



CHAPTER 5

Managing File Assignments

You can use the options on the Assignments tab to manage device and file assignments. For example, if a new PIX security appliance software image is available, you can download the file, add it to AUS, and then assign it to one or more devices. (For information on adding images, see [Adding Software Images, page 4-2](#).) This is beneficial when a new file release fixes a security problem that an older version of the file did not address.

You can assign multiple files to a single device. For example, you can assign a PIX security appliance software image, an ASA software image, a PDM image, an ASDM image, an ASA configuration file, and a PIX configuration file to a single device. See [Figure 5-1](#).

You can also assign single files to multiple devices. For example, you can assign the same PIX security appliance software image, ASA software image, ASDM image, or PDM image to many devices. See [Figure 5-2](#).



Note

You cannot assign a PIX or ASA configuration file to multiple devices.

Figure 5-1 Assigning Multiple Files to One Device

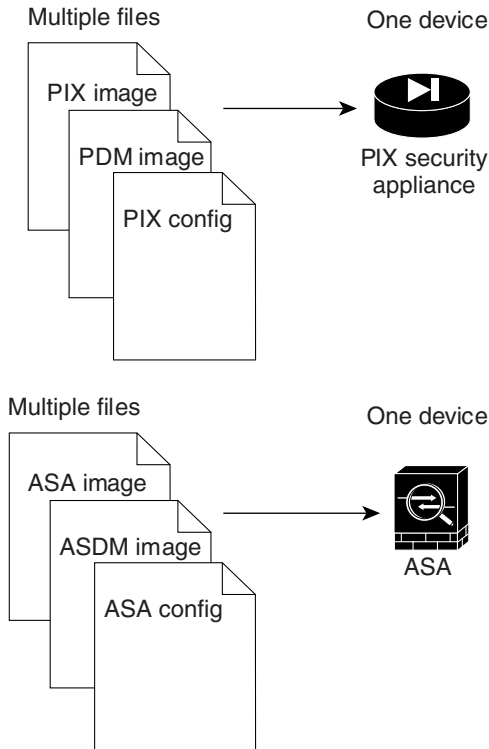
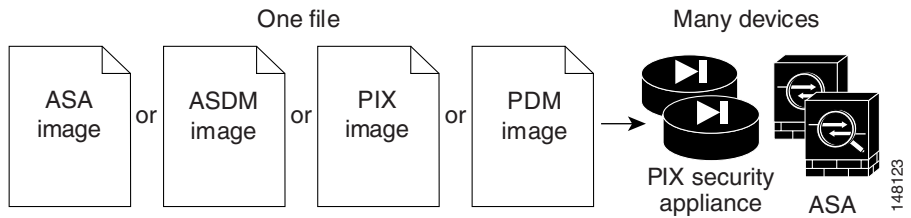


Figure 5-2 Assigning Multiple Devices to One File



These topics help you manage device and image assignments:

- [Viewing the Device Assignment Summary, page 5-3](#)
- [Assigning and Unassigning Files to a Single Device, page 5-4](#)
- [Viewing the File Assignment Summary, page 5-6](#)
- [Assigning and Unassigning a File to Multiple Devices, page 5-7](#)

Viewing the Device Assignment Summary

From the Assignments tab, select the Assign Files to a Device option to display the Device Assignment Summary table (Table 5-1). The table displays information about the files assigned to each device.

Click a column name to sort the table by column information. You can also filter the information displayed in the table.

Table 5-1 **Device Assignment Summary**

Element	Description
Family list	Shows the series to which a device belongs, for example, PIX. Select the family from the list to filter the table according to family. Note The family type is displayed as PIX for both PIX security appliance and ASA devices. You can differentiate between the two by seeing the device type.
Type list	Shows the type of device in a family for example, PIX-535 or ASA-5500. Select the type from the list to filter the table according to type.
Search field	Enables you to enter the ID of the device for which you want to search.
Go button	Begins a search for the information in the Search field.
Device ID radio button	Assigns files to a device.

Table 5-1 Device Assignment Summary (continued)

