
Configure Aggregated Ethernet Interfaces in Concerto

 For supported software information, click [here](#).

You can configure aggregated Ethernet interfaces on an appliance. An aggregated Ethernet interface comprises two or more Ethernet interfaces that act as one virtual interface. An aggregated Ethernet interface can increase overall throughput and provide redundancy in case one of the links fails.

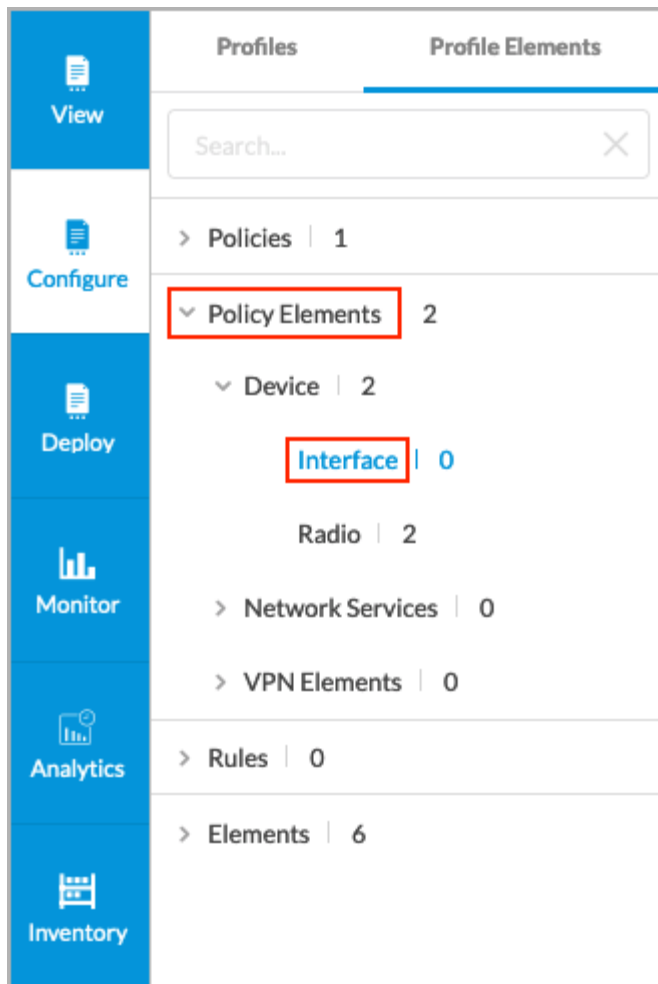
Aggregated Ethernet interfaces are labeled as *ae*.

You can control the bundling of several physical links to form a single logical link using the Link Aggregation Control Protocol (LACP). LACP allows a network device to negotiate an automatic bundling of links by sending LACP packets to their peer, a directly connected device that also implements LACP. LACP operates in one of two modes:

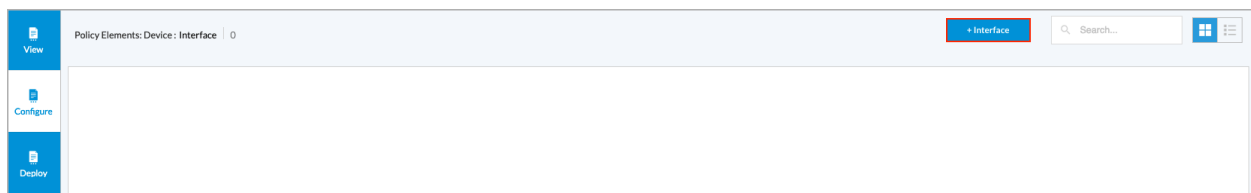
- Active—Enable LACP unconditionally.
- Passive—Enable LACP only when an LACP device is detected.

To configure an aggregated Ethernet interface on an existing appliance:

1. In Tenant view, go to Configure > Profile Elements > Policy Elements > Device > Interface.



2. Click + Interface in the Interface screen.



3. In the Create Interface screen, under the General tab, enter information for the following fields.

Create Interface

V1

General

Address and Routing

QoS

Permissions

Name

AE-1

Version 1

Description

Type

Physical

Virtual

Enabled

Category

LAN

Sub Category

AE

Location

ae1

VLAN ID

2

LACP

Mode

Active

Passive

Priority

127

Periodic

Slow

Fast

Maximum Links	Member Ports
16	

Link

Speed	Mode	MTU
Auto	AUTO_DUPLEX	72-9000

Tags

Press Enter to add

Cancel Next

Field	Description
Name	Enter a name for the aggregated Ethernet interface.
Type	Select Physical as the interface type.
Enabled	Click the slide bar to Enabled to enable the interface.
Category	Select the category: <ul style="list-style-type: none"> LAN Subtenant LAN
Subcategory	Select AE. To create subinterfaces, select AE Subinterface.
Location	Select an AE interface.
VLAN ID	(Optional.) Enter a VLAN ID. <i>Range:</i> 0 through 4094; for Layer 2 interfaces, the range is 1 through 4094. <i>Default:</i> None
Subtenant	For the subtenant LAN category, select a subtenant.

Field	Description
LACP (Group of Fields)	For the LAN interfaces category.
<ul style="list-style-type: none">Mode	<p>Click the slider bar to select the LACP) mode:</p> <ul style="list-style-type: none">Active—Interface actively transmits LACP PDUs on the configured links.Passive—Interface does not actively transmit LACP PDUs, but does send LACP PDUs when it receives LACP PDUs from an active interface.
<ul style="list-style-type: none">Priority	<p>Enter an LACP priority number.</p> <p><i>Range:</i> 1 through 65535</p> <p><i>Default:</i> 127</p>
<ul style="list-style-type: none">Periodic	<p>Click the slider bar to select how often to send LACP PDUs:</p> <ul style="list-style-type: none">Fast—Send LACP PDUs every second.Slow—Send LACP PDUs every 30 seconds.
<ul style="list-style-type: none">Maximum Links	<p>Enter the maximum number of Ethernet links in the aggregated Ethernet interface.</p> <p><i>Range:</i> 1 through 16</p> <p><i>Default:</i> 16</p>
<ul style="list-style-type: none">Member Ports	Select the member ports in the aggregated Ethernet interface.
Link (Group of Fields)	<div><div>Link</div><div><div>Speed</div><div>Mode</div><div>Auto</div><div>AUTO_DUPLEX</div></div></div>
<ul style="list-style-type: none">Speed	Select the link speed:

Field	Description
	<ul style="list-style-type: none"> ◦ Auto ◦ 10 Mbps ◦ 100 Mbps ◦ 1 Gbps ◦ 10 Gbps ◦ 40 Gbps ◦ 100 Gbps
<ul style="list-style-type: none"> ◦ Mode 	Select the link mode: <ul style="list-style-type: none"> ◦ Auto Duplex ◦ Half Duplex ◦ Full Duplex
<ul style="list-style-type: none"> ◦ MTU 	Enter the maximum transmission unit (MTU) for the link. <i>Range:</i> 72 through 9000 <i>Default:</i> None
Tags	(Optional.) Enter one or more tags. A tag is an alphanumeric text descriptor with no spaces or special characters. You can specify multiple tags added for the same object. The tags are used for searching the objects.

4. Click Next, or click the Permissions tab and revise the permissions as desired.
5. Click Save.

Supported Software Information

Releases 11.1.1 and later support all content described in this article.

Additional Information

[Concerto Deploy Lifecycle Overview](#)