



Add SAN Devices, Release 12.1.3

Table of Contents

New and Changed Information.....	1
Devices	2
Enclosures	3
Inventory	3
Inventory - Host Enclosures	3
Inventory - Storage Enclosures	4
Performance	6
Performance - Host Enclosures	6
Performance - Storage Enclosures.....	6
Enclosure Members	7
Copyright	8

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
NDFC release 12.1.3	Reorganized content	Content within this document was originally provided in the <i>Cisco NDFC-Fabric Controller Configuration Guide</i> or the <i>Cisco NDFC-SAN Controller Configuration Guide</i> . Beginning with release 12.1.3, this content is now provided solely in this document and is no longer provided in those documents.

Devices

Choose **SAN > End Devices > Devices** tab to display the list of host and storage devices.

The following table describes the fields that appear on **SAN > End Devices > Devices**.

Use the **Show last day** menu drop-down list to filter the view by **Day**, **Week**, **Month**, and **Year**.

Use the **Show Host Ports** menu drop-down list to filter the view by **Host Ports** and **Storage Ports**.

Field	Description
Fabric	Specifies the fabric name. Click the fabric name to display the fabric status on the right-side of the page. Click the Launch icon on the top-right side of the pane to see Fabric Overview. For information on Fabric Overview, see .
Enclosure Name	Specifies the enclosure name.
Device Alias	Specifies the device alias. Click the chart icon in the Device Alias column to view a graph of the traffic on that device according to the selected timeline. You can filter the data using the Day , Week , Month , and Year options.
FCID	Specifies the associated FCID.
Switch interface	Specifies the switch interface.
Rx/Tx	
Avg	Specifies the average receiving or transmitting speed.
Avg %	Specifies the average percentage of receiving or transmitting speed.
Peak	Specifies the peak utilization of the receiving or transmitting speed.
Peak %	Specifies the peak utilization percentage of the receiving or transmitting speed.
Errors/Discards	In Avg
Specified the average of incoming errors or discards.	Out Avg
Specified the average of outgoing errors or discards.	In Peak
Specified the peak of incoming errors or discards.	Out Peak

Enclosures

Choose **SAN > End Devices > Enclosures** tab to display the host and storage enclosures.

Cisco Nexus Dashboard Fabric Controller extends the fabric visibility up to the server and allows you to discover and search the end devices, SAN Storage Enclosures, and Storage Systems that are attached to the network.

Click an enclosure name in the table to view more information about the enclosure.

Inventory

Choose **SAN > End Devices > Enclosures> Inventory > Host Enclosures** tab to display the host and storage inventory enclosures.

Inventory - Host Enclosures

The following table describes the fields that appear on **SAN > End Devices > Enclosures> Inventory > Host Enclosures**.

Field	Description
Enclosure	Specifies the enclosure name. Click the enclosure name for more information.
OS	Specifies the OS details.
IP Address	Specifies the IP address of the switch.
WWNs	Specifies the number of World Wide Names (WWNs).

The following table describes the action items, in the **Actions** menu drop-down list, that appear on **SAN > End Devices > Enclosures> Inventory > Host Enclosures**.

Action Item	Description
Edit	Select an enclosure from the table and choose Edit to update the enclosure information.
Change to Storage Enclosure	Select an enclosure from the table and choose Change to Storage Enclosure to change the selected enclosure to storage enclosure.
Import	Allows you to import enclosures data.
Export	Allows you to export host and storage enclosures data in your inventory to your local directory in .txt file format.

Importing or Exporting Inventory Enclosures Data

From Release 12.1.2e, you can import and export enclosures data to a .txt file. This feature allows you to edit the exported file, and import the data to NDFC. You can either choose to export **All** or **Only Host Enclosures** or **Only Storage Enclosures** data. You can also choose one Fabric or All fabrics' data while exporting.

To export Inventory Enclosures data, perform the following steps:

1. On either **Host Enclosures** or **Storage Enclosures** tab, from the Actions drop-down list, select **Export**.
2. Select the enclosures to export data. You can choose **All** or **Only Host Enclosures** or **Only Storage Enclosures**.
3. In the Exported File Name field, provide the name of the exported file.



