

Configuring Aggregated Ethernet Interfaces (J-Web Procedure)

Use the link aggregation feature to aggregate one or more Ethernet interfaces to form a virtual link or link aggregation group (LAG). 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: Interfaces that are already configured with MTU, duplex, flow control, or logical interfaces are not available for aggregation.

To configure an aggregated Ethernet interface (also referred to as LAG):

1. From the Configure menu, select **Interfaces > Link Aggregation**.

The list of aggregated interfaces is displayed.

2. Click one of the following:
 - **Add**—Creates an aggregated Ethernet interface, or LAG. Enter information as specified in Table 1.
 - **Edit**—Modifies an selected LAG.
 - **Aggregation**—Modifies settings for the selected LAG. Enter information as specified in Table 1
 - **VLAN**—Specifies VLAN options for the selected LAG. Enter information as specified in Table 2.
 - **Delete**—Deletes the selected LAG.
 - **Disable Port** or **Enable Port**—Disables or enables the administrative status on the selected interface.

Table 1: Aggregated Ethernet Interface Options

Field	Function	Your Action
Aggregated Interface	Specifies the name of the aggregated interface.	None. The name is supplied by the software.
LACP Mode	Specifies the mode in which LACP packets are exchanged between the interfaces. The modes are: <ul style="list-style-type: none">■ None—Indicates that no mode is applicable.■ Active—Indicates that the interface initiates transmission of LACP packets■ Passive—Indicates that the interface responds only to LACP packets.	Select from the list.

Table 1: Aggregated Ethernet Interface Options *(continued)*

Field	Function	Your Action
Description	Specifies a description for the LAG.	Enter a description.
Interface	Specifies the interfaces in the LAG.	<ol style="list-style-type: none"> 1. Click Add to select the interfaces. 2. Select an interface and click Remove to remove from the list. <p>NOTE: Only interfaces that are configured with the same speed can be selected together for a LAG.</p>
Enable Log	Specifies whether to enable generation of log entries for the LAG.	Select the check box to enable log generation, or clear the check box to disable log generation.

Table 2: VLAN Options

Field	Function	Your Action
Port Mode	Specifies the mode of operation for the port: trunk or access.	<p>If you select Trunk, you can:</p> <ol style="list-style-type: none"> 1. Click Add to add a VLAN member. 2. Select the VLAN and click OK. 3. (Optional) Associate a native VLAN ID with the port. <p>If you select Access, you can:</p> <ol style="list-style-type: none"> 1. Select the VLAN member to be associated with the port. 2. (Optional) Associate a VoIP VLAN with the interface. Only a VLAN with a VLAN ID can be associated as a VoIP VLAN. <p>Click OK.</p>

- Related Topics**
- Configuring Aggregated Ethernet Interfaces (CLI Procedure)
 - Verifying the Status of a LAG Interface
 - Understanding Aggregated Ethernet Interfaces and LACP
 - Configuring Aggregated Ethernet LACP (CLI 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

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