



Working with Connectivity in Your
Nexus Dashboard NDB fabrics, 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	Nexus Data Broker integration	Beginning with release 4.2.1, Nexus Dashboard supports a new fabric type dedicated to Data Broker networks. You can also configure and manage SPAN settings for Data Broker switches directly within Nexus Dashboard, which enhances connectivity and monitoring capabilities.

Navigate to the Connectivity page

Follow these steps to navigate to the **Connectivity** page.

1. Navigate to the **Fabrics** page.

Go to **Manage > Fabrics**.

2. In the **Fabrics** table, choose the Nexus Data Broker (NDB) fabric for which you want to configure connectivity.

The **Fabric Overview** page appears.

3. Click the **Connectivity** tab.

The following subtabs provide more focused connectivity options.

- o [Interfaces](#)
- o [Interface groups](#)
- o [Links](#)
- o [Connections](#)
- o [Span sessions](#)
- o [Packet filters](#)
- o [Span destinations](#)
- o [User defined fields](#)
- o [Global config](#)

Interfaces

The **Interfaces** tab includes the following subtabs.

- Interfaces
- Input ports
- Monitoring tools

Interfaces

The **Interfaces** tab displays a list of network interfaces. It shows details such as the interface name, associated switch, administrative status, operational status, the reason for its status, and any applied policies. It allows you to view and manage the individual network ports within the NDB fabric.

View interfaces

Follow these steps to view the configured interfaces.

1. [Navigate to the Connectivity page.](#)
2. Click the **Interfaces** tab and then click **Interfaces**.

Nexus Dashboard displays the details of the existing interfaces.

The screenshot shows the Nexus Dashboard interface. The top navigation bar includes 'Nexus Dashboard', search, notifications, and user profile. The left sidebar has navigation options like 'Home', 'Manage', 'Analyze', and 'Admin'. The main content area is titled 'Connectivity' and contains a sub-tab 'Interfaces'. Below this, there's a table of interfaces. The table has columns: Interface, Switch, Admin status, Operational status, Reason, and Policy. The data rows are as follows:

Interface	Switch	Admin status	Operational status	Reason	Policy
Ethernet1/1	N9K-C9336C-FX2-155	Up	Up	ok	Data-Broker host
Ethernet1/1	N9K-C9336C-FX2-156	Up	Up	ok	Data-Broker host
Ethernet1/2	N9K-C9336C-FX2-155	Up	Down	XCVR not inserted	Data-Broker host
Ethernet1/2	N9K-C9336C-FX2-156	Up	Up	ok	Data-Broker host
Ethernet1/3	N9K-C9336C-FX2-155	Up	Down	XCVR not inserted	Data-Broker host

For more information, see [Interfaces](#).

Port channels

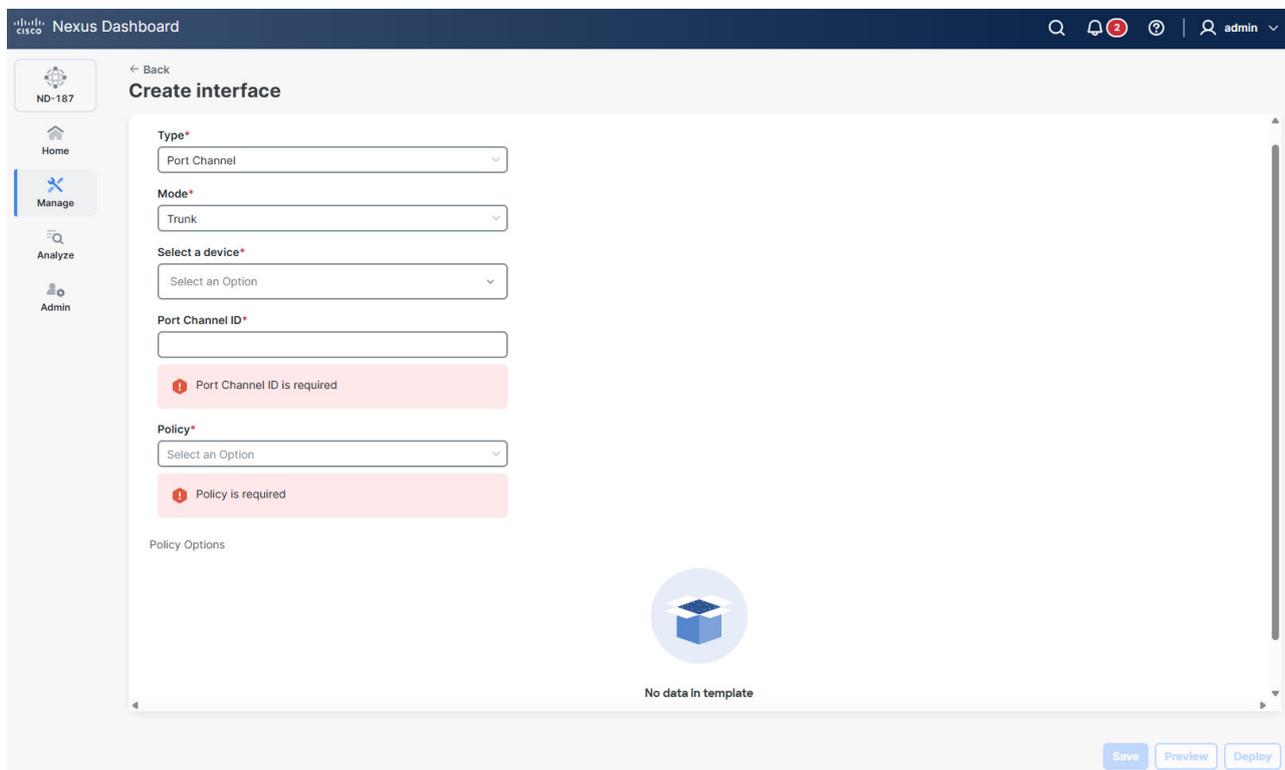
A port channel is a logical interface created by aggregating multiple physical interfaces. In an NDB fabric, port channels bundle up to eight active links to increase bandwidth and redundancy. If a member port fails, traffic automatically switches to the remaining ports in the bundle.

You can choose a port channel as the underlying interface when you configure connectivity for the input ports and monitoring tools.

Follow these steps to create a port channel.

1. [Navigate to the Connectivity page.](#)
2. Click the **Interfaces** tab and then click **Interfaces**.
3. From the **Actions** drop-down list, choose **Create interface**.

The **Create interface** page displays.



4. In the **Type** drop-down list, choose **Port Channel**.
5. Click **Save**.

Guidelines and limitations of port channels

- NDB fabrics use simplified parameters and specific policy types for port channel configurations.
- Nexus Dashboard prevents you from deleting a port channel that an active NDB port configuration (such as **Input ports** or **Monitoring tools**) uses. You must remove all dependent port configurations or connections before you delete the port channel.
- Nexus Dashboard applies any configuration changes you make to the port channel to each member interface in that bundle.

Input ports

The **Input ports** tab displays details of the input ports on the NDB devices. An input port is a specific port on a device that acts as an entry point for traffic managed by the data broker.

When you define an Edge-SPAN, Edge-TAP, or a Remote Source Edge-SPAN port in the NX-API configuration mode, Nexus Dashboard automatically configures the **spanning-tree bpdudfilter enable** command in the interface mode on these ports to filter BPDU packets. This configuration applies to all Cisco Nexus 9000 series switches.

Ensure to configure the **spanning-tree bpdudfilter enable** command on all the inter-switch ports for Cisco Nexus series switches.

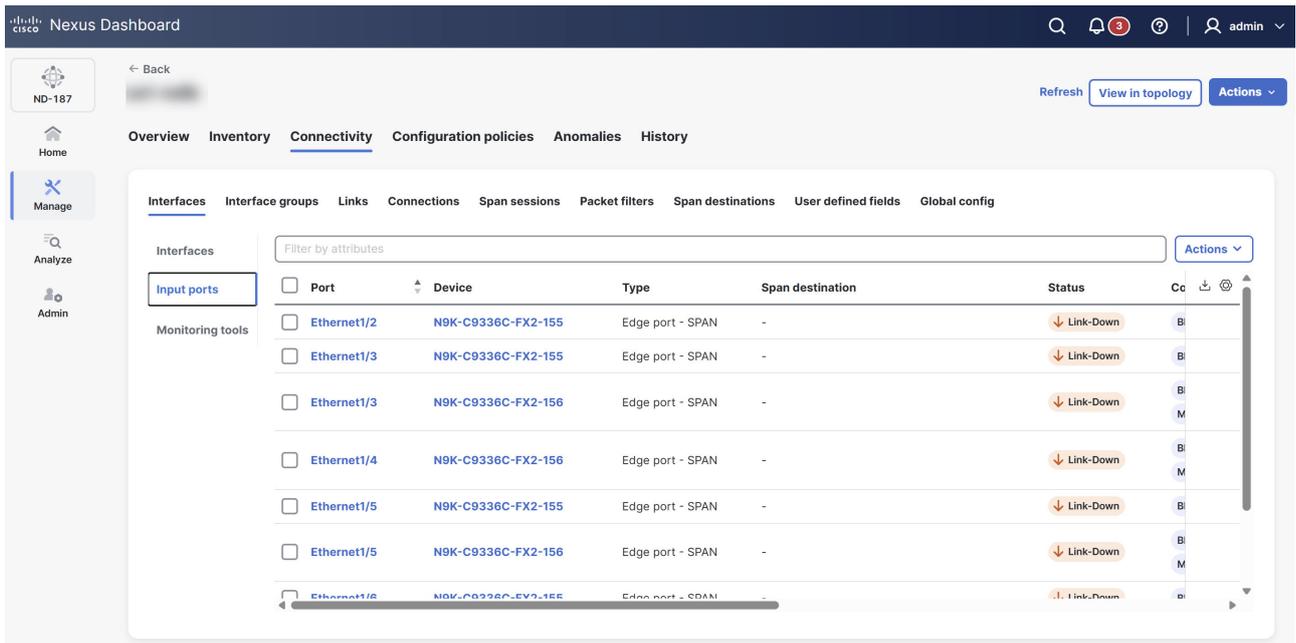
View input ports

Follow these steps to view the configured input ports.

1. [Navigate to the Connectivity page.](#)

2. Click the **Interfaces** tab and then click **Input ports**.

Nexus Dashboard displays the details of the existing input ports.



The **Input ports** table provides the following information for each input port.

Field	Description
Port	The unique identifier for the network port (For example, Ethernet1/1).
Device	The name or identifier of the network device on which the input port is configured.
Type	Specifies the port type. The following options display. <ul style="list-style-type: none"> ▪ Edge port-SPAN ▪ Edge port-TAP ▪ Remote source edge-SPAN ▪ Packet truncation—this port is associated to the monitoring tool port.
Span destination	Indicates if the port is configured as a SPAN destination.
Status	The current operational status of the port. This reflects active state of the port.
Configuration	Provides a summary or link to the detailed configuration settings applied to this specific port.
Description	Description of the port.
In use	Displays Yes or No to indicate if the port is currently active and processing traffic, or if it is provisioned but idle.
Status description	Provides a detailed explanation about the current status of the port.

Field	Description
Created by	The user who created the input port.
Modified by	The user who modified the input port.

