

Importing Multiple Infranet Controllers

If your network includes a large number of devices, you can save time by adding multiple devices in a single workflow. You can add up to 4000 devices at a time to a single domain (but you cannot add multiple devices to different domains at one time).

Add multiple Infranet Controllers by following these procedures:

1. Creating the CSV File on page 1
2. Validating the CSV File on page 2
3. Adding and Importing Multiple Infranet Controllers on page 3

Creating the CSV File

The CSV file defines all the required and optional values for each Infranet Controller device. Within a .csv file, you define the Infranet Controller configuration values that you want to add. The required and optional values depend not only on how the Infranet Controllers are deployed on your network but also on the device family.

Juniper Networks provides CSV templates in Microsoft Excel format for each type of CSV file. These templates are located in the utils subdirectory where you have stored the program files for the UI client. For example:

C:\Program Files\Network and Security Manager\utils

For each CSV file, each row defines a single Infranet Controller's values for each parameter. For text files, columns are separated by commas.

Creating Infranet Controller Parameters in CSV File

For an Infranet Controller, Table 1 on page 1 lists the parameters to be set in the CSV file.

Table 1: CSV File Information for Infranet Controllers

Field	Type	Required	Acceptable Values
Name	String	yes	ic-6500, ic-4500
Color	String	yes	blue, red, green, yellow, cyan, magenta, orange, pink.
OS Name	String	yes	IC
Platform	String	yes	IC-4500, IC-6500
Device Subtype	String	yes	Set to "none"
Managed OS Version	String	yes	2.2
Device Admin Name	String	yes	< administrator >

Table 1: CSV File Information for Infranet Controllers (continued)

Field	Type	Required	Acceptable Values
Device Admin Password	String	yes	< password > Must be a minimum of nine characters.

Using an Excel File to Add Multiple Infranet Controllers

To edit the Excel file to add multiple Infranet Controllers:

1. Copy and open either the `bulkadd_nonreachable-sample.csv` file or the `bulkadd_nonreachable-DMI-sample.csv` file located in `C:/Program Files/Network and Security Manager/utils`.
2. Using one row for each Infranet Controller you want to add, enter the required values for each parameter that you wish to set for them. You can also provide optional values, if desired.
3. Save the file to a location on your local drive.

Using a Text File to Add Multiple Infranet Controllers

To add multiple Infranet Controllers using a text file, create a text file with the following text:

1. Open a text file and add the Infranet Controllers and its parameters as follows:

Ic-6000, blue, ic, IC-6000, none, root, 2.2, netscreen

Ic-6500, pink, ic, IC-6500, none, root, 2.2, netscreen

Ic-4000, cyan, ic, IC-4000, none, root, 2.2, netscreen

Ic-4500, pink, ic, IC-4500, none, root, 2.2, netscreen

2. Save the file as a `.csv` file.

Validating the CSV File

When you add the Infranet Controllers, NSM validates the configuration information in the `.csv` file and creates a validation report. The report lists any incorrect or duplicate configurations, and indicates the exact line that contains invalid data.



NOTE: The validation report displays only the first error in the line. If the line contains additional errors, those errors do not appear in the validation report.

Select **Cancel** to quit adding multiple Infranet Controllers, or select **Add Valid Devices** to begin adding the Infranet Controllers for which you have provided valid device configurations.

If the validation report listed incorrect configurations, you can still select **Add Valid Devices**; however, only the devices with correct configurations are added. If the .csv file contains duplicate configurations, NSM ignores the duplicates.

After you have added multiple Infranet Controllers, you cannot roll back or undo your changes. To edit or delete Infranet Controllers, select the Infranet Controller in the NSM UI and make the necessary changes.

Adding and Importing Multiple Infranet Controllers

To add and import multiple Infranet Controllers in the NSM UI:

1. From the left pane of the NSM UI, click **Configure**.
2. Expand **Device Manager** and select **Devices**. The Devices workspace appears on the right side of the screen.
3. Click the **Device Tree** tab, click the **New** button, and select **Many Devices**. The New-Device dialog box appears.
4. In the New-Device dialog box:
 - Select **Device is Not Reachable**.
 - Specify the location of the CSV file.
 - Specify the output directory for the .cli file. For each valid device configuration that uses a dynamic IP address, NSM creates a .cli output file. By default, the .cli file is saved to the following GUI server directory:


```
/usr/netscreen/GuiSvr/var/ManyDevicesOutput/<inputFile_YYYYMMDDHHMM>/
```


Before the Infranet Controllers can be managed by NSM, you must enter the CLI commands in the .cli file on the physical security device.
5. Click **Next**. The Add Device wizard validates the CSV file and provides a validation report.
 - Select **Cancel** to quit the Add Many Devices process.
 - Select **Add Valid Devices** to begin adding the devices for which you have provided valid device configurations.
6. From the Choose Device Server Connections Parameter area select:
 - **Use Default Device Server IP Address and Port**—Connects the device to the NSM device server IP address and port.
 - **Use Device Server Through MIP**—Connects the NSM device server through a mapped IP address and port.
7. Click **Finish** to add the Infranet Controllers.

The time it takes for NSM to activate and import the Infranet Controllers depends on the number of Infranet Controllers and the management system configuration.

- Related Topics**
- Importing an Infranet Controller Device
 - Adding an Infranet Controller Cluster with Imported Cluster Members

- Creating and Applying an Infranet Controller Template
- Verifying Imported Device Configurations