

## Configuring Aggregated Ethernet Interfaces (CLI Procedure)

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Use the link aggregation feature to aggregate one or more links to form a virtual link or aggregation group. The MAC client can treat this virtual link as if it were a single link. Link aggregation increases bandwidth, provides graceful degradation as failure occurs, and increases availability.



**NOTE:** An interface with an already configured IP address cannot form part of the aggregation group.

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To configure aggregated Ethernet interfaces, using the CLI:

1. Specify the number of aggregated Ethernet interfaces to be created:

```
[edit chassis]
user@switch#set aggregated-devices device-count 2
```

2. Specify the minimum number of links for the aggregated Ethernet interface (aex), that is, the defined bundle, to be labeled “up”:



**NOTE:** By default only one link must be up for the bundle to be labeled “up”.

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```
[edit interfaces]
user@switch#set ae0 aggregated-ether-options minimum-links 2
```

3. Specify the link speed for the aggregated Ethernet bundle:

```
[edit interfaces]
user@switch#set ae0 aggregated-ether-options link-speed 10g
```

4. Specify the members to be included within the aggregated Ethernet bundle:

```
[edit interfaces]
user@switch#set xe-0/1/0 ether-options 802.ad ae0
user@switch#set xe-1/1/0 ether-options 802.ad ae0
```

5. Specify an interface family for the aggregated Ethernet bundle:

```
[edit interfaces]
user@switch#set ae0 unit 0 family inet address 192.0.2.0/25
```

For information about adding LACP to a LAG, see [Configuring Aggregated Ethernet LACP \(CLI Procedure\)](#).

- Related Topics**
- Configuring Aggregated Ethernet Interfaces (J-Web Procedure)
  - Example: Configuring Aggregated Ethernet High-Speed Uplinks Between a Virtual Chassis Access Switch and a Virtual Chassis Distribution Switch
  - Example: Configuring Aggregated Ethernet High-Speed Uplinks with LACP Between a Virtual Chassis Access Switch and a Virtual Chassis Distribution Switch
  - Verifying the Status of a LAG Interface
  - Understanding Aggregated Ethernet Interfaces and LACP

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