Add input port

Before you begin

- You must have added one or more devices to Nexus Dashboard.
- Some input port parameters are defined at the device level from the **Global config** tab. To define the following parameters, see [\[Edit global config\]](#).
 - o PTP
 - o NetFlow
 - o MPLS filtering
 - o Jumbo MTU

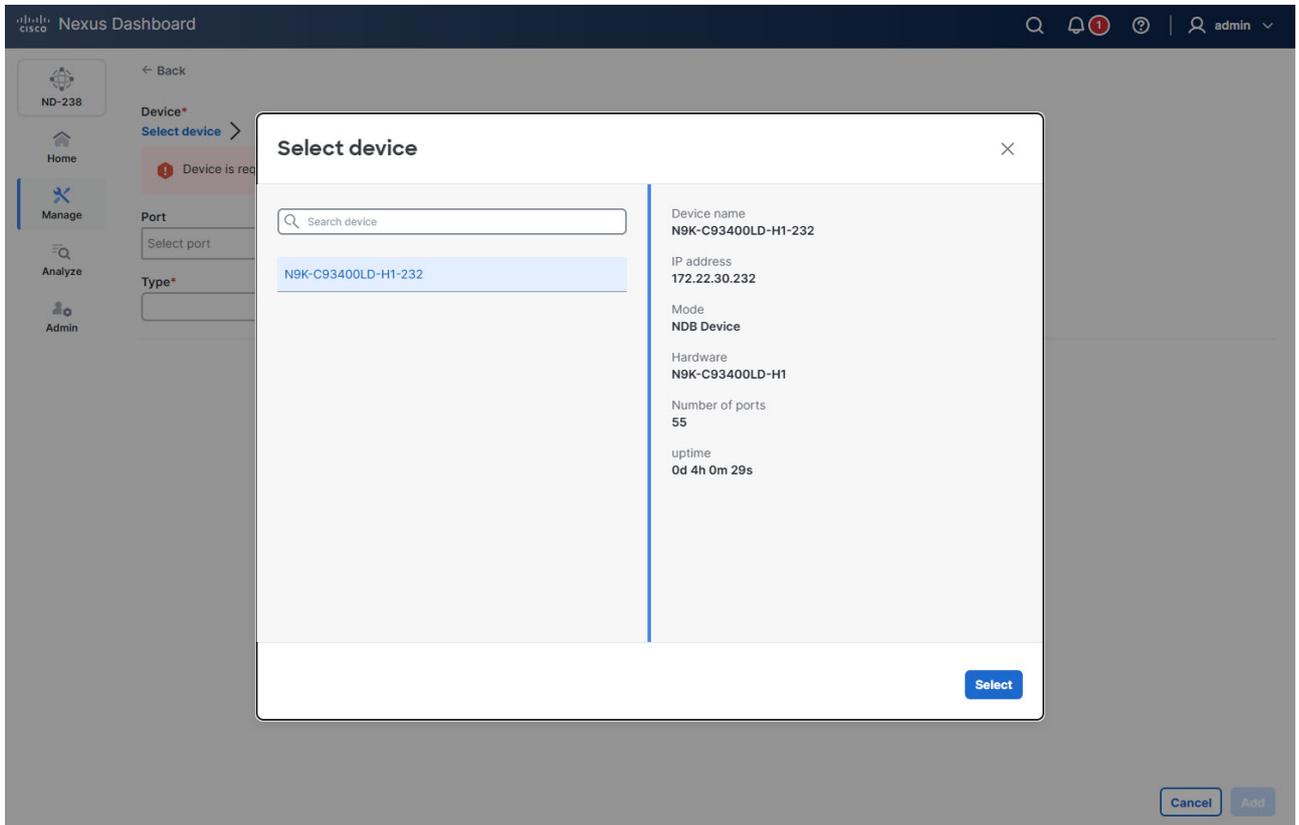
Follow these steps to add an input port.

1. [Navigate to the Connectivity page.](#)
2. Click the **Interfaces** tab and then click **Input ports**.
3. From the **Actions** drop-down list, choose **Add input port**.

The **Device** page displays.

4. Click **Select device**.

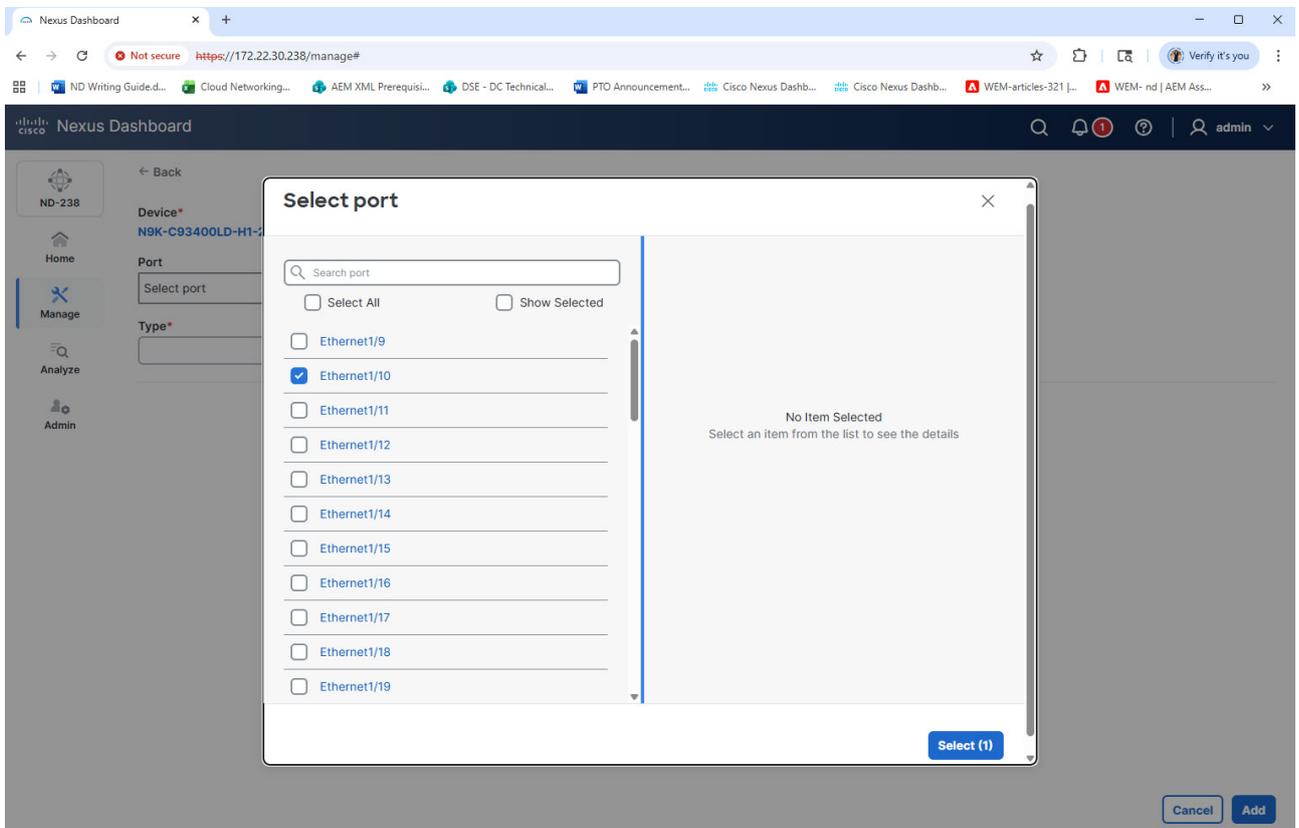
The **Select device** dialog box displays.



5. Choose the device and click **Select**.

6. In the **Port** field, click **Select port**.

The **Select port** dialog box displays.



7. Choose the port(s) and click **Select**.



Choose either a physical port or a pre-configured port channel. Retain the port channel configuration for as long as the input port or monitoring tool uses it.

8. From the **Type** drop-down list, choose one of the following.
 - **Edge port-SPAN**—creates an edge-port for incoming traffic from a configured SPAN session of the production switch.
 - **Edge port-TAP**—creates an edge port for incoming traffic from a physical TAP device on an ISL.
 - **Remote source edge-SPAN**—creates an edge-port that handles incoming traffic from a configured remote session of the production switch. (You can use the SPAN destination when an APIC controller is connected.)
 - **Packet truncation**—creates a port for redirecting the traffic from the input port to the packet truncation port. The truncated packets from the packet truncation port reach the monitoring tool.



The configuration fields update dynamically based on the **Type** you choose.

9. In the **Port description** field, provide description for the port.
10. In the **VLAN ID** field, enter the VLAN ID.

Nexus Dashboard configures the port as dot1q to preserve any production VLAN information. The VLAN ID identifies the port from which the traffic originates.



You must configure Q-in-Q VLAN on all input ports in an ISL connection. After you configure an interface with Q-in-Q, do not apply VLAN filters to that Q-in-Q configured interface.

11. Choose one of the following options.
 - **Block Rx**
 - **Block ICMP v6 Neighbour Solicitation**
 - **Enable timestamp tagging**
 - **Enable MPLS filtering**
 - **Apply Jumbo MTU**
12. From the **Netflow monitor** drop-down list, choose **Select netflow monitor**.
13. From the **Destination device type** drop-down list, choose **Controller**.
14. Provide additional details based on the type of device you choose.
15. Click **Add**.

Edit input port

Follow these steps to edit an input port.

1. [Navigate to the Connectivity page](#).
2. Click the **Interfaces** tab and then click **Input ports**.

3. Choose a port.

The **Port name** page displays.

4. From the **Actions** drop-down list, choose **Edit**.

Delete input port

Follow these steps to delete an input port.

1. [Navigate to the Connectivity page](#).
2. Click the **Interfaces** tab and then click **Input ports**.
3. Choose a port.

The **Port name** page displays.

4. From the **Actions** drop-down list, choose **Delete**.

Monitoring tools

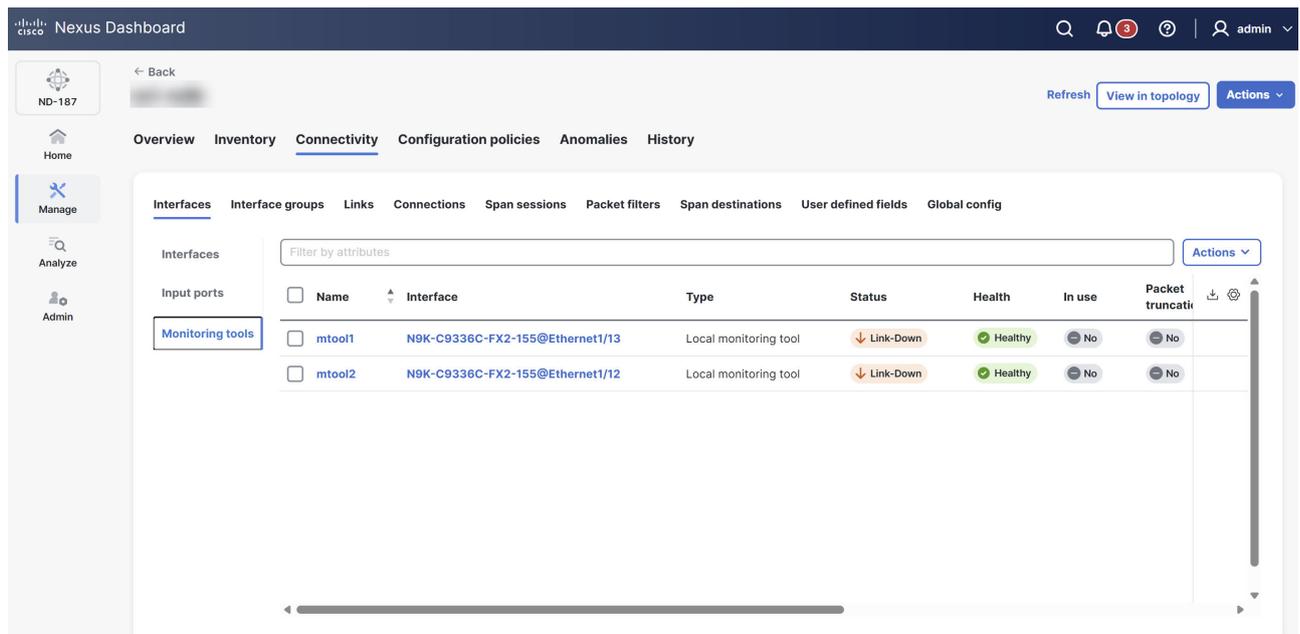
The **Monitoring Tools** tab displays details of the monitoring tool ports for NDB devices. The monitoring tool receives traffic sent from the monitoring tool port of an NDB device.

View monitoring tools

Follow these steps to view the configured input ports.

1. [Navigate to the Connectivity page](#).
2. Click the **Interfaces** tab and then click **Monitoring tools**.

Nexus Dashboard displays the details of the monitoring tool ports.



The screenshot shows the Nexus Dashboard interface. The top navigation bar includes the Cisco logo, the text 'Nexus Dashboard', and user information 'admin'. The main content area is titled 'ND-187' and has a 'Back' button. Below the title, there are tabs for 'Overview', 'Inventory', 'Connectivity', 'Configuration policies', 'Anomalies', and 'History'. The 'Connectivity' tab is active, and within it, the 'Interfaces' sub-tab is selected. The 'Interfaces' section has a search bar and an 'Actions' dropdown. Below this, there is a table for 'Input ports' with a 'Monitoring tools' sub-tab selected. The table has columns for Name, Interface, Type, Status, Health, In use, and Packet truncation. Two rows are visible: 'mtool1' and 'mtool2', both with 'Link-Down' status and 'Healthy' health.

Name	Interface	Type	Status	Health	In use	Packet truncation
mtool1	N9K-C9336C-FX2-155@Ethernet1/13	Local monitoring tool	Link-Down	Healthy	No	No
mtool2	N9K-C9336C-FX2-155@Ethernet1/12	Local monitoring tool	Link-Down	Healthy	No	No

The **Monitoring tools** table provides the following information.

