



Configuring LAN Pin Groups

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LAN Pin Groups

Cisco UCS uses LAN pin groups to pin Ethernet traffic from a vNIC on a server to an uplink Ethernet port or port channel on the fabric interconnect. You can use this pinning to manage the distribution of traffic from the servers.

To configure pinning for a server, you must include the LAN pin group in a vNIC policy. The vNIC policy is then included in the service profile assigned to that server. All traffic from the vNIC travels through the I/O module to the specified uplink Ethernet port.



Note

If you do not assign a pin group to a server interface through a vNIC policy, Cisco UCS Manager chooses an uplink Ethernet port or port channel for traffic from that server interface dynamically. This choice is not permanent. A different uplink Ethernet port or port channel may be used for traffic from that server interface after an interface flap or a server reboot.

If an uplink is part of a LAN pin group, the uplink is not necessarily reserved for only that LAN pin group. Other vNIC's policies that do not specify a LAN pin group can use the uplink as a dynamic uplink.

Creating a LAN Pin Group

In a system with two fabric interconnects, you can associate the pin group with only one fabric interconnect or with both fabric interconnects.

Before You Begin

Configure the ports and port channels with which you want to configure the pin group. You can only include ports and port channels configured as uplink ports in a LAN pin group.

Procedure

- Step 1** In the **Navigation** pane, click the **LAN** tab.
- Step 2** On the **LAN** tab, expand **LAN > LAN Cloud**.
- Step 3** Right-click **LAN Pin Groups** and select **Create LAN Pin Group**.
- Step 4** In the **Create LAN Pin Group** dialog box, enter a unique name and description for the pin group.
- Step 5** To pin traffic for fabric interconnect A, do the following in the **Targets** area:
- Check the **Fabric Interconnect A** check box.
 - Click the drop-down arrow on the **Interface** field and navigate through the tree-style browser to select the port or port channel you want to associate with the pin group.
- Step 6** To pin traffic for fabric interconnect B, do the following in the **Targets** area:
- Check the **Fabric Interconnect B** check box.
 - Click the drop-down arrow on the **Interface** field and navigate through the tree-style browser to select the port or port channel you want to associate with the pin group.
- Step 7** Click **OK**.
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What to Do Next

Include the pin group in a vNIC template.

Deleting a LAN Pin Group

Procedure

- Step 1** In the **Navigation** pane, click the **LAN** tab.
- Step 2** In the **LAN** tab, expand **LAN > LAN Cloud > LAN Pin Groups**.
- Step 3** Right-click the LAN pin group you want to delete and select **Delete**.
- Step 4** If the Cisco UCS Manager GUI displays a confirmation dialog box, click **Yes**.
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