

Configuring Implicit Constituents for Simple or Compound Shared Shaping

There are two types of implicit constituents:

- Simple implicit—Constituents are best-effort node or queues, and all nodes and queues in named traffic-class groups.
- Compound implicit—Constituents are selected automatically by the software. If a node exists in a given traffic-class group, the node is active and the queues stacked above it are inactive constituents.

Before you configure implicit constituents:

- Configure the traffic classes and traffic-class groups.

See [Configuring Traffic Classes That Define Service Levels](#) and [Configuring Traffic-Class Groups That Define Service Levels](#).

To configure implicit constituents:

1. Create the scheduler profile.

```
host1(config)#scheduler-profile implicit
```

2. Configure the shared shaper.

To configure a simple shared shaper:

```
host1(config-scheduler-profile)#shared-shaping-rate 128000 bps
```

To configure a compound shared shaper:

```
host1(config-scheduler-profile)#shared-shaping-rate 128000 burst 32767  
compound
```

3. (Optional) For compound shared shapers, specify the attributes for the constituent.

```
host1(config-scheduler-profile)#shared-shaping-constituent weight 28
```

Including this command does not affect how the system selects the compound implicit constituent. If the command is present for a constituent that was implicitly selected, the software configures that constituent using the strict-priority or weight attributes.

After you configure implicit constituents:

- Configure the scheduler hierarchy with the best-effort nodes and queues.
See [Configuring a QoS Profile](#).

- Related Topics**
- [Constituent Selection for Shared Shaping Overview](#)
 - [Implicit Constituent Selection Overview](#)
 - [scheduler-profile](#)

- shared-shaping-constituent
- shared-shaping-rate

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