



Configuring SAN Pin Groups

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SAN Pin Groups

Cisco UCS uses SAN pin groups to pin Fibre Channel traffic from a vHBA on a server to an uplink Fibre Channel port 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 SAN pin group in a vHBA policy. The vHBA policy is then included in the service profile assigned to that server. All traffic from the vHBA will travel through the I/O module to the specified uplink Fibre Channel port.

You can assign the same pin group to multiple vHBA policies. As a result, you do not need to manually pin the traffic for each vHBA.



Important

Changing the target interface for an existing SAN pin group disrupts traffic for all vHBAs which use that pin group. The fabric interconnect performs a log in and log out for the Fibre Channel protocols to re-pin the traffic.

Configuring a Fibre Channel 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.

Procedure

	Command or Action	Purpose
Step 1	UCS-A# scope fc-uplink	Enters Fibre Channel uplink mode.

	Command or Action	Purpose
Step 2	UCS-A /fc-uplink # create pin-group <i>pin-group-name</i>	Creates a Fibre Channel pin group with the specified name, and enters Fibre Channel uplink pin group mode.
Step 3	UCS-A /fc-uplink/pin-group # set descr <i>description</i>	(Optional) Provides a description for the pin group. Note If your description includes spaces, special characters, or punctuation, you must begin and end your description with quotation marks. The quotation marks will not appear in the description field of any show command output.
Step 4	UCS-A /fc-uplink/pin-group # set target {a b dual} port <i>slot-num / port-num</i>	(Optional) Sets the Fibre Channel pin target to the specified fabric and port.

The following example creates a Fibre Channel pin group named fcpingroup12, provides a description for the pin group, and sets the pin group target to slot 2, port 1.

```
UCS-A# scope fc-uplink
UCS-A /fc-uplink # create pin-group fcpingroup12
UCS-A /fc-uplink/pin-group* # set descr "This is my pin group #12"
UCS-A /fc-uplink/pin-group* # set target a port 2/1
```

What to Do Next

Include the pin group in a vHBA template.