Field	Description
Name	Specifies the name assigned to the monitoring tool configuration.
Interface	Indicates the specific device and port identifier where the monitoring tool is connected.
Type	Specifies the type of monitoring tool. The following options display. <ul style="list-style-type: none"> ▪ Local monitoring tool ▪ Remote monitoring tool
Status	Specifies the current operational state of the link (for example, Link-Down or Link-Up).
Health	Indicates the health status of the monitoring tool port using color indicators based on traffic flow. A green status signifies active traffic flow, while a red status indicates that the port detects no traffic.
In use	Indicates whether the monitoring tool port is currently active or assigned to a session (Yes/No).
Packet truncation	Indicates whether packet truncation is enabled for the traffic sent to this port.
Block Rx	Indicates whether the port is configured to block incoming (received) traffic.
Status description	Provides additional details regarding the current status.
Created by	The user who created the monitoring tool.
Modified by	The user who last modified the monitoring tool.

Add monitoring tool

Follow these steps to add a monitoring tool port for a device.

1. [Navigate to the Connectivity page](#).
2. Click the **Interfaces** tab and then click **Monitoring tools**.
3. From the **Actions** drop-down list, choose **Add monitoring tool**.
4. In the **Name** field, provide a name for the monitoring tool.
5. Click **Select device**.

The **Select device** dialog box displays.

6. Choose the device and click **Select**.
7. In the **Port** field, click **Select port**.

The **Select port** dialog box displays.

8. Choose the port(s) and click **Select**.



Choose either a physical port or a pre-configured port channel. Retain the port

channel configuration for as long as the input port or monitoring tool uses it.

9. In the **Port description** field, provide a description for the port.

10. Choose one of the following **Type**.

- o **Local monitoring tool**
- o **Remote monitoring tool**

When you choose **Local monitoring tool**, choose one of the following options.

- o **Block Rx**



Rx traffic is blocked using unidirectional ethernet for Cisco N9K-95xx switches with N9K-X97160YC-EX line card (NX-OS 9.3(3) or later).

- o **Block ICMP v6 Neighbour Solicitation**
- o **Enable timestamp tagging**
- o **Packet truncation**
- o **Enable timestamp strip**
- o **Apply Jumbo MTU**

When you choose **Remote monitoring tool**, provide the following information.

- o **Interface IP**
- o **Destination IP**
- o **ERSPAN ID**

11. Click **Add**.

Delete monitoring tool

Follow these steps to delete a monitoring tool port for a device.

1. [Navigate to the Connectivity page](#).
2. Click the **Interfaces** tab and then click **Monitoring tools**.
3. From the **Actions** drop-down list, choose **Delete monitoring tool**.

Interface groups

The **Interface groups** tab allows you to organize and manage different types of port and tool groups for efficient network configuration.

The **Interface groups** tab includes the following subtabs.

- Input port groups
- Monitoring tools groups

Input port groups

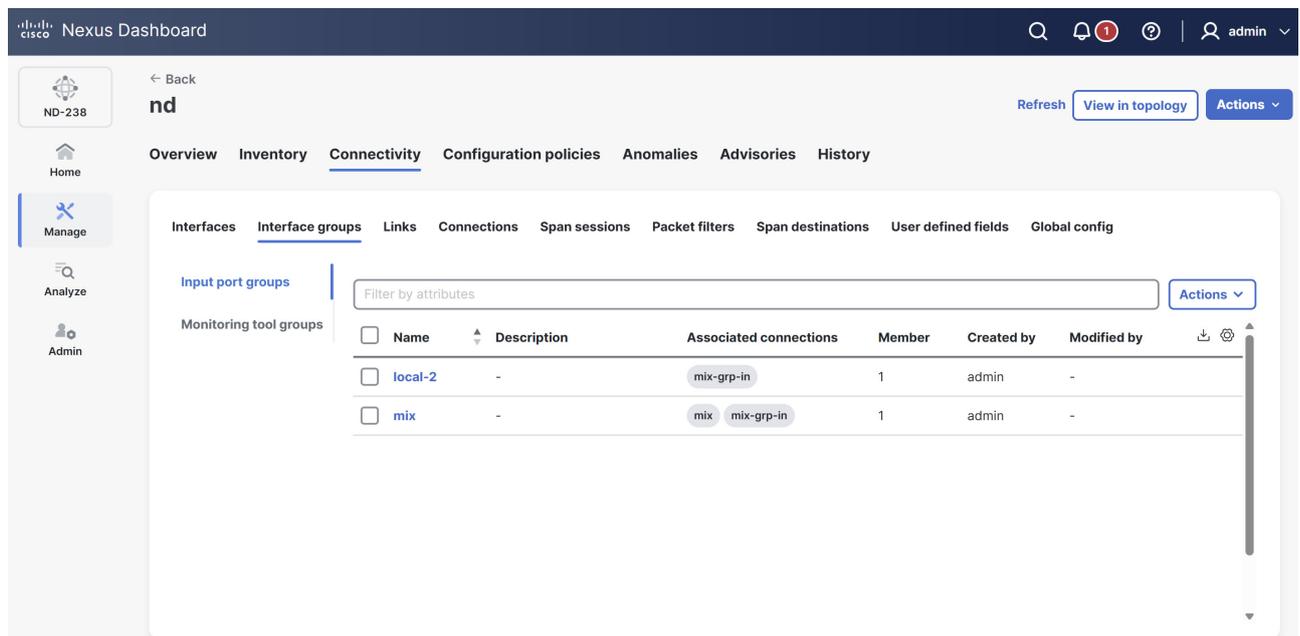
A port group consists of input ports from a device or from different devices. You can combine edge-span and edge-tap ports from various devices to create port groups. When you create a connection, you can choose multiple input ports at once by choosing an input port group, rather than choosing each input port separately.

View input port groups

Follow these steps to view the configured input ports.

1. [Navigate to the Connectivity page.](#)
2. Click the **Interface groups** tab and then click **Input port groups**.

Nexus Dashboard displays the details of the existing input port groups.



The **Input port groups** table provides the following information for each input port.

Field	Description
Name	Name of the input port group. Click the Input port group name . The Input port groups page displays. You can perform the following actions here. <ul style="list-style-type: none">▪ Edit an input port group▪ Delete an input port group
Description	Description of the input port group.
Associated connections	The connection(s) associated with the group.
Member	The number of member input ports of the group.
Created by	The user who created the input port.
Modified by	The user who modified the input port.

Add input port groups

Follow these steps to add an input port group.

1. [Navigate to the Connectivity page.](#)
2. Click the **Interface groups** tab and then click **Input port groups**.
3. From the **Actions** drop-down list, choose **Add input ports group**.

Provide the following details in the page that displays.

The screenshot shows the 'Add input port group' form in the Cisco Nexus Dashboard. The form has a dark blue header with the Cisco logo and 'Nexus Dashboard' text. On the right side of the header, there are search, notification, and user profile icons. A left sidebar contains navigation options: Home, Manage, Analyze, and Admin. The main content area has a 'Back' button and a 'Group name*' field with a red error message 'Group name is required'. Below this is a 'Description' field. The 'Select input ports*' section consists of two panels. The left panel shows '1 available' ports: 'N9K-C93400LD-H1-232' and 'Ethernet1/3'. The right panel shows '0 selected' ports. Navigation arrows are between the panels. At the bottom right, there are 'Cancel' and 'Add' buttons.

Field	Description
Group name	Name of the input port group.
Description	Description of the input port group.
Select input ports	<p>This section provides two distinct areas for managing input ports. The left panel lists all available input ports, categorized by device.</p> <p>Follow these steps to manage input ports for a group.</p> <ol style="list-style-type: none">1. Choose a port to add to the group by checking its corresponding box.2. Click the arrow (>) to move the chosen port(s) to the right panel. <p>The right panel displays all input ports currently assigned to the group.</p> <ol style="list-style-type: none">3. To remove a port from the group, choose it in the right panel and click the arrow (<).

4. Click **Add**.

Edit input port groups

Follow these steps to edit an input port group.

1. [Navigate to the Connectivity page](#).
2. Click the **Interface groups** tab and then click **Input port groups**.
3. Click the **Input port group name**.

The **Input port groups** page displays.

4. From the **Actions** drop-down list, choose **Edit**.
5. Click **Save**, to save the changes.

Delete input port groups

Follow these steps to delete an input port group.

1. [Navigate to the Connectivity page](#).
2. Click the **Interface groups** tab and then click **Input port groups**.
3. From the **Actions** drop-down list, choose **Delete input ports group**.

Monitoring tool groups

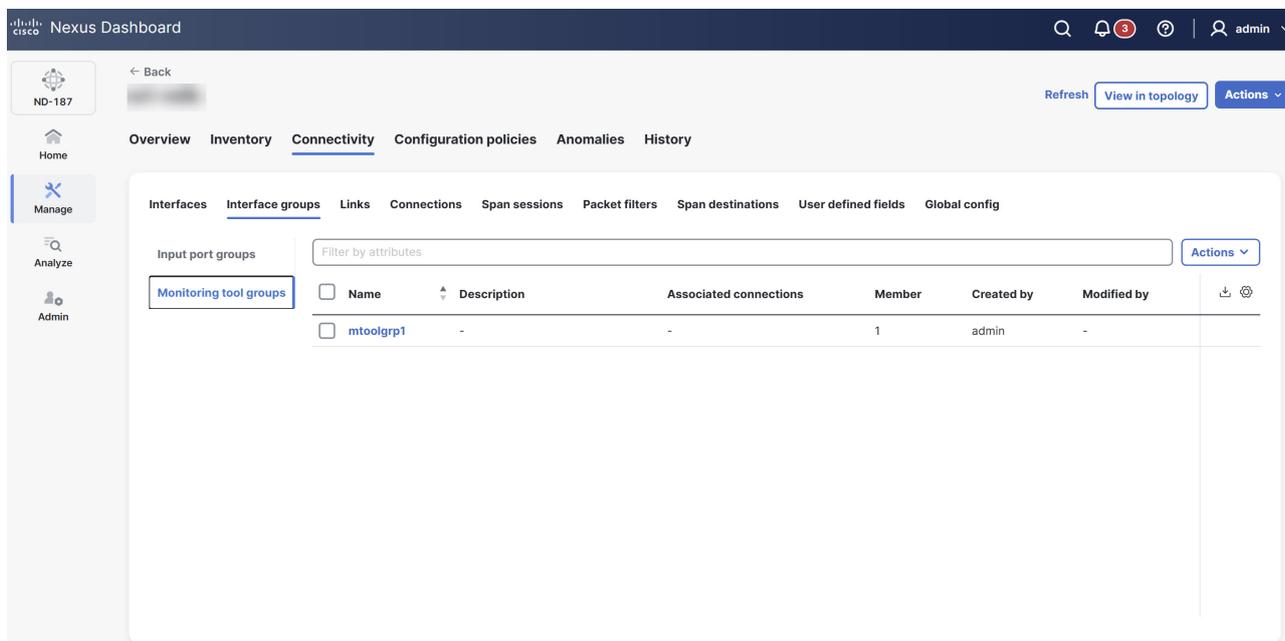
A monitoring tool group consists of monitoring tool ports grouped together across devices. When you create a connection, you can choose multiple monitoring tool ports at once by choosing the required tool group, rather than choosing each port individually.

View monitoring tool groups

Follow these steps to view the configured monitoring tool groups.

1. [Navigate to the Connectivity page](#).
2. Click the **Interface groups** tab and then click **Monitoring tool groups**.

Nexus Dashboard displays the details of the existing monitoring tool groups.



The **Monitoring tool groups** table provides the following information for each input port.

