

Creating Parameter Instances

You can create QoS parameter instances globally, for an interface, or for a subinterface.

Tasks to create parameter instances are:

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- Creating a Parameter Instance for an Interface on page 1
- Creating a Parameter Instance for an ATM VP on page 1
- Creating a Parameter Instance for an S-VLAN on page 2

Creating a Global Parameter Instance

To create a global parameter instance:

- Create a parameter instance in Global Configuration mode.

```
host1(config)#qos-parameter max-subscriber-bandwidth 6000000
```

Creating a Parameter Instance for an Interface

To create a parameter instance for an interface:

1. Specify an interface.

```
host1(config)#interface atm 11/0.1  
host1(config)#interface gigabitEthernet 2/0
```

2. Specify the parameter name and the value.

```
host1(config-subif)#qos-parameter max-subscriber-bandwidth 6000000
```

Creating a Parameter Instance for an ATM VP

Use this procedure to attach a parameter instance to a VP on the interface. Optionally, use the **qos-profile** keyword to attach a parameter instance to a QoS profile.

To create a parameter instance for an ATM VP:

1. Configure the ATM VP.

```
host1(config)#interface atm 2/0  
host1(config-if)#atm vp-tunnel 4
```

2. Do either of the following:

- Attach the parameter instance to an ATM VP on the interface.

```
host1(config-if)#atm-vp 4 qos-parameter max-subscriber-bandwidth 375000
```

- Attach the parameter instance and associate with the QoS profile.

```
host1(config-if)#atm-vp 4 qos-profile video qos-parameter  
max-subscriber-bandwidth 375000
```

Creating a Parameter Instance for an S-VLAN

Use this procedure to attach a parameter instance to a specified S-VLAN ID on the interface. Optionally, use the **qos-profile** keyword to attach a parameter instance to a QoS profile.

To create a parameter instance for an S-VLAN:

1. Specify the Ethernet interface and create the VLAN.

```
host1(config)#interface gigabitEthernet 3/0  
host1(config-if)#encapsulation vlan  
host1(config-if)#interface gigabitEthernet 3/0.1
```

2. Specify the S-VLAN ID.

```
host1(config-if)#svlan id 1 202
```

3. Attach the parameter instance to an S-VLAN ID on the interface.

```
host1(config-if)#svlan 202 qos-parameter max-subscriber-bandwidth 6000000
```

Related Topics

- Parameter Instances for QoS Clients Overview
- For information about creating QoS parameter instances for Service Manager, see *JUNOS Broadband Access Configuration Guide*
- atm-vp qos-parameter
- atm vp-tunnel
- encapsulation vlan
- interface
- qos-parameter
- svlan id
- svlan qos-parameter

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