

Configuring SAN Host Path Redundancy, Release 4.2.1

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New and changed information

The following table provides an overview of the significant changes up to this current release. The table does not provide an exhaustive list of all changes or of the new features up to this release.

Release Version	Feature	Description
Nexus Dashboard 4.2.1	There were no major changes from the previous release.	

Host Path Redundancy

The **SAN Host Path Redundancy** check enables you to view the non-redundant host storage paths. It helps you identify the host enclosure errors along with the resolution to fix the errors.



All fabrics that are discovered must be licensed or this feature will be disabled in the Cisco Nexus Dashboard Web Client. When the feature is disabled, a notification is displayed stating unlicensed fabrics are discovered.
Host Path Redundancy determines that the ports are part of the same enclosure by using the enclosure name displayed in Nexus Dashboard. If the enclosure names are not exactly the same, then they will be viewed as separate devices. When the names are not exactly the same, the user must manually change the names in the edit enclosure dialog in Nexus Dashboard, in order for Host Path Redundancy and other features to consider them the same device.

Choose **Analyze > Host Path Redundancy**.

Diagnostic Test

1. Choose **Analyze > Host Path Redundancy > Diagnostic Test**.
2. Under the **Diagnostic Test** tab, use the check boxes to select the host redundancy optional checks.
3. Check the **Automatically run tests every 24 hours** check box to enable periodic running of the checker. The checker will run every 24 hours starting 10 minutes after the server starts.
4. Check **Limit by VSANs** check box, and select*inclusion* or **exclusion**. Enter VSAN or VSAN range in the text field to include or skip the host enclosures that belong to VSANs from the redundancy check.
5. Check other optional checks to perform the relevant check.
6. Click **Clear Results** to clear all the errors displayed.
7. Click **Run Tests Now** to run the check at anytime.
8. The results are displayed in the relevant tabs that are next to the **Diagnostic Test** tab.

Hostpath Errors

Choose **Analyze > Host Path Redundancy > Hostpath Errors** tab to display the host path redundancy errors table. The top of the table displays the colored **Good**, **Errored**, and **Skipped** host enclosure counts.

The following table describes the fields that appear on **Analyze > Host Path Redundancy > Hostpath Errors**.

Field	Description
Host Enclosure	Specifies the hosts that contain the errors. These are counts of each path in the host enclosures seeing an error.
Storage Enclosure	Specifies the connected storage that is encountering the error.
Description	Specifies the description of the error.
Fix	Specifies a solution to fix the error. Point to the error to view a solution to fix the error.
First Seen	Specifies when the error was first seen.

The following table describes the action items, in the **Actions** menu drop-down list, that appear on **Analyze > Host Path Redundancy > Hostpath Errors**.

Action Item	Description
Ignore Host	Select a row from the table and choose **Ignore Host** to add the selected rows host enclosure to an exclusion list. The errors from that host will no longer be reported and the current errors will be purged from the database.
Ignore Storage	Select a row from the table and choose **Ignore Storage** to add the selected rows storage enclosure to an exclusion list.
Ignore Host Storage Pair	Select a row from the table and choose **Ignore Host Storage Pair** to add the selected rows host-storage pair enclosure to an exclusion list.
Clear Results	Select a row from the table and choose **Clear Results** to clear the results.

Ignored Host

Choose **Analyze > Host Path Redundancy > Ignored Host** tab to display the list of host enclosures that have been skipped or ignored by the redundancy check along with the reason for skipping.

The following table describes the fields that appear on **Analyze > Host Path Redundancy > Ignored Host**. Select a host enclosure and click **Unignore** to remove the host from the ignored list and begin receiving errors about the host you had chosen to ignore.

Field	Description
Host Enclosure	Specifies the hosts that contain the errors.
Ignore Reason	Specifies the reason for which the host was ignored.The following reasons may be displayed: · **Skipped: Enclosure has only one HBA.** · **Host was ignored by the user.** · **Host ports managed by more than one federated servers. Check can't be run.** · **Skipped: No path to storage found.**

Ignored Storage

Choose **Analyze > Host Path Redundancy > Ignored Storage** tab to display the list of storage enclosures that have been selected to be ignored during the redundancy check.

The following table describes the fields that appear on **Analyze > Host Path Redundancy > Ignored Storage**. Select a storage enclosure and click **Unignore** to remove the storage from the ignored list and begin receiving errors about the storage you had chosen to ignore.

Field	Description
Storage Enclosure	Specifies the connected storage that is encountering the error.
Ignore Reason	Specifies the reason for which the storage was ignored.

Ignored Host Storage Pair

Choose **Analyze > Host Path Redundancy > Ignored Host Storage Pair** tab to display the list of host-storage pairs that have been selected to be ignored during the redundancy check.

The following table describes the fields that appear on **Analyze > Host Path Redundancy > Ignored Host Storage Pair**. Select a row and click **Unignore** to remove the host-storage pair from the ignored list.

Field	Description
Host Enclosure	Specifies the hosts that contain the errors.
Storage Enclosure	Specifies the connected storage that is encountering the error.
Ignore Reason	Specifies the reason for which the storage was ignored.

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