

## Creating a QoS Parameter on an Interface Superset or Interface Set

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Tasks to create a QoS parameter on an interface superset or an interface set include:

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### Configuring a QoS Parameter Definition for an Interface Superset or an Interface Set

You can configure a parameter definition to recognize an interface superset or an interface set as controlled-interface types and instance interface-types.

Controlled-interface types specify resources that the parameter instance can control. Instance-interface types are the interface types to which the QoS client can apply a parameter instance.

To specify an interface set or an interface superset in a QoS parameter definition:

1. Specify the QoS parameter definition.

```
host1(config)#qos-parameter-define business
```

2. Configure the controlled-interface type and specify the interface set or the interface superset.

```
host1(config-qos-parameter-define)#controlled-interface-type set  
host1(config-qos-parameter-define)#controlled-interface-type superset
```

You can specify up to four controlled-interface types for each parameter definition.

3. Configure the instance-interface type and specify the interface set or the interface superset.

```
host1(config-qos-parameter-define)#instance-interface-type set  
host1(config-qos-parameter-define)#instance-interface-type superset
```

You can specify up to eight instance-interface types for each parameter definition.

### Creating a QoS Parameter Instance for an Interface Superset

To create a QoS parameter instance for an interface superset:

1. Specify the QoS interface superset.

```
host1(config)#qos-interface-superset vlan-superset
```

2. Create the QoS parameter instance.

```
host1(config-qos-interface-superset)#qos-parameter business-data
```

3. Attach the QoS profile.

```
host1(config-qos-interface-superset)#qos-profile vlan
```

### ***Creating a QoS Parameter Instance for an Interface Set***

To create a QoS parameter instance for an interface set:

1. Specify the QoS interface set.

```
host1(config)#qos-interface-set vlan-set
```

2. Create the QoS parameter instance.

```
host1(config-qos-interface-set)#qos-parameter business-data
```

3. Attach the QoS profile.

```
host1(config-qos-interface-set)#qos-profile vlan
```

- Related Topics**
- Monitoring the QoS Profiles Attached to an Interface
  - Monitoring the QoS Scheduler Hierarchy
  - Monitoring Shared Shapers
  - controlled-interface-type
  - instance-interface-type
  - qos-interface-set
  - qos-interface-superset
  - qos-parameter
  - qos-profile

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Published: 2009-09-24