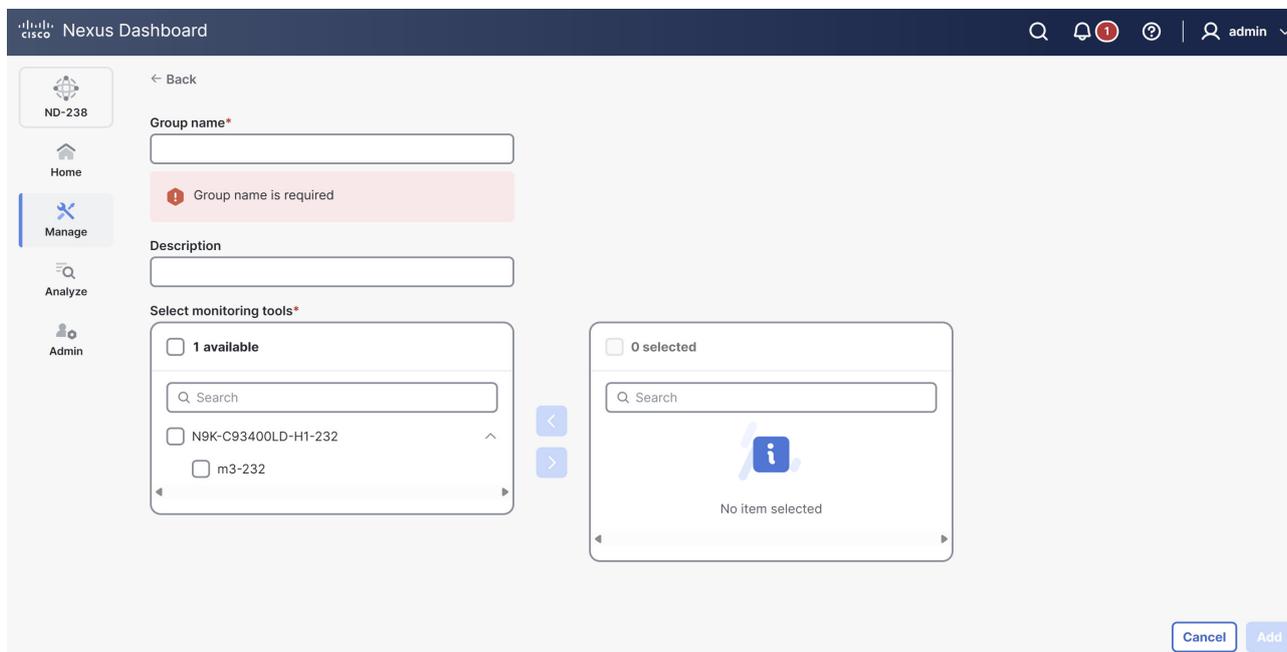
Field	Description
Name	Name of the monitoring tool group. Click the Monitoring tool group name . The Monitoring tool groups page displays. You can perform the following actions here. <ul style="list-style-type: none"> • Edit a monitoring tool group • Delete a monitoring tool group
Description	Description of the monitoring tool groups.
Associated connections	The connection(s) associated with the group.
Member	The number of member monitoring tool ports of the group.
Created by	The user who created the group.
Modified by	The user who modified the group.

Add monitoring tool group

Follow these steps to add a monitoring tool group.

1. [Navigate to the Connectivity page](#).
2. Click the **Interface groups** tab and then click **Monitoring tool groups**.
3. From the **Actions** drop-down list, choose **Add monitoring tool group**.

Provide the following details in the page that displays.



Field	Description
Group name	Name of the monitoring tool group.
Description	Description of the monitoring tool group.
Select input ports	<p>This section provides two distinct areas for managing monitoring tool ports. The left panel lists all available ports, categorized by device.</p> <p>Follow these steps to manage ports for a group.</p> <ol style="list-style-type: none"> 1. Choose a port to add to the group by checking its corresponding box. 2. Click the arrow (>) to move the chosen port(s) to the right panel. <p>The right panel displays all input ports currently assigned to the group.</p> <ol style="list-style-type: none"> 3. To remove a port from the group, choose it in the right panel and click the arrow (<).

4. Click **Add**.

Edit monitoring tool group

Follow these steps to edit a monitoring tool group.

1. [Navigate to the Connectivity page](#).
2. Click the **Interface groups** tab and then click **Monitoring tool groups**.
3. Click the **Monitoring tool groups name**.

The **Monitoring tool groups** page displays.

4. From the **Actions** drop-down list, choose **Edit**.
5. Click **Save**, to save the changes.

Delete monitoring tool group

Follow these steps to delete a monitoring tool group.

1. [Navigate to the Connectivity page](#).
2. Click the **Interface groups** tab and then click **Monitoring tool groups**.
3. From the **Actions** drop-down list, choose **Delete monitoring tool group(s)**.

Links

The **Links** tab provides a centralized view for monitoring and managing the various physical and logical connections within your NDB fabric. It offers detailed insights into configured links, their operational status, and protocol-specific information.

Follow these steps to view the configured links.

1. [Navigate to the Connectivity page](#).
2. Click the **Links** tab.

Nexus Dashboard displays the details of the existing links.

Fabric name	Name	Policy	Info	Admin state	Oper state
	N9K-C9336C-FX2-155~mgmt0---C2960G-DCNM-JANE-2II-22~GigabitEthernet0/2		Neighbor Present	↑ Up	↑ Up
	N9K-C9336C-FX2-156~Ethernet1/2---rijin_Leaf1~Ethernet1/53		Neighbor Present	↑ Up	↑ Up
	N9K-C9336C-FX2-156~mgmt0---C2960G-DCNM-JANE-2II-22~GigabitEthernet0/1		Neighbor Present	↑ Up	↑ Up
	N9K-C9336C-FX2-155~Ethernet1/1---N9K-C9336C-FX2-156~Ethernet1/1		Link Present	↑ Up	↑ Up

For more information, see [Links](#).

Connections

The **Connections** tab provides a comprehensive interface for managing and monitoring network connections within Nexus Dashboard.

The **Connections** tab includes the following subtabs.

- **User connections**

- **Default connections**

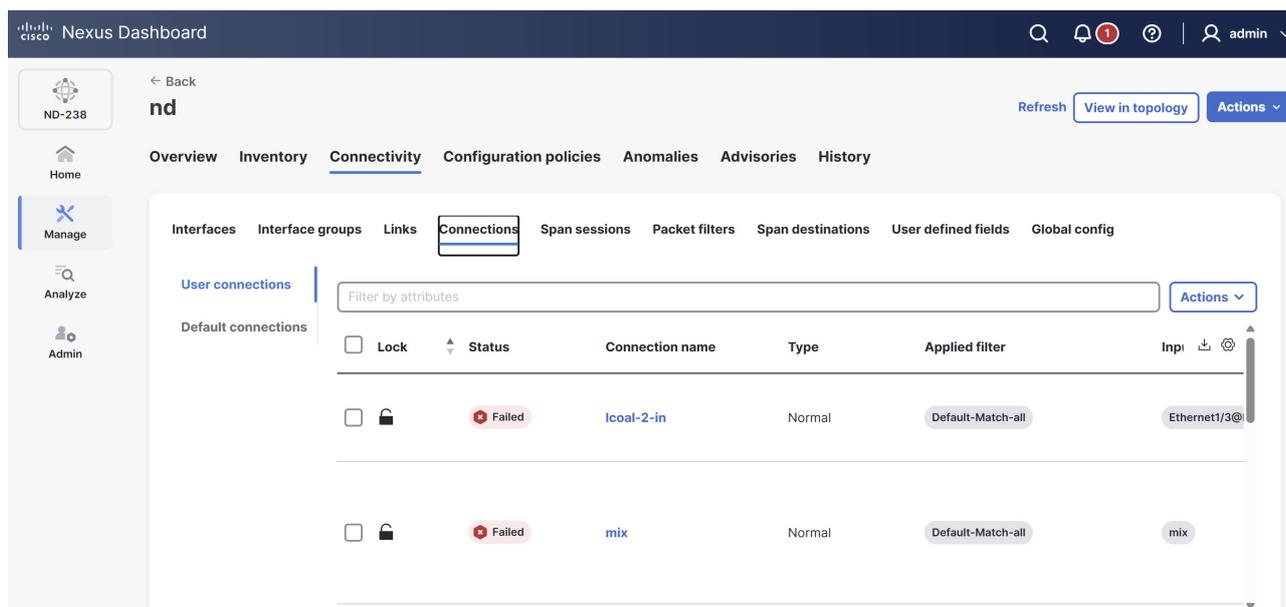
User connections

The **User Connections** tab displays details of all the user-defined connections between input port(s) and monitoring tool port(s).

Follow these steps to view the user connections.

1. [Navigate to the Connectivity page.](#)
2. Click the **Connections** tab and then click **User connections**.

Nexus Dashboard displays the details of the user connections.



The **User connections** table provides the following information.

Field	Description
Lock	The lock symbol shows that the connection is locked, and Nexus Dashboard prevents unauthorized users from modifying the connection parameters. Only the user (or administrator) who created the connection or the user who locked it can make the required changes. You can lock a connection when you add it.
Status	The current status of the connection.
Connection name	The name of the connection. Click the name to open the Connections page with more details about the connection. From this page, you can perform these actions. <ul style="list-style-type: none"> ▪ Edit connection ▪ Clone connection ▪ Delete connection

Field	Description
Type	Type of connection. The following types display. <ul style="list-style-type: none"> • Normal— connection applies filters on the input ports and redirects traffic to the monitoring tool. • Auto priority—connection redirects the traffic to the monitoring tool based on the set auto-priority number. For more information, see Auto priority.
Applied filter	Displays a list of all the filters applied to the connection.
Input ports/ Input port groups	The number of input ports and/or input port groups of the connection.
Monitoring tools/ Monitoring tools groups	The number of monitoring tools and/or monitoring tool groups of the connection.
Description	Description of the connection.
Priority	Set the priority for the connection when you create it. Nexus Dashboard matches incoming traffic from the ports based on priority. If two connections use the same input ports and filters, Nexus Dashboard directs the traffic to the connection with the higher priority.
Status description	The status of the connection between the input port and monitoring tool port.
Created by	The user who created the connection.
Modified by	The user who last modified the connection.

Auto priority

Auto priority allows you to map filters to multiple destination devices within a connection. Nexus Dashboard sets the priority of a connection with auto-priority to the value you configure in the `config.ini` file. To specify the priority for all new connections with auto-priority, set the `connection.autopriority.priorityValue` attribute in the `config.ini` file.

Add connection

A connection establishes a link between the input ports (with filters) of a device to the monitoring tool ports of the device.

Before you begin

- Define a filter for the connection.
- Configure a monitoring tool (recommended).
- Configure an edge port (recommended).

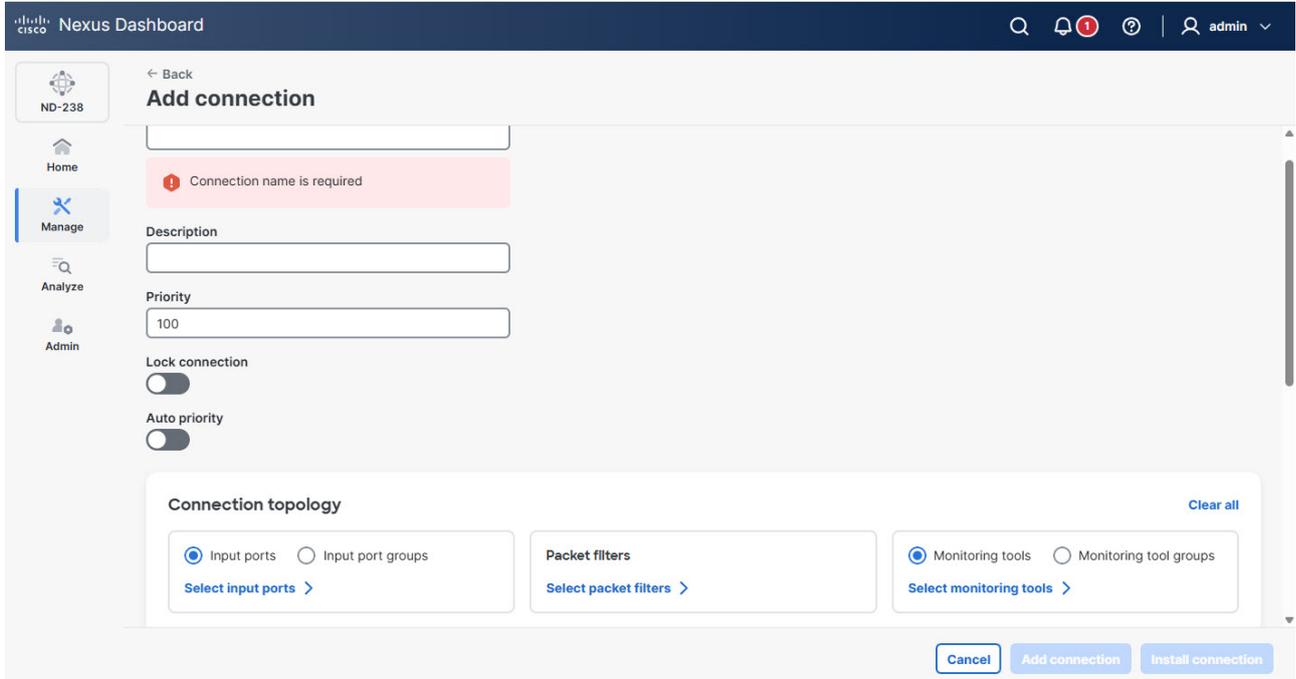
Guidelines and limitations

- You must configure QinQ VLAN on the input port to enable connections that span multiple devices (multi-hops).
- You can configure only one connection with auto priority per input port or port group.

Follow these steps to add connection.

1. [Navigate to the Connectivity page.](#)
2. Click the **Connections** tab and then click **User connections**.
3. From the **Actions** drop-down list, choose **Add connection**.

The **Add connection** page displays.



