations in ADSL configurations. If you have configured the QoS shaping mode as cell, the system adjusts the shaping rate to account for the ATM cell pad, header, and trailer.
 - qos-frame-byte-adjustment—Specifies the frame byte-adjustment application, which enables you to shape traffic based on frames for VDSL configurations. If you have configured the QoS shaping mode as frame, the system adjusts the shaping rate based on bytes within frames.
 - qos-cell-mode—Specifies the QoS cell mode application, which enables you to configure the operational shaping mode (frame or cell) for ATM, Gigabit Ethernet, or 10-Gigabit Ethernet interfaces.
 - qos-downstream-rate—Specifies the QoS downstream rate application, which enables you to adjust the downstream rate of VLANs and ATM VCs based on parameter instances that are created dynamically by ANCP or AAA. The values of the parameter instances track the bandwidth of the local loop that are communicated by ANCP.
 - hierarchical—Specifies that the parameter instance is hierarchical. Hierarchical parameters have explicit instances that are associated with the logical interfaces of instance-interface types, as well as implicit instances that are associated with the logical interfaces of controlled-interface types. The system computes the values of an implicit instance as the sum of the values of the explicit instances stacked above the implicit instance.

Mode Global Configuration

- Related Topics**
- Configuring a Basic Parameter Definition for QoS Administrators
 - Configuring a Parameter Definition to Calculate Hierarchical Instances
 - Configuring a Parameter Definition for IP Multicast Bandwidth Adjustment
 - Configuring a Parameter Definition to Shape Ethernet Traffic Using Cell Mode
 - Configuring a Parameter Definition to Adjust Cell Shaping Rates for ADSL Traffic
 - Configuring a Parameter Definition to Adjust Frame Shaping Rates for VDSL Traffic
 - Configuring a Parameter Definition for QoS Downstream Rate

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