

About Device Creation

Before Network and Security Manager (NSM) can manage devices, you must first add those devices to the management system using the NSM user interface (UI). To add a device, you create an object in the UI that represents the physical device, and then create a connection between the UI object and the physical device so that their information is linked. When you make a change to the UI device object, you can push that information to the real device so the two remain synchronized. You can add a single device at a time or add multiple devices all at once.



NOTE: The connection between a managed device and the NSM Device Server must be at least 28.8 Kbps.

How you add your devices to the management system depends on the network status of the device. You can import deployed devices, or you can model devices that have not yet been deployed:

- Import deployed devices—Deployed devices are the devices you are currently using in your existing network. These devices have already been configured with a static or dynamic IP address and other basic information. For deployed devices, you can import the existing device configuration information into NSM.



NOTE: To import device configurations, the connection between NSM and the managed device must be at least 28.8 Kbps. For details on installing NSM on your network, refer to the *Network and Security Manager Installation Guide*.

- Model undeployed devices—Undeployed devices are devices that you are not currently using in your network and, typically for which, you do not have IP addresses, zones, or other basic network information. For undeployed devices, you can model a new device configuration and later install that configuration on the device.

To help you add a device, the UI contains an Add Device wizard that walks you through each step of the device creation process. The Add Device wizard prompts you to first choose a workflow from the given options. **Device is reachable** is the default option. The wizard then prompts you for specific device information, such as the device platform name, OS name and version, IP address, and device administrator name, and then uses that information to detect the device. You can then choose to modify the displayed name of the device and assign a color to the device. If the host name is not unique within NSM or is undetected, the Add Device wizard generates a validation error, forcing you to add a valid device name in order to proceed with adding the physical device to the Device Server.

After the physical device connects, it is considered to be a *managed device*, meaning it is now under the control of NSM.

For more detailed information about verifying and managing a device, see “About Device Creation” in the *Network and Security Manager Administration Guide*.

- Related Topics**
- Supported Add Device Workflows for M-series and MX-series Devices
 - Importing Devices Overview
 - Modeling Devices Overview
 - Adding Multiple Devices Using Automatic Discovery (JUNOS Software Devices Only)
 - Adding Device Groups Overview