Monitoring and Operations

This chapter includes information about monitoring and operations devices that are part of the Cisco SAE solution.

View NSO Device Notifications

The notification screen displays the NSO notifications for devices and Service State Changes.

Table 1: Feature Hstory

Feature Name	Release Information	Description
View NSO Notifications	Cisco SAE GUI Release 2.2.0	This feature enables you to view notifications about devices and service state changes. The notifications you see are extracted from NSO.

Step 1 Click **Monitoring & Operations** at the top-right corner of the homepage. The page displays a list of device notifications by default for a preselected period.

Click **Notifications** > **Device Notifications** to view a list of notification for the devices.

Step 2 (Optional) To filter the notifications for a specific date range, click the calendar next to the Start Date and End Date to modify dates and click **Filter**.

Click the **Export** button to export in bulk either in JSON or XML format.

Step 3 (Optional) To select the columns, click the **Select Columns** dropdown list and select the appropriate checkbox.

(Optional) To filter a specific row, click the checkbox next to **Filter Rows** and in the table list view enter the value in the appropriate column to filter the rows.

View Service State Changes Notifications

The Service State Changes notifiation screen displays the information about the Provider and Tenant level services for component, state, operation and status.

Table 2: Feature History

Feature Name	Release Information	Description
View Service State Change notifications	Cisco SAE GUI Release 2.2.0	This feature enables you to view notifications about a service state change. The notifications you see are extracted from NSO.

Step 1 Click **Monitoring & Operations** at the top-right corner and click **Notificatios**>**Service State Changes**. The page displays a list of service state changes notifications by default for a preselected period.

Step 2 (Optional) To filter the notifications for a specific date range, click the calendar next to the Start Date and End Date to modify dates and click **Filter**.

Click the **Export** button to export in bulk either in JSON or XML format.

Step 3 (Optional) To select the columns, click the **Select Columns** drop-down list and select the appropriate checkbox.

(Optional) To filter a specific row, click the checkbox next to **Filter Rows** and in the table list view enter the value in the appropriate column to filter the rows.

View NSO Information

The NSO Info screen displays the HA info, NSO version, license summary and various packages with their versions and status. The informations displayed on the screen is static.

Step 1   Click your **Username** at the top-right corner of the homepage.

Step 2   Choose **NSO Info**. A pop-up screen for NSO information opens with HA info, license summary and packages tab.

NSO Information					×
HA INFO	LICENSE SUMMARY	PACKAGES	DEVICE TEMPLATES	CUSTOM TEMPLATES	

NSO INFO:

NSO IP	NSO VERSION	HA MODE
9.9.9.208	5.2.3.6	✓

VIP INFO:

ADDRESS	BROADCAST ADDRESS
9.9.9.208	---

HA MEMBER INFO:

NAME	ADDRESS	DEFAULT HA ROLE	FAILOVER MASTER	CLUSTER MANAGER	QUAGGA DEVICE
NSO-89-25	9.9.30.25	master	---	---	---
NSO-89-29	9.9.30.29	slave	true	---	---

Step 3   **HA Info:** By default the **HA Info** tab opens. It contains informations about the **NSO IP**, **NSO Version** and **HA Info**.

Step 4   **License Summary:** This tab consists of the license summary of the NSO.

Step 5   **Packages:** This tab contains the information about the various packages used **Name**, their version **Package Version** and status **UP** (UP or Down). The green checkmark indicates the UP status.

(Optional) To select the columns, click the **Select Columns** drop-down list and select the appropriate checkbox.

(Optional) To filter a specific row, click the checkbox next to **Filter Rows** and in the table list view enter the value in the appropriate column to filter the rows.