4. Provide the following details.

Field	Description
Connection name	Provide the connection name.
Priority	<p>Enter the priority you want to set for the connection. By default, Nexus Dashboard sets the priority level to 100. You can choose a value from 2 to 10,000. A higher number means a higher priority. For example, 200 has a higher priority than 100.</p> <p>Nexus Dashboard matches incoming traffic from the ports based on priority. If two connections use the same input ports and filters, the connection with the higher priority receives the traffic.</p>
Lock connection	Enables lock connection. Locking a connection prevents unauthorized changes to a connection.
Auto priority	<p>Enables Auto priority. NDB automatically assigns a priority to the connection based on certain criteria, such as monitoring tools and filters.</p> <p>Auto priority allows you to map filters to multiple monitoring tools within a connection. For more information, see Auto priority.</p>

Field	Description
Connection topology	Define Input port(s) , Packet filter(s) , and Monitoring tool(s) for a connection.

- Click **Add connection** to add the connection, or click **Install connection** to add and deploy the connection.



If NDB detects that two connections have the same Q-in-Q VLAN when you add a new connection or modify an existing one, you can merge the connections. After you click **Add connection** or **Install connection**, a dialog box appears. Click **Yes** to merge the two connections.

Toggle install a connection

Follow these steps to toggle install a connection.

- [Navigate to the Connectivity page.](#)
- Click the **Connections** tab and then click **User connections**.
- From the **User connections** table, choose a connection.
- From the **Actions** drop-down list, choose **Toggle install**.

A confirmation dialog box appears.

- Click **Toggle**.

Edit or clone connection

Follow these steps to edit or clone a connection.

- [Navigate to the Connectivity page.](#)
- Click the **Connections** tab and then click **User connections**.
- From the **User connections** table, click a connection.

The **Connections** page displays.

- From the actions drop-down list, choose **Edit** or **Clone**.
- After you make the required changes, click **Save**.



Cloning a connection is similar to editing a connection. When you clone a connection, you create a new connection with the same parameters as an existing one and then modify the required parameters. Make sure to change the name of the connection before you save it.

Delete connection

Follow these steps to delete a connection.

- [Navigate to the Connectivity page.](#)

2. Click the **Connections** tab and then click **User connections**.
3. From the **User connections** table, choose a connection.
4. From the **Actions** drop-down list, choose **Delete connection**.

Default connections

The **Default connections** tab displays the details of the default NDB connections. Nexus Dashboard configures default deny rules on all configured interfaces, including input ports, monitoring tools, and packet truncation ports. By default, Nexus Dashboard denies traffic received on the input ports until you configure a user-defined connection.

By default, Nexus Dashboard enables deny ACLs configured interfaces, including inter switch links (ISL) and remote edge span interfaces. This causes Nexus Dashboard to drop all traffic on these interfaces if no connection is installed. Nexus Dashboard installs the following default connections on the interfaces.

- Default-Deny-ISL-device_name connection, which uses **Default-Deny-All**, **Default-Deny-MPLS**, and **Default-Deny-ARP** filters. All switch types in NXAPI mode support this connection.
- Default-Deny-ISL-ICMP-device_name connection, which uses **Default-Deny-ICMP** and **Default-Deny-ICMP-All** filters. Nexus 9300EX, 9300FX, 9500EX, and 9500FX switches in NXAPI mode support this connection.

Span sessions

The **Span sessions** tab displays the details of the span sessions managed by NDB controller.

A span session links the span destination of span devices to the input port of an NDB device. A span session is partially outside the NDB network and defines the path of the packets from the span destination to the monitoring tool port.

The following actions can be performed from the **Span sessions** tab.

- Add span session—Allows you to add a span session. For more information, see [Add span session](#).
- Delete span session—Allows you to delete a span session. For more information, see [Delete span session](#).
- Toggle install—Allows you to install or uninstall a span session. You can install a span session on the Nexus switch or APIC controller, or uninstall a span session without removing it from the NDB controller. When you uninstall the SPAN session from the switch or controller, Nexus Dashboard retains it on the NDB controller for future use.
- Synchronize Span Session / Destination—allows you to synchronize the information on the production Nexus switch or APIC controller with the NDB controller. If you delete or remove span session information on the switch or controller, this action synchronizes the span destination and span session configurations on the switch or controller with the configurations on the NDB controller.

View span sessions

Follow these steps to view the span sessions.

1. [Navigate to the Connectivity page.](#)
2. Click the **Span sessions** tab.

The **Span sessions** table provides the following information.

Field	Description
Span session	Specifies the name of the span session. You can perform the following actions. <ul style="list-style-type: none">▪ Edit session▪ Clone session▪ Delete session
IP address	Specifies the IP address of the span session source (span device).
Status	Indicates the status of the span session, which depends on the operational status of the session and its connection.
Span sources	Indicates the number of source ports for the span session.  For VLAN sources, the source ports are EPGs on the ACI device.
Span destination	Indicates the number of span destinations for the session.  Only ACI devices can have multiple destinations; Nexus devices support only one per session.
Connection	Specifies the name(s) of connection(s) associated with the span session.
Created by	The user who created the span session.
Modified by	The user who modified the span session.
Status description	Provides the description of the current status of the span session.

Add span session

Follow these steps to add a span session.

1. [Navigate to the Connectivity page.](#)
2. Click the **Span sessions** tab.
3. From the **Actions** drop-down list, choose **Add span session**.

The **Add span session** page displays.

4. Provide the following details.

Field	Description
Span session name	Provide a name for the span session.
Controller	Click Select controller and choose a controller from the list.
Leaf ports	Click Leaf ports to add a leaf port to capture the traffic from multiple leaf ports. Click Select Leaf ports . In the Select Leaf ports page, choose a pod and choose the devices and ports.
EPG/AAEP	Click EPG/AAEP to add an EPG/ AAEP source. Click Select EPG/AAEP . In the Select EPG/AAEP page, choose a Tenant , Profile , EPG , and EPG Members . For more information, see Guidelines for EPG selection .
	<div style="border-left: 1px solid #ccc; padding-left: 10px;">  <p>EPG interfaces work only when all the ports are within the same leaf switch. If an EPG is spread across multiple switches, choose the corresponding Span destination on all the leaf switches.</p> </div>
Direction	Indicates traffic for the session source port of the device. Choose one of the following options. <ul style="list-style-type: none"> ▪ Incoming ▪ Outgoing ▪ Both
Span destination	Click Select Span destination and choose the span destination port. Nexus Dashboard displays fields based on your earlier Span Sources selection.

Field	Description
Apply connection	Enable the Apply connection option to add connection to the span session.

- Click **Add span session** to add span session you created, without installing it on the production switch or controller. Click **Install span session** to save and install the span session you created on the production switch or controller.

Guidelines for EPG selection

- When you choose an EPG, the NDB controller, by default, monitors for changes in the statically or dynamically configured interfaces of that EPG. When any changes occur, the controller applies them to the span session. The WebSocket connection does not use certificates for security. To disable event monitoring, add `enableWebSocketHandle=false` in the `config.ini` file under the `ndb/configuration` folder.
- When you add a new EPG member to the APIC controller, if no span destination exists on the leaf switch that matches the newly added EPG member as part of the configured span session, NDB ignores it and does not display the new EPG member.

Edit or clone span session

Follow these steps to edit or clone a span session.

- [Navigate to the Connectivity page.](#)
- Click the **Span sessions** tab.
- From the **Span session** table, click a span session.

The **Span session** page displays.

- From the **Actions** drop-down list, choose **Edit** or **Clone**.
- After you make the required changes, click **Save**.



Cloning a span session is similar to editing a span session. When you clone a span session, you create a new span session with the same parameters as an existing one and then modify the required parameters. Make sure to change the name of the span session before you save it.

Delete span session

Follow these steps to delete a span session.

- [Navigate to the Connectivity page.](#)
- Click the **Span sessions** tab.
- From the **Span session** table, click a span session.

The **Span session** page displays.

- From the **Actions** drop-down list, choose **Delete span session**.

Packet filters

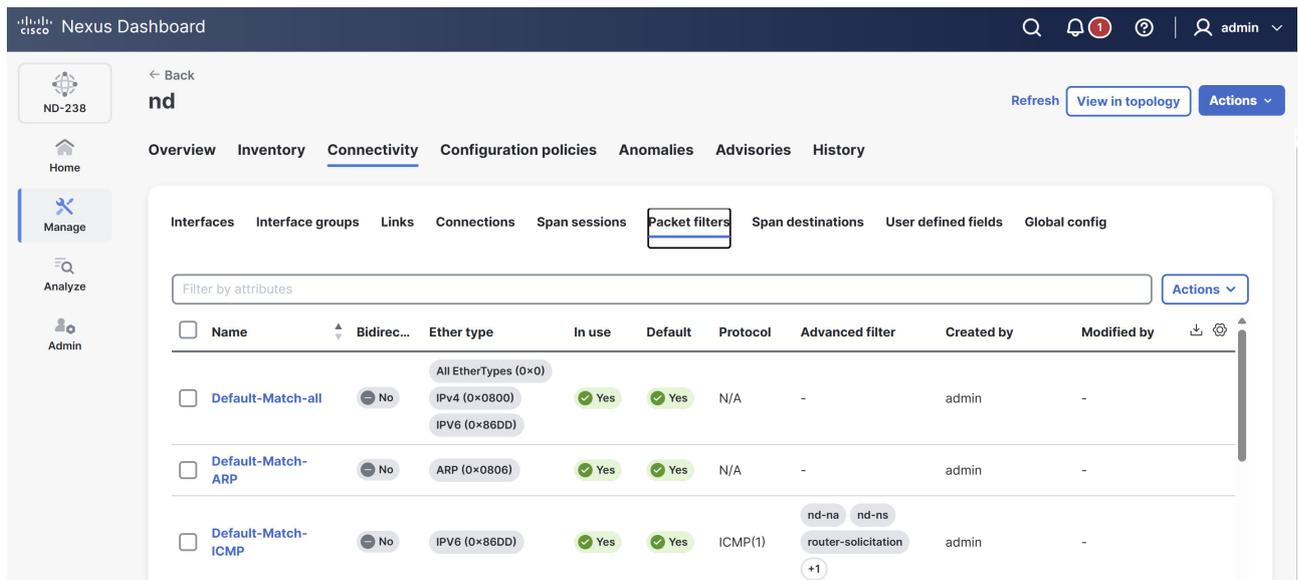
The **Packet filters** tab displays all filters available on the NDB controller. This tab lists the filtering criteria used in a connection for incoming traffic. By default, the following protocols are included for packet filtering.

- Default-match-all
- Default-match-IP
- Default-match-ARP
- Default-match-MPLS (unicast and multicast)
- Default-match-ICMP
- Default-match-ICMP-All
- Default-match-IGMP

View packet filters

Follow these steps to view the packet filters.

1. [Navigate to the Connectivity page.](#)
2. Click the **Packet filters** tab.



The **Packet filters** table provides the following information.

Field	Description
Name	Name of the packet filter.
Bidirectional	Indicates whether a filter applies to both incoming and outgoing traffic on the same port. Displays "Yes" if the filter applies to both incoming and outgoing traffic on the same port; otherwise, displays "No".
Ether type	Indicates the Layer 2 EtherType value used by the packet filter.

Field	Description
In use	A green tick mark with Yes indicates you are currently using the packet filter in a connection. A No indicates you are not using the packet filter in the connection.
Default	If the packet filter is a default filter, it is marked Yes , else No .
Protocol	Indicates Layer 3 protocol used by the packet filter.
Advanced filter	Lists the advanced filter(s) associated with the packet filter.
Created by	The user who created the filter.
Modified by	The user who modified the filter.

Add packet filters

Follow these steps to add packet filters.

1. [Navigate to the Connectivity page.](#)
2. Click the **Packet filters** tab.
3. From the **Actions** drop-down list, choose **Add packet filters**.

The add packet filter details page displays.

4. Provide the following details.

Field	Description
Name	Provide a name for the packet filter.
Bidirectional	Check this check box if you want the packet filter to capture bidirectional traffic information.

