



CHAPTER 8

Host Access Configuration

When you click the **Configure Host Access** button in the navigation pane, you are taken to the Configure Fibre page. The navigation bar across the top contains links to this section's subpages.

- **Fibre** links to [Configure Fibre Channel Host Access](#)
- **Groups** links to [Manage Host Groups](#)
- **Hosts** links to [Manage Hosts](#)
- **Access** links to [Host Access](#)



Note

On units configured for SAS-to-Host, the **Fibre** tab is replaced by a **SAS** tab, which links to Configure SAS Host Access.



Note

SAS drives are not supported with the Cisco Video Surveillance Storage System. iSCSI is supported on Cisco Video Surveillance Systems (VSM) deployed as a Virtual Machine for VSM releases 7.2 or higher.



Note

On units configured for 10Gb Ethernet iSCSI, the **Fibre** tab is replaced by a **10Ge** tab which links to Configure 10GbE iSCSI Host Access.

Configure Fibre Channel Host Access

Clicking **Configure Host Access** takes you to the Configure Fibre page, which allows you to change settings for each Fibre Channel host port on each RAID Controller.

OnCPS-SS-4RU units, the current status is shown in the **Current status** row.

The information is arranged by Controller and then by host port:

- **Current Status:** On CPS-SS-4RU units, lists the link status (up or down), link speed, and topology.
- **Topology:** The Fibre Channel topology, either Loop or Point-to-Point. Select **Loop**, **Point-to-point**, or **AUTO** (the default).
- **Loop ID:** The loop address if the port is in loop mode. Select an ID number from **0** to **126**, or **AUTO** (the default).
- **Link speed:** The Fibre Channel link speed in gigabits per second (Gb/s). Select **2Gbit**, **4Gbit**, **8Gbit**, or **AUTO** (the default).

- **Frame size:** The data payload size of each packet. Select **512**, **1024**, **2048** (the default), or **2112**.
- **Host port cleanup:** This option is only used in full-fabric topologies where RSCN notification is enabled on the connected Fibre switch. Select **No** if you are not using a full-fabric topology or if RSCN notification is disabled. Select **Yes** if you are using a full-fabric topology with RSCN notification.



Note RSCN notification is a switch function which can inform other devices on the FC fabric that a host has been disconnected without logging off. When **Yes** is selected for this setting, the Cisco storage unit registers with the switch to receive RSCN notifications; upon being notified that a host has disconnected, it immediately logs that host off and updates the status of the host to indicate that it is offline. When **No** is selected, the Cisco Video Surveillance Storage System unit receives no notification of hosts that go offline without logging off; disconnected hosts can still show as being connected to the Cisco storage unit.

When you have selected the desired new settings, do one of the following:

- Click **Save Configuration**. The settings are saved and are applied after the system is restarted (see [Reboot System, page 10-3](#)).
- Click **Save and Apply Changes**. The settings are saved and applied immediately.



Note If at any time you wish to return the Configure Fibre page to its initial state, click **Reset**.

Manage Host Groups

Clicking **Configure Host Access > Groups** takes you to the Manage Groups page, which allows you to create access control groups. Access control groups provide a set of hosts with common access rights.

To add an access control group, do the following:

-
- Step 1** Click the **Add Group** button.
The new group is displayed as a new line in the group list.
 - Step 2** Under **Group Name**, edit the default name if you wish, then press **Apply changes**.
 - Step 3** To add hosts to the list, click the **Edit hosts** link.
A list of hosts is displayed.
 - Step 4** For each host you want to include in the group, click the **Include** check box.
 - Step 5** Click **Apply changes**.
A message is displayed, informing you that the host group settings have been updated.
 - Step 6** Click the **Back** button to return to the Manage Groups page.
-



Note If at any time you wish to return the Manage Groups page to its initial state, click **Reset**.

Manage Hosts

Clicking **Configure Host Access > Hosts** takes you to the Manage Hosts page, which lets you add, rename, remove, and configure settings for host groups and individual hosts.

- The **Host Name** field, which defaults to the host's address, can be edited to give the host a "friendly" name.
- The **Remove** check box can be checked to remove unconnected hosts (designated by a gray icon under Type) that are no longer relevant.

After changing the **Host Name** or checking a **Remove** check box, click **Apply changes**.

Further information about each host is available by clicking the **Details** link. **Group Membership** can be changed by clicking a button next to a group name and clicking **Apply changes**.



Note

If at any time you wish to return the Manage Hosts page to its initial state, click **Reset**.

Host Access

Clicking **Configure Host Access > Access** takes you to the Host Access page, which lets you configure volume access to specific hosts. It also lets you set the defaults for group host access and all host access.

The host access links are arranged in order, starting with Default Access, then each Group and its hosts, and then any hosts that are not in a group.

The Default Access setting controls access by new or unknown hosts. The Group Default setting applies to host groups and overrides the Default Access setting. If you click the **Access** link for Default Access or for Group Default under a group name, you are presented with three columns for each volume on the unit: **Deny**, **Read**, and **R/W**.

Settings for individual hosts override the Default Access and Group Default settings. Each **Access** link takes you to the host access configuration page for that host or category. If you click the **Access** link for a specific host, you are presented with four columns for each volume on the unit: **Default**, **Deny**, **Read**, and **R/W**.

To change host access settings, do the following:

-
- Step 1** For each listed Volume, select **Default** (for a specific host), **Deny**, **Read**, or **R/W** access.
- Step 2** When you have set the desired access privilege for the host or the desired default access privilege, click **Apply Changes**.
- A message is displayed, informing you that the settings have been updated.
- Step 3** Click the **Back** button to return to the Host Access page.
-



Note

If at any time you wish to return the Host Access page to its initial state, click **Reset**.