The export file is of **.txt** format only.

4. From **Fabric scope** drop-down list, choose **All Fabrics** or specific Fabric from which you must export enclosures data.
5. Click **Export** to download the enclosures data.

Save the exported file to a local directory.

To import Inventory Enclosures data, perform the following steps:

1. On either **Host Enclosures** or **Storage Enclosures** tab, from the Actions drop-down list, select **Import**.
2. Upload the data file from your local directory. You can either drag and drop the file, or browse to upload the data file.



You can import data from **.txt** file format only.

The uploaded file appears in the Import Enclosures area.

3. Click **OK** to import the enclosures data. Click **Cancel** the discard.

Inventory - Storage Enclosures

The following table describes the fields that appear on **SAN > End Devices > Enclosures> Inventory > Storage Enclosures**.

Field	Description
Enclosure	Specifies the enclosure name. Click the enclosure name for more information.
IP Address	Specifies the IP address of the switch.
WWNs	Specifies the number of World Wide Names (WWNs).

The following table describes the action items, in the **Actions** menu drop-down list, that appear on **SAN > End Devices > Enclosures> Inventory > Storage Enclosures**.

Action Item	Description
Edit	Select an enclosure from the table and choose Edit to update the enclosure information.
Change to Host Enclosure	Select an enclosure from the table and choose Change to Host Enclosure to change the selected enclosure to host enclosure.
Import	Allows you to import enclosures data.
Export	Allows you to export host and storage enclosures data in your inventory to your local directory in .txt file format.

Importing or Exporting Inventory Enclosures data

From Release 12.1.2e, you can import and export enclosures data to a **.txt** file. This feature allows you to edit the exported file, and import the data to NDFC. You can either choose to export **All** or **Only Host Enclosures** or **Only Storage Enclosures** data. You can also choose one Fabric or All fabrics' data while exporting.

To export Inventory Enclosures data, perform the following steps:

1. On either **Host Enclosures** or **Storage Enclosures** tab, from the Actions drop-down list, select **Export**.
2. Select the enclosures to export data. You can choose **All** or **Only Host Enclosures** or **Only Storage Enclosures**.
3. In the Exported File Name field, provide the name of the exported file.



The export file is of **.txt** format only.

4. From **Fabric scope** drop-down list, choose **All Fabrics** or specific Fabric from which you must export enclosures data.
5. Click **Export** to download the enclosures data.

Save the exported file to a local directory.

To import Inventory Enclosures data, perform the following steps:

1. On either **Host Enclosures** or **Storage Enclosures** tab, from the Actions drop-down list, select **Import**.
2. Upload the data file from your local directory. You can either drag and drop the file, or browse to upload the data file.



You can import data from **.txt** file format only.

The uploaded file appears in the Import Enclosures area.

3. Click **OK** to import the enclosures data. Click **Cancel** the discard.

Performance

Choose **SAN > End Devices > Enclosures> Performance > Host Enclosures** tab to display the host and storage performance enclosures.

Performance - Host Enclosures

The following table describes the fields that appear on **SAN > End Devices > Enclosures > Performance > Host Enclosures**. Use the **Show last day** menu drop-down list to filter the view by **Day, Week, Month, and Year**.

Field	Description
Enclosure Name	Specifies the enclosure name. Click the enclosure name to view more information. Click the chart icon to view a graph of the traffic on that device according to the selected timeline. You can filter the data using the Day, Week, Month, and Year options.
Rx/Tx/Errors/Discards	
Avg	Specifies the average receiving, transmitting, errors, or discards speed.
Peak	Specifies the peak utilization of the receiving, transmitting, errors, or discards speed.
Rx + Tx	Specifies the sum of receiving and transmitting speeds.
Last Updated	Specifies the last updated time.

Performance - Storage Enclosures

The following table describes the fields that appear on **SAN > End Devices > Enclosures> Inventory > Storage Enclosures**.

