

## **Viewing Consistency Check**

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## **Consistency Check**

Consistency check shows the number of controller or node inconsistencies for each device and provides option to resolve the inconsistency issues. The consistency check feature shows three types of inconsistencies:

- Controller flows inconsistency: Flows are present in Cisco NDB, but missing from the device.
- Node flows inconsistency: Flows are present in the switch, but missing from Cisco NDB.
- ACL attachment on port inconsistency (applicable only for NX-API): Incorrect ACLs are attached to the interface(s) of an NDB device. To fix this type of inconsistency, see Fixing Inconsistent ACL Attachment on a Port, on page 2 procedure.

## **Viewing Consistency Check**

To check for inconsistency for an OpenFlow or NX-API based device, complete the following steps: On the **Consistency Check** tab, the following details are displayed:

- Step 1 Navigate to ADMINISTRATION > Consistency Check.
- Step 2 Click FLOW CHECK NX-API/OpenFlow tab to view the summary of inconsistencies for the NX-API/OpenFlow based devices. On the Consistency Check tab, the following details are displayed:
  - Node Name
  - · Inconsistent Controller Flow
  - Inconsistent Node Flow
  - Non NDB Flows

Inconsistent ACL Attachment on Port

**Note** To fix an inconsistent flow, select the devices from the list and click **Fix Inconsistent Flow**.

- **Step 3** To view detailed inconsistency information:
  - Click Inconsistent Controller Flows to view the controller inconsistencies.
  - Click Inconsistent Node Flows to view the node inconsistencies.
  - Click Non NDB Flows (available only for NX-API) to view the ACLs present in the device by default or added manually.
- **Step 4** To resolve the inconsistency issues:
  - Click **Fix Inconsistent Flows** on the **Controller Inconsistent** page, to add the missing controller flows to the device.
  - Click Fix Inconsistent Flows on the Node Inconsistent page, to remove the stale flows from the device.

## Fixing Inconsistent ACL Attachment on a Port

Use this procedure to fix the incorrect acls attached to a port of an NDB switch.

A few example scenarios that indicates inconsistent port ACL attachment:

- A configured port should have a port acl attached, and not a global acl.
- Default acls, such as MAC, ipv4, ipv6 are not attached to the port.
- When ISLs are discovered, *globalacl* is indicated on the port, instead of *portacl*.
- **Step 1** Log in to Cisco Nexus Data Broker.
- Step 2 Navigate to Administration > Consistency Check > Flow Check NX-API.
- **Step 3** Select the device by checking the check-box and click the **Inconsistent ACL Attachment on Port** button.

A new window is displayed with the interface details of the inconsistent ACL attachment on ports for the selected device. The inconsistencies are categorized as:

- Inconsistent attachment—incorrect ACL(s) attached to a port.
- Not attached—ACLs are not attached to a port.
- Attachement to be removed—a port channel member should not have any ACL(s) attached to it, but in case it has, then it will be displayed under this heading.
- **Step 4** Select the inconsistency to be fixed by checking the corresponding check-box.
- **Step 5** Click the **Fix Inconsistencies** button. This action sets the correct ACL(s) on the interface(s) of the NDB switch.

Click the **Export All** button to get a .csv file of all the inconsistencies for the selected device.