Field	Description
Layer 2	<p>The following fields appear under the Layer 2 tab.</p> <ul style="list-style-type: none"> ▪ Ethernet type—Allows you to choose the Ethernet protocol type (EtherType) to be filtered. ▪ VLAN ID—Enter the specific VLAN ID (ranging from 1 to 4094) to filter traffic belonging to a particular virtual LAN. ▪ VLAN priority—Enter the VLAN priority for the traffic. Nexus Dashboard matches the VLAN priority for Layer 2 traffic only. ▪ Source MAC address—Enter the MAC address of the source device. ▪ Destination MAC address—Enter the MAC address of the destination device. ▪ MPLS label value—Enter the MPLS value for Label 1, Label 2, Label 3, Label 4. <div style="border: 1px solid #ccc; padding: 10px; margin-top: 10px;">  <p>Nexus Dashboard displays the MPLS label value fields only if you choose the Ethernet type as MPLS. Nexus Dashboard then matches the MPLS label values.</p> </div>
Layer 3	<p>The following fields appear under the Layer 3 tab.</p> <ul style="list-style-type: none"> ▪ L3 protocol—Displays the Ethernet type you chose while configuring Layer 2. ▪ Source IP Address—The source IP address of the Layer 3 traffic. ▪ Destination IP Address—The destination IP address of the Layer 3 traffic. ▪ L4 protocol—The Internet protocol of the Layer 3 traffic. You can choose from common protocols such as ICMP, TCP, UDP, or enter a protocol number in decimal format. ▪ Advanced filter—Allows you to enable advanced filtering options that combine Ethernet type and attributes to manage traffic. For more information, see Advanced filters. ▪ Custom filter—Allows you to enable custom filtering using User Defined Fields (UDF). Click Select Custom Filters to choose one or more UDFs from the available list. If no UDFs exist, you can create new UDFs. For more information, see Add UDF.

Field	Description
Layer 4	<p>The following fields appear under the Layer 4 tab.</p> <ul style="list-style-type: none"> ▪ L4 protocol—Specifies the Layer 4 transport protocol used in the packet, such as TCP, UDP, or ICMP. ▪ Source port—Allows you to choose the source port. ▪ Destination port—Allows you to choose the destination port. <ul style="list-style-type: none"> ○ You must first choose TCP or UDP under the Layer 3 tab to enable and modify these Layer 4 options. After enabling TCP or UDP under the Layer 3 tab, you can specify the Layer 4 protocol and configure source and destination ports accordingly. ○ When you enter a range of Layer 4 destination ports you cannot configure ranges of Layer 2 VLAN identifiers or Layer 3 IP addresses.

Edit or clone packet filters

Follow these steps to edit packet filters.

1. [Navigate to the Connectivity page.](#)
2. Click the **Packet filters** tab.
3. From the **Packet filters** table, click a packet filter.

The **Filter** page displays.

4. From the **Actions** drop-down list, choose **Edit** or **Clone**.
5. After you make the required changes, click **Save**.



Cloning a packet filter is similar to editing a packet filter. When you clone a packet filter, you create a new packet filter with the same parameters as an existing one and then modify the required parameters. Make sure to change the name of the packet filter before you save it.

Delete packet filters

Follow these steps to delete packet filters.

1. [Navigate to the Connectivity page.](#)
2. Click the **Packet filters** tab.
3. From the **Packet filters** table, choose packet filter(s).
4. From the **Actions** drop-down list, choose **Delete packet filters**.

Advanced filters

You can use the advanced filtering option to permit or deny traffic based on Ethernet type and attributes such as Acknowledgment, FIN, Fragments, PSH, RST, SYN, DSCP, Precedence, TTL, packet length, and NVE. Advanced filtering supports the following Ethernet types and options.

Data type	Supported options
IPv4	DSCP, Fragment, Precedence, and TTL.
IPv4 with TCP	Acknowledgment, DSCP, Fragment, FIN, Precedence, PSH, RST, SYN, and TTL.
IPv4 with UDP	DSCP, Fragment, Precedence, and TTL.
IPv6	DSCP and Fragment.
IPv6 with TCP	Acknowledgment, DSCP, Fragment, FIN, PSH, RST, and SYN.
IPv6 with UDP	DSCP and Fragment.



You can use advanced filtering only with NX-API on the Cisco Nexus 9000 platform.

You can set the time to live (TTL) attribute to any value from 0 to 255. On Nexus 9200 devices, you can set the TTL to a maximum value of 3. For other Nexus 9000 series devices running NX-OS version 7.0(3)I6(1) and later, the maximum TTL value you can set is 3. For NX-OS versions 7.0(3)I4(1) and earlier, you can configure any value within the full range.

Limitations of using advanced filters

When you configure advanced filters, you cannot configure the following parameter combinations.

- DSCP and Precedence together.
- Fragments with ACK, SYN, FIN, PSH, or RST.
- Fragments with port numbers when using UDP and an IPv4 or IPv6 combination.
- Precedence with HTTP methods when using IPv4 and TCP.

Span destinations

The **Span destinations** tab displays details about the span ports that connect to the input ports of NDB devices. The input ports receive traffic from the span destination, which is a source on an ACI or NX-OS device. Nexus Dashboard creates a local L2 span destination on an edge span port and creates a remote L3 span destination on a remote edge span port.

You can connect a span destination (on an ACI or NX-OS device) to the input port of an NDB device. You can add a span destination only after you have successfully added an ACI or NX-OS device to the network.

- For an APIC span destination, configure an input port as an edge span port and connect it to the ACI device. Choose the pod, node, and port on the ACI device and set the port as the span destination.
- For an NX-OS (production switch) span destination, configure an input port as an edge span port and connect it to the NX-OS device. Choose the node and port on the NX-OS device and set the

port as the span destination.

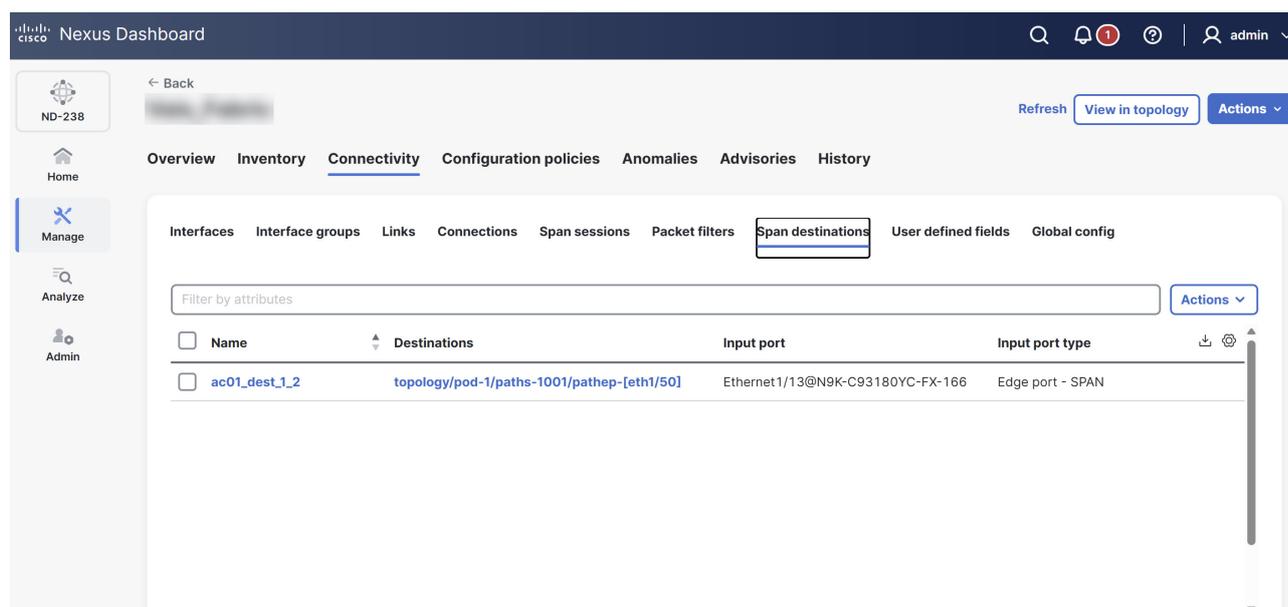
View span destinations

The **Span destinations** tab displays the monitored traffic destinations, source input ports, and the port types that Nexus Dashboard uses for monitoring.

Follow these steps to view the span destinations.

1. [Navigate to the Connectivity page.](#)
2. Click the **Span destinations** tab.

Nexus Dashboard displays the details of the span destinations.



The **Span destinations** table provides the following information.

Field	Description
Name	Specifies the name of the span destination port.
Destinations	Indicates if the span destination is on a Cisco ACI/APIC or other device.
Input port	Provides the input port of the NDB device connected to the span destination.
Input port type	Specifies the type of input port. The following options display. <ul style="list-style-type: none">▪ Edge port - SPAN▪ Remote source edge - SPAN
In use	Indicates whether the span destination is currently in use.
Span device	Provides the details of the span device (the traffic source).
Created by	The user who created the span destination.
Modified by	The user who modified the span destination.

Field	Description
Status description	Provides the description of the current status of the span destination.

Delete span destinations

Follow these steps to delete the span destinations.

1. [Navigate to the Connectivity page](#).
2. Click the **Span destinations** tab.
3. In the **Span destinations** table, choose the span destination(s) that you want to delete.
4. From the **Actions** drop-down list, choose **Delete span destination**.

User defined fields

The **User defined fields** (UDF) tab allows you to view and manage UDF configurations for your NDB devices. While NX-OS devices support many protocols by default, some protocols require manual definition for filtering. You can use UDFs to enable packet filtering on these devices by specifying custom criteria. UDFs allow you to filter traffic based on a specific offset value within a packet. You can match an offset value anywhere within the first 128 bytes of a packet.

The NDB controller automatically generates two default UDFs to support ISL ports.

- udfInnerVlan—Used to match the inner VLAN in IPv4 packets.
- udfInnerVlanv6—Used to match the inner VLAN in IPv6 packets.

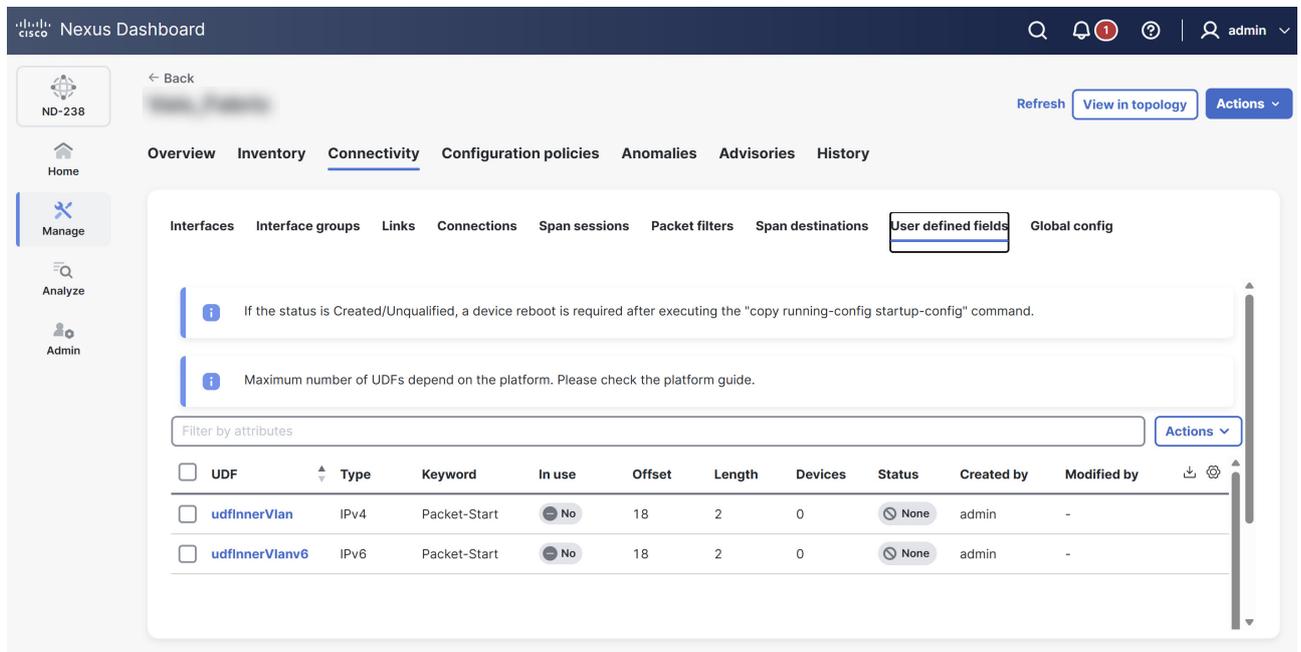
A UDF can match up to two offset bytes. To filter three consecutive bytes in a packet, use two UDFs together. Create the first UDF, then create a second one immediately after it. The second UDF is called the stacking UDF.

View UDF

Follow these steps to view the UDF.

1. [Navigate to the Connectivity page](#).
2. Click the **User defined fields** tab.

Nexus Dashboard displays the details of UDFs.



The **User defined fields** table provides the following information.

