

## Configuring Aggregated Ethernet LACP (CLI Procedure)

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For aggregated Ethernet interfaces on EX-series switches, you can configure the Link Aggregation Control Protocol (LACP). LACP is one method of bundling several physical interfaces to form one logical interface. You can configure aggregated Ethernet with or without LACP enabled.

Before you configure LACP, be sure you have:

- Configured the aggregated Ethernet bundles—also known as link aggregation groups (LAGs). See [Configuring Aggregated Ethernet Interfaces \(CLI Procedure\)](#)

When LACP is enabled, the local and remote sides of the aggregated Ethernet links exchange protocol data units (PDUs), containing information about the state of the link. You can configure Ethernet links to actively transmit PDUs, or you can configure the links to passively transmit them, sending out LACP PDUs only when they receive them from another link. One side of the link must be configured as **active** for the link to be up.



**NOTE:** Do not add LACP to a LAG if the remote end of the LAG is a security device, unless the security device supports LACP. Security devices often do not support LACP because they require a deterministic configuration.

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To configure LACP:

1. Enable one side of the aggregated Ethernet link as active:

```
[edit interfaces]
user@switch# set aex aggregated-ether-options lacp active
```

2. Specify the interval at which the interfaces send LACP packets:

```
[edit interfaces]
user@switch# set aex aggregated-ether-options lacp periodic fast
```

### Related Topics

- [Configuring Aggregated Ethernet Interfaces \(CLI Procedure\)](#)
- [Configuring Aggregated Ethernet Interfaces \(J-Web Procedure\)](#)
- [Example: Configuring Aggregated Ethernet High-Speed Uplinks with LACP Between a Virtual Chassis Access Switch and a Virtual Chassis Distribution Switch](#)
- [Example: Configuring Aggregated Ethernet High-Speed Uplinks 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](#)