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Link Aggregation of Cisco 8000 Series Secure Routers using Cisco Meraki Dashboard

Feature history of link aggregation of Cisco Secure Routers

Table 1: Feature history table

Feature Name	Release	Description
Link Aggregation of Cisco Secure Routers	Cisco IOS XE 26.2.1 Release	From this release, Cisco 8000 Series Secure Routers can be configured for LACP feature using Cisco Meraki Dashboard.

Link aggregation of Cisco Secure Routers

LACP combines multiple physical network links into one logical link, also known as an EtherChannel or port channel. LACP aggregates two or more L3 LAN ports into a single logical port-channel. The aggregated port can be configured as an L3 main interface or an L3 sub-interface. Link negotiation can be configured on the aggregated port.

Prerequisites for link aggregation of Cisco Secure Routers

- The member ports must be L3 LAN ports.
- At least two ports are required.
- All member ports must have the same speed.
- The peer device must be configured for a compatible LACP EtherChannel mode when a peer-side configuration is required.

Restrictions for link aggregation of Cisco Secure Routers

- A maximum of eight ports can be included in a port-channel.
- Ports of different speeds cannot be aggregated.
- L2 LACP is not supported.
- WAN-side LACP is not supported.
- SGT cannot be configured on the aggregated port.
- IPoE cannot be configured on the aggregated port.
- Egress QoS is not supported.

Configure link aggregation of Cisco Secure Routers

Choose one of the options to configure LACP:

- LACP configurations on Cisco Meraki Dashboard

• LACP configurations on Cisco Secure Routers

Configure LACP from the Cisco Meraki Dashboard

For information on Cisco Meraki documentation, refer to Link Aggregation and Load Balancing.

Step 1 From the Cisco Meraki Dashboard, navigate to **Security & SD-WAN** > **Appliance status**.

Step 2 Click **Ports**.

The Ports tab can be used to monitor the status of all ports.

Step 3 Click the Number (#) of the LAN port you want to configure.

Step 4 In LAN Port configuration, click **Edit** in the top right corner to change the configuration.

Step 5 From the Edit Port window, change the configuration of the port or assign a profile.

Step 6 Click **Save**.

The Ports tab will reflect the newly assigned settings.

LACP configurations on Cisco Secure Routers

Note

The router configurations are not manually set on the router, instead, all the configurations are automatically pushed from the Cisco Meraki cloud.

LACP channel-group using active mode

```
interface Port-channel1
 ip address 10.1.1.1 255.255.255.0
interface GigabitEthernet0/0/0
channel-group 1 mode active
interface GigabitEthernet0/0/1
channel-group 1 mode active
```