

## Configuring Hierarchical CoS for a Subscriber Interface of Aggregated Ethernet Links

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You can configure hierarchical CoS on a subscriber interface with an underlying aggregated Ethernet interface.

You must enable link protection on the aggregated Ethernet interface for hierarchical CoS to operate on these subscriber interfaces.

Before you begin, configure the subscriber interface with aggregated Ethernet:

- For static and dynamic VLAN interfaces, see [Configuring a Static or Dynamic VLAN Subscriber Interface over Aggregated Ethernet](#).
- For static and dynamic IP demux interfaces, see [Configuring a Static or Dynamic IP Demux Subscriber Interface over Aggregated Ethernet](#).

1. Configure hierarchical CoS on the link aggregation (LAG) bundle.
  - a. Specify that you want to access the LAG bundle.

```
user@host# edit interfaces aex
```

- b. Configure the link aggregation (LAG) bundle with hierarchical scheduler mode.

```
[edit interfaces aex]  
user@host# set hierarchical-scheduler
```

2. Configure the aggregated Ethernet options to support the hierarchical CoS parameters.

For the subscriber interface to support static or dynamic hierarchical CoS, all links must operate in link-protect mode.

- a. Specify that you want to configure the aggregated Ethernet options.

```
user@host# edit interfaces aex aggregated-ether-options]
```

- b. Configure the link protection mode.

```
[edit interfaces aex aggregated-ether-options]  
user@host# set link-protection
```

You can now attach static or dynamic traffic shaping and scheduling parameters at the aggregated Ethernet logical interface or its underlying physical interface. See:

- [Configuring Traffic Scheduling and Shaping for Subscriber Access](#)
- [Configuring Schedulers in a Dynamic Profile for Subscriber Access](#)
- [Applying Traffic Shaping and Scheduling to a Subscriber Interface in a Dynamic Profile](#)

- Related Topics**
- For hardware requirements and configuration guidelines, see Guidelines for Configuring Dynamic CoS for Subscriber Access
  - Verifying the Scheduling and Shaping Configuration for Subscriber Access
  - CoS for Subscriber Access Overview

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