Field	Description
UDF	Specifies the name of the UDF. Click the UDF to view more details.
Type	Displays the type of UDF, such as IPv4 or IPv6.
Keyword	Indicates whether the UDF is based on Packet-Start or Header .
In use	Indicates if the UDF is currently in use (often shown with a green tick mark).
Offset	Specifies the byte offset value.
Length	Specifies the number of bytes matched starting from the offset.
Devices	Specifies the number of devices the UDF is applied on.
Status	Indicates the current status of the UDF.
Created by	The user who created the UDF.
Modified by	The user who modified the UDF.

Add UDF

Follow these steps to add UDF.

1. [Navigate to the Connectivity page.](#)
2. Click the **User defined fields** tab.
3. From the **Actions** drop-down list, choose **Add UDF**.

The **Add UDF** page displays.

The screenshot shows the Cisco Nexus Dashboard interface for configuring a User-Defined Field (UDF). The form includes the following fields and options:

- Name***: A text input field with a red error message: "Name is required".
- Type**: A dropdown menu with "IPv4" selected.
- Keyword**: Radio buttons for "Packet-start" (selected) and "Header".
- Offset***: A text input field with "0-127" entered and a red error message: "Offset is required".
- Length***: A text input field with "1-2" entered and a red error message: "Length is required".
- Device**: A dropdown menu with "Select device" and a right arrow.

At the bottom right of the form, there are "Cancel" and "Add" buttons.

4. Provide the following details.

Field	Description
Name	Provide a name for the UDF.
Type	Choose the protocol type for the UDF from the drop-down list.
Keyword	Choose the reference point for the offset, such as Packet-start or Header .
Header	<p>Choose the specific protocol header to use as the offset reference. The following options display.</p> <ul style="list-style-type: none"> ▪ Inner ▪ Outer <p> The Header field appears only when you choose Header as the keyword.</p>
Layer	<p>Choose the network protocol layer (such as Layer 2, Layer 3, or Layer 4) for the UDF.</p> <p> The Layer field appears only when you choose Header as the keyword.</p>
Offset	Specify the starting position of the field.
Length	Specify the length of the UDF.
Device	Choose the device where you want to apply this UDF.

5. Click **Add**.

Use this UDF as a custom filter when you create packet filters for a connection.

Edit or clone UDF

Follow these steps to edit or clone UDF.

1. [Navigate to the Connectivity page](#).
2. Click the **User defined fields** tab.
3. From the **User defined fields** table, click a UDF.

The **User defined fields** page displays.

4. From the **Actions** drop-down list, choose **Edit** or **Clone**.
5. After you make the required changes, click **Save**.



Cloning a UDF is similar to editing a UDF. When you clone a UDF, you create a new UDF with the same parameters as an existing one and then modify the required parameters. Make sure to change the name of the UDF before you save it.

Delete UDF

Follow these steps to delete UDF.

1. [Navigate to the Connectivity page](#).
2. Click the **User defined fields** tab.
3. From the **User defined fields** table, choose UDF(s).
4. From the **Actions** drop-down list, choose **Delete UDF(s)**.

Global config

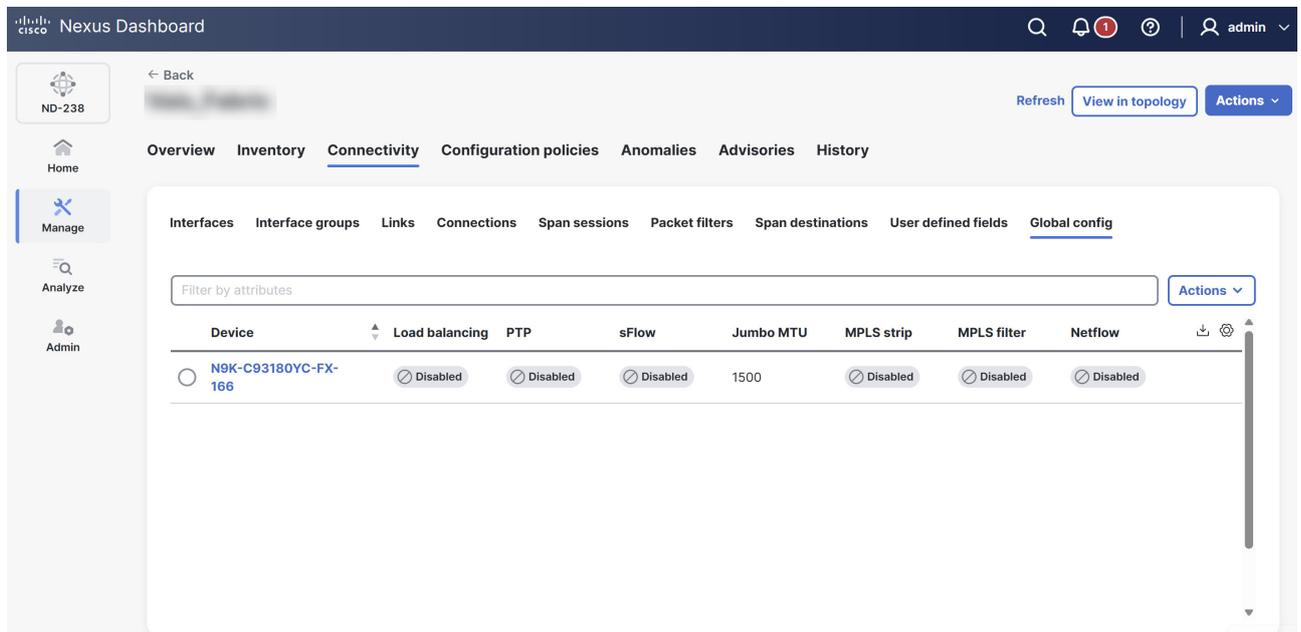
The **Global config** tab lists all devices currently connected to the NDB controller. When you add a new device, the controller automatically displays it here if it has a **Yes** connection status. Nexus Dashboard excludes any devices from this view that maintain a **No** connection status.

View global configuration

Follow these steps to view the global configuration.

1. [Navigate to the Connectivity page](#).
2. Click the **Global config** tab.

Nexus Dashboard displays the global configuration details.



The **Global config** table provides the following information.

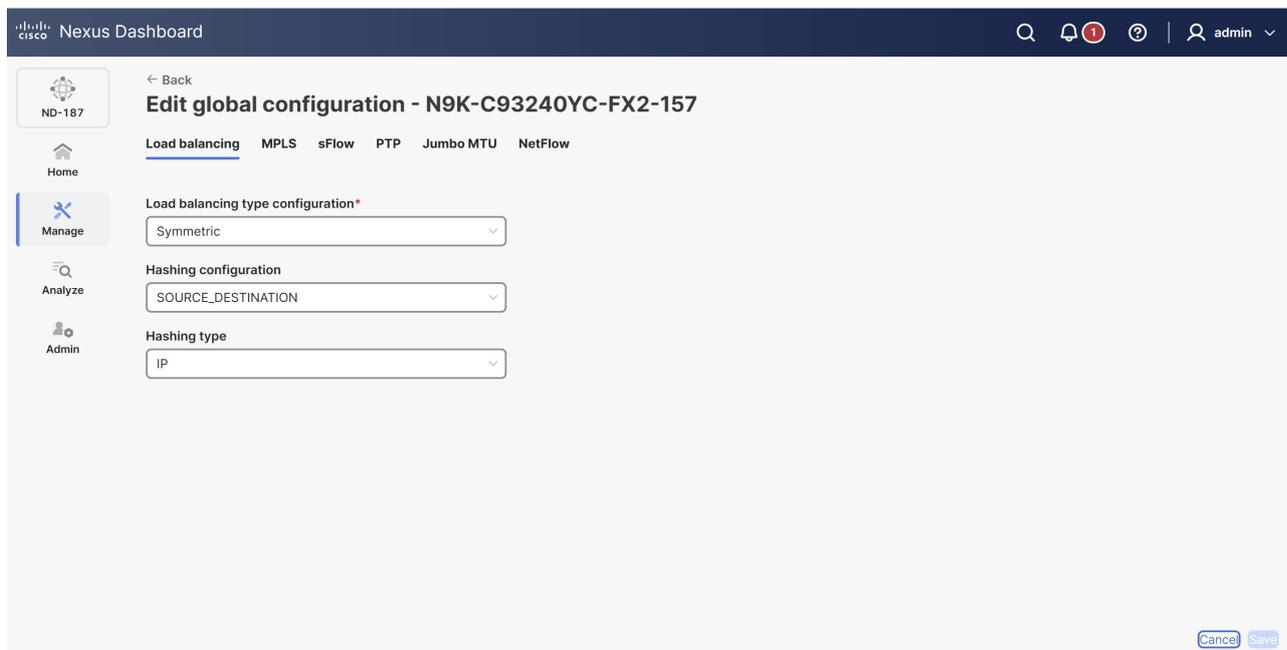
Field	Description
Device	Displays the device name. Click the device name to view the global configuration details for that specific device.
Load balancing	Indicates the load balancing type. Options include Symmetric or Non-symmetric .
PTP	Displays whether the device enables or disables PTP.
sFlow	Indicates whether the device enables or disables sFlow monitoring.
Jumbo MTU	Specifies the maximum transmission unit (MTU) size you can configure for the device.
MPLS strip	Displays whether the device enables or disables MPLS stripping.
MPLS filter	Displays whether the device enables or disables MPLS filter.
NetFlow	Displays whether the device enables or disables NetFlow data collection.

Edit global configuration

Follow these steps to edit the global configuration.

1. [Navigate to the Connectivity page.](#)
2. Click the **Global config** tab.
3. From the **Global config**, choose a device.
4. From the **Actions** drop-down list, choose **Edit global configuration**.

The **Edit global configuration** page displays.



The following tabs display.

Field	Description
Load balancing	<p>The Load balancing tab displays the following options.</p> <ul style="list-style-type: none"> ▪ Load Balancing type configuration list ▪ Hashing configuration ▪ Hashing type
MPLS	<p>The MPLS tab displays the following options.</p> <ul style="list-style-type: none"> ▪ MPLS strip type configuration ▪ Enable MPLS filter configuration
sFlow	<p>Click Enable sFlow to view the following options.</p> <ul style="list-style-type: none"> ▪ Agent IP address ▪ Select VRF ▪ Collector IP address ▪ Collector UDP port ▪ Counter poll interval ▪ Max datagram size ▪ Max sampled size ▪ Sampling rate ▪ Data source(s) <div style="display: flex; align-items: center; margin-top: 10px;"> <div style="margin-right: 10px;">  </div> <p>Use the show sFlow command to verify the sFlow configuration on a device.</p> </div>

Field	Description
PTP	<p>Click Enable PTP to view the following options.</p> <ul style="list-style-type: none"> ▪ Source IP address ▪ Ports <div style="display: flex; align-items: center; margin-top: 10px;">  <p>Enable PTP on all devices in the network to ensure PTP clock time synchronization. Nexus Dashboard uses PTP for timestamping on the input ports and for monitoring tools.</p> </div>
Jumbo MTU	<p>Defines the maximum MTU value the device can accept. Enter an MTU value between 1502 and 9216.</p>
NetFlow	<p>Click Enable NetFlow to view the following options.</p> <p>To define the NetFlow parameters, complete the following configurations in the specified order.</p> <ul style="list-style-type: none"> ▪ Add record for NetFlow ▪ Add exporter for NetFlow ▪ Add monitor for NetFlow

5. After updating the required fields, click **Save** to apply the configuration changes.

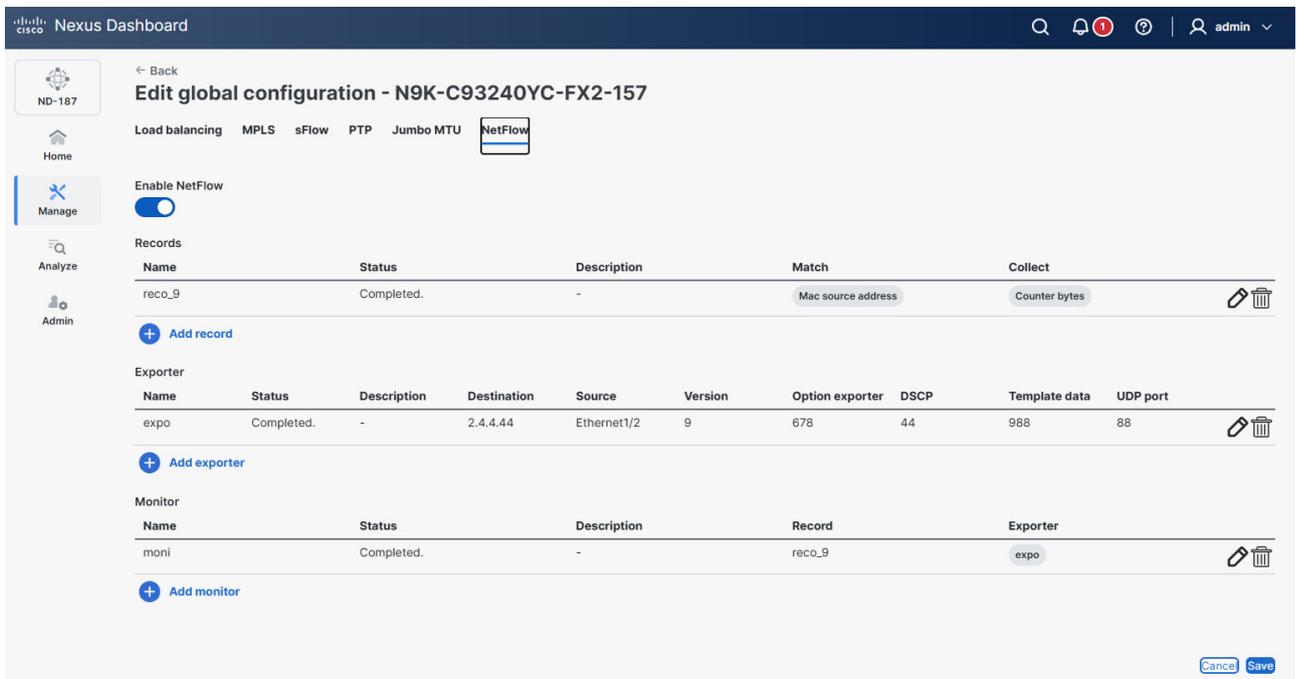
Add record for NetFlow

A flow record specifies the keys that NetFlow uses to identify packets and the other fields of interest that NetFlow gathers for the flow. The flow record determines how much data NetFlow collects for a flow.

