



## Configuring SAN Pin Groups

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This chapter includes the following sections:

- [SAN Pin Groups, page 1](#)
- [Configuring a Fibre Channel Pin Group, page 1](#)

### 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.



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**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.

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### 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
<b>Step 1</b>	UCS-A# <b>scope fc-uplink</b>	Enters Fibre Channel uplink mode.
<b>Step 2</b>	UCS-A /fc-uplink # <b>create pin-group</b> <i>pin-group-name</i>	Creates a Fibre Channel pin group with the specified name, and enters Fibre Channel uplink pin group mode.
<b>Step 3</b>	UCS-A /fc-uplink/pin-group # <b>set descr</b> <i>description</i>	(Optional) Provides a description for the pin group.  <b>Note</b> 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 <b>show</b> command output.
<b>Step 4</b>	UCS-A /fc-uplink/pin-group # <b>set target</b> { <b>a</b>   <b>b</b>   <b>dual</b> } <b>port</b> <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, sets the pin group target to slot 2, port 1, and commits the transaction:

```
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.