Field	Description
Enclosure Name	Specifies the enclosure name.
Rx/Tx/Errors/Discards	
Avg	Specifies the average receiving, transmitting, errors, or discards speed.
Peak	Specifies the peak utilization of the receiving, transmitting, errors, or discards speed.

Last Updated	Specifies the last updated time.
--------------	----------------------------------

Use the **Show last day** menu drop-down list to filter the view by Day, Week, Month, and Year.

Enclosure Members

The following table describes the fields that appear on **SAN > End Devices > Enclosures > Performance**. Enclosure members can be viewed for Host and Storage performance enclosures. Use the **Show last day** menu drop-down list to filter the view by **Day, Week, Month, and Year**.

Field	Description
Fabric	Specifies the fabric name. Click the name to view information about fabric health on the right-side of the page.
Device	Specifies the device name.
Speed	Specifies the device speed.
Rx/Tx	
Avg	Specifies the average receiving or transmitting speed.
Avg %	Specifies the average percentage of receiving or transmitting speed.
Peak	Specifies the peak utilization of the receiving, or transmitting speed.
Peak %	Specifies the peak utilization percentage of the receiving or transmitting speed.
Errors/Discards	
Avg	Specifies the average errors or discards speed.
Peak	Specifies the peak utilization of the errors or discards speed.
Last Updated	Specifies the last updated time.

Copyright

THE SPECIFICATIONS AND INFORMATION REGARDING THE PRODUCTS IN THIS MANUAL ARE SUBJECT TO CHANGE WITHOUT NOTICE. ALL STATEMENTS, INFORMATION, AND RECOMMENDATIONS IN THIS MANUAL ARE BELIEVED TO BE ACCURATE BUT ARE PRESENTED WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. USERS MUST TAKE FULL RESPONSIBILITY FOR THEIR APPLICATION OF ANY PRODUCTS.

THE SOFTWARE LICENSE AND LIMITED WARRANTY FOR THE ACCOMPANYING PRODUCT ARE SET FORTH IN THE INFORMATION PACKET THAT SHIPPED WITH THE PRODUCT AND ARE INCORPORATED HEREIN BY THIS REFERENCE. IF YOU ARE UNABLE TO LOCATE THE SOFTWARE LICENSE OR LIMITED WARRANTY, CONTACT YOUR CISCO REPRESENTATIVE FOR A COPY.

The Cisco implementation of TCP header compression is an adaptation of a program developed by the University of California, Berkeley (UCB) as part of UCB's public domain version of the UNIX operating system. All rights reserved. Copyright © 1981, Regents of the University of California.

NOTWITHSTANDING ANY OTHER WARRANTY HEREIN, ALL DOCUMENT FILES AND SOFTWARE OF THESE SUPPLIERS ARE PROVIDED "AS IS" WITH ALL FAULTS. CISCO AND THE ABOVE-NAMED SUPPLIERS DISCLAIM ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THOSE OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE.

IN NO EVENT SHALL CISCO OR ITS SUPPLIERS BE LIABLE FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST PROFITS OR LOSS OR DAMAGE TO DATA ARISING OUT OF THE USE OR INABILITY TO USE THIS MANUAL, EVEN IF CISCO OR ITS SUPPLIERS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Any Internet Protocol (IP) addresses and phone numbers used in this document are not intended to be actual addresses and phone numbers. Any examples, command display output, network topology diagrams, and other figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses or phone numbers in illustrative content is unintentional and coincidental.

The documentation set for this product strives to use bias-free language. For the purposes of this documentation set, bias-free is defined as language that does not imply discrimination based on age, disability, gender, racial identity, ethnic identity, sexual orientation, socioeconomic status, and intersectionality. Exceptions may be present in the documentation due to language that is hardcoded in the user interfaces of the product software, language used based on RFP documentation, or language that is used by a referenced third-party product.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: <http://www.cisco.com/go/trademarks>. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

© 2017-2023 Cisco Systems, Inc. All rights reserved.