

Viewing Device Status

NSM keeps you up-to-date on the health of your network with the following information:

- View critical information about your devices and IDP sensors in the Device Monitor:
 - Configuration and connection status of your security devices
 - Individual device details, such as memory usage and active sessions
 - Device statistics
- View the status of your IDP clusters in the IDP Cluster Monitor.

Table 1 lists and describes device information that you can view through the Device Monitor.

Table 1: Device Status Information

Column	Description
Name	Unique name assigned to the device in NSM.
Domain	Domain in NSM in which the device is managed.
Platform	Model number of the device.
OS Version	Operating system firmware version running on the device.

Table 1: Device Status Information (continued)

Column	Description
Config Status	<p>Current configuration status of the device in NSM:</p> <ul style="list-style-type: none">■ None—No state has been set (does not show in Device Monitor).■ Modeled—The device exists in NSM, but a connection to the device has not yet been established.■ RMA—Equivalent to bringing the device into the Modeled state. RMA results from an administrator selection in the UI when a device goes down.■ Waiting for 1st connect—NSM is waiting for the device to connect. You must enter a command on the device to make it connect to NSM.■ Import Needed—You must import the configuration of the device into NSM. When you add a device for the first time, verify that your status indicates “Import Needed” before you attempt to import the device. During migration, this state indicates that import of the security device configuration is still required.■ OS Version Adjustment Needed—The firmware version detected running on the device is different from what was previously detected in NSM. This could happen in the event that the automatic adjustment option was cleared during a change device firmware directive or an Update Device directive was issued to an IDP device with a firmware version mismatch.■ Platform Mismatch—The device platform selected when adding the DMI device in NSM does not match the device itself. A device in this state cannot connect to NSM.■ Device Firmware Mismatch—The OS version selected when adding a DMI device does not match the OS version running on the device itself.■ Device Type Mismatch—The type of device specified when adding the device in NSM does not match the device itself. The device type might indicate whether the device is part of a vsys device, part of a cluster, or part of a virtual chassis. A device in this state cannot connect to NSM.■ Detected duplicate serial number—The device has the same sequence number as another managed device. A device in this state cannot connect to NSM.■ Update Needed—An update to this device is required.■ Managed—The device is currently being managed by NSM.■ Managed, In Sync—The physical device configuration is synced with the modeled configuration in NSM.

Table 1: Device Status Information (continued)

Column	Description
Config Status (continued)	<ul style="list-style-type: none"> ■ Managed, Device Changed—The physical device configuration is out of sync with the modeled configuration in NSM. Changes were made to the physical device configuration (the configuration on the physical device is newer than the modeled configuration). ■ Managed, NSM Changed—The modeled device configuration is out of sync with the physical device configuration. Changes were made to the modeled configuration (the configuration on the NSM is newer than the physical device configuration). ■ Managed, NSM and Device Changed—Both device configurations (physical and modeled) are out of sync with each other. Changes were made to the physical device configuration and to the modeled configuration. ■ Managed, Sync Pending—Completion of the Update Device directive is suspended and waiting for the device to reconnect. This state occurs only for ScreenOS devices that have the Update When Device Connects option selected during the device update.
Connection Status	<p>Connection status of the device in NSM:</p> <ul style="list-style-type: none"> ■ Up—Device is currently connected to NSM. ■ Down—Device is not currently connected to NSM but has connected in the past. ■ Never Connected—Device has never connected to NSM. <p>The Device Server checks the connection status of each device every 120 seconds by default. You can change this behavior by editing the value for the <code>devDaemon.deviceHeartbeatTimeout</code> parameter in the Device Server configuration file. Refer to the <i>Network and Security Manager Installation Guide</i> for more information on editing configuration files.</p> <p>NOTE: If the network connection goes down for a period longer than six to eight minutes, the device connection will permanently time out. If this occurs and the device goes down for any reason, the device still appears as Up in the Device Monitor.</p>
Alarm	<p>Displays the current alarm status for each device in NSM:</p> <ul style="list-style-type: none"> ■ If device has any alarms, the most severe alarm severity is displayed (either Major or Minor). ■ None—The device has no alarms. ■ Unknown—The device status is unknown. For example, the device might not be connected. ■ N/A—The device's alarm is not pollable or discoverable, for example, this column shows "N/A" for ScreenOS and IDP devices. ■ Alarm is colored: <ul style="list-style-type: none"> ■ Red for Major. ■ Orange for Minor. ■ Green for Ignore, None, Unknown, or N/A.

Table 1: Device Status Information (continued)

Column	Description
H/W Inventory Status	Displays the inventory status for hardware on the device: <ul style="list-style-type: none">■ In Sync—The inventory information in the NSM database is synchronized with the information on the device.■ Out Of Sync—The inventory information in the NSM database is not synchronized with the information on the device.■ N/A—The connected device is a ScreenOS or IDP device, or the device is not connected and imported.
S/W Inventory Status	Displays the inventory status for software on the device: <ul style="list-style-type: none">■ In Sync—The inventory information in the NSM database is synchronized with the software on the device.■ Out Of Sync—The inventory information in the NSM database is not synchronized with the software on the device.■ N/A—The connected device is a ScreenOS or IDP device, or the device is not connected and imported.
License Inventory Status	Displays the inventory status for software on the device: <ul style="list-style-type: none">■ In Sync—The inventory information in the NSM database is synchronized with the licenses on the device.■ Out Of Sync—The inventory information in the NSM database is not synchronized with the licenses on the device.■ N/A—The connected device is a ScreenOS or IDP device, or the device is not connected and imported.
First Connect	The first time the security device connected to the NSM device server.
Latest Connect	The last time the security device connected to the NSM device server.
Latest Disconnect	The last time the security device disconnected from the NSM device server.

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