Follow these steps to add flow record.

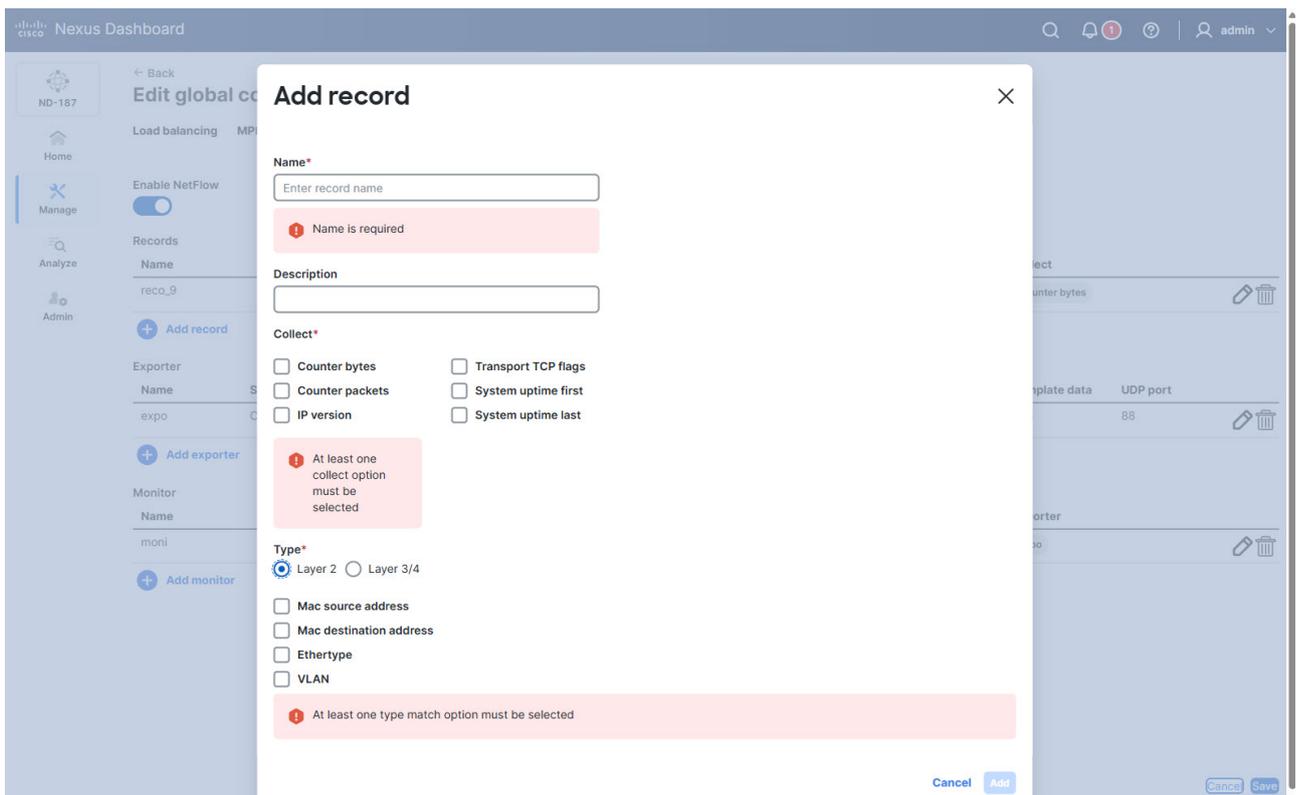
1. [Navigate to the Connectivity page](#).
2. Click the **Global config** tab.
3. From the **Global config**, choose a device.
4. From the **Actions** drop-down list, choose **Edit global configuration**.

The **Edit global configuration** page displays.



5. Click the **NetFlow** tab.
6. From the **Records** table, click **Add record**.

The **Add record** dialog box displays.



Provide the following details in the **Add record** dialog box.

Field	Description
Name	Provide a name for the flow record.
Description	Provide a brief description for the record.

Field	Description
Collect	<p>Choose the options for the data you wish to collect.</p> <ul style="list-style-type: none"> ▪ Counter bytes ▪ Counter packets ▪ IP version ▪ Transport TCP flags ▪ System uptime first ▪ System uptime last
Type	<p>Choose one of the following options.</p> <ul style="list-style-type: none"> ▪ Layer 2 <p>The following type match options appear when you choose Layer 2.</p> <ul style="list-style-type: none"> ○ Mac source address ○ Mac destination address ○ Ethertype ○ VLAN ▪ Layer 3/4 <p>The following type match options appear when you choose Layer 3/4.</p> <ul style="list-style-type: none"> ○ IP protocol ○ IP TOS ○ Transport source port ○ Transport destination port ○ IPv4 source address ○ IPv4 destination address ○ IPv6 source address ○ IPv6 destination address ○ IPv6 flow-label ○ IPv6 options

7. Click **Add** to save the record.

Add exporter for NetFlow

The flow exporter configuration defines the export parameters for a flow and specifies how to reach the remote NetFlow collector. A flow exporter includes network layer and transport layer details for the NetFlow export packet.

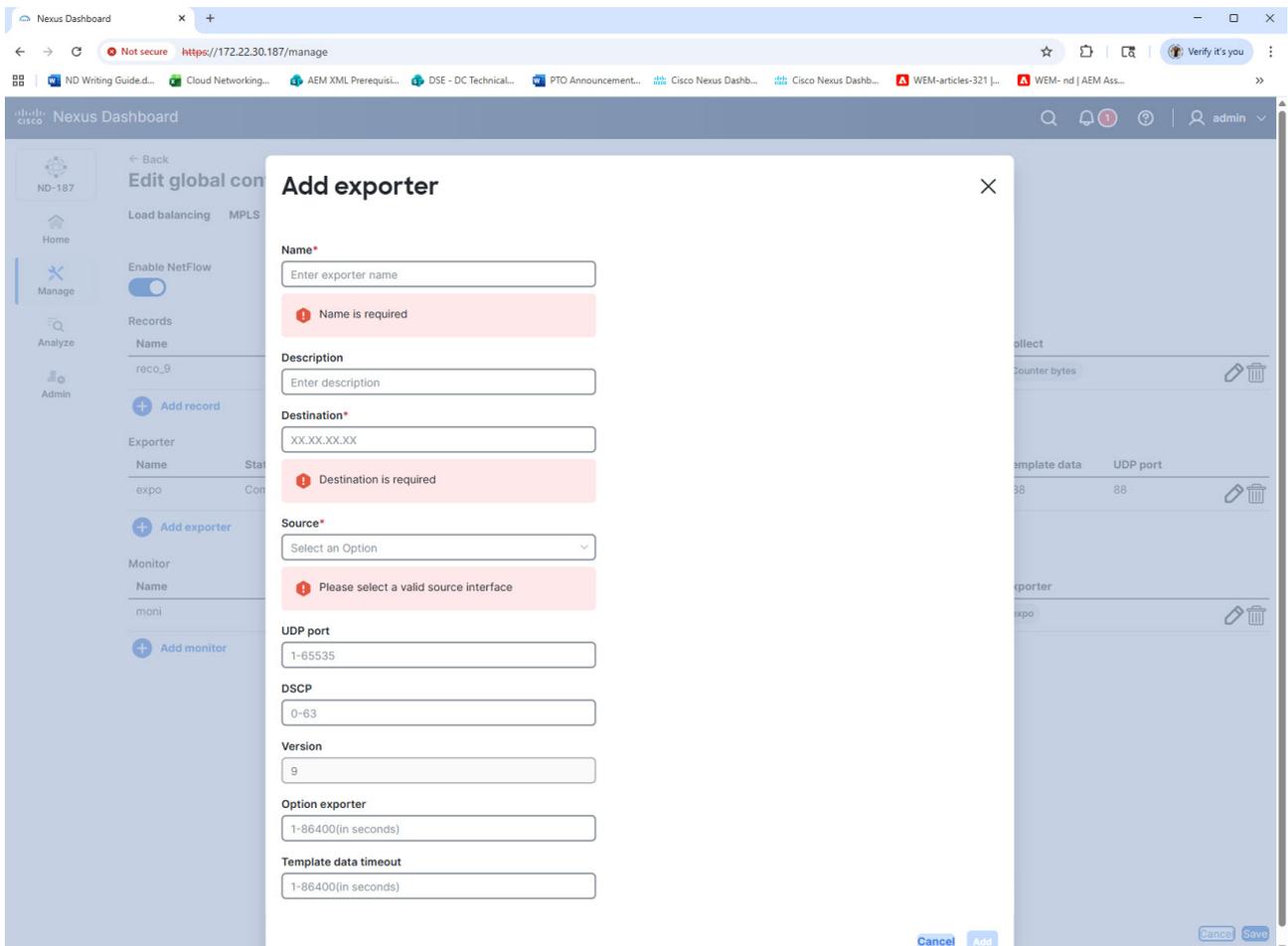
Follow these steps to add flow exporter.

1. [Navigate to the Connectivity page.](#)
2. Click the **Global config** tab.
3. From the **Global config**, choose a device.
4. From the **Actions** drop-down list, choose **Edit global configuration**.

The **Edit global configuration** page displays.

5. Click the **NetFlow** tab.
6. From the **Exporter** table, click **Add exporter**.

The **Add exporter** dialog box displays.



Provide the following details in the **Add exporter** dialog box.

Field	Description
Name	Provide a name for the exporter.
Description	Provide a brief description to identify the exporter.
Destination	Enter the IP address of the remote NetFlow collector.
Source	Choose a valid source interface from the drop-down list.
UDP port	Enter the UDP port number used for export.

Field	Description
DSCP	Enter the Differentiated Services Code Point (DSCP) value.
Version	Enter the NetFlow version (default is 9).
Option exporter	Enter the timeout interval for exporting options in seconds.
Template data timeout	Enter the timeout interval for exporting template data in seconds.

7. Click **Add** to save the exporter configuration.

Add monitor for NetFlow

You can create a flow monitor and associate it with a flow record and a flow exporter. The monitor uses the associated flow record to identify and analyze different fields in all its flows, and then exports the data to the specified flow exporter.

Follow these steps to add flow monitor.

1. [Navigate to the Connectivity page.](#)
2. Click the **Global config** tab.
3. From the **Global config**, choose a device.
4. From the **Actions** drop-down list, choose **Edit global configuration**.

The **Edit global configuration** page displays.

5. Click the **NetFlow** tab.
6. From the **Monitor** table, click **Add monitor**.

The **Add monitor** dialog box displays.

Provide the following details in the **Add monitor** dialog box.

Field	Description
Name	Provide a name for the monitor.
Description	Provide a brief description to help identify the monitor.
Record	Click Select record to choose the NetFlow record that defines the fields you monitor.
Exporter	<p>Click Select exporter to choose the NetFlow exporter that receives the collected data.</p> <p> You can choose a maximum of two flow exporters for a monitor.</p>

7. Click **Add** to complete the configuration.

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Americas Headquarters

Cisco Systems, Inc.

170 West Tasman Drive

San Jose, CA 95134-1706

USA

<https://www.cisco.com>

Tel: 408 526-4000

800 553-NETS (6387)

Fax: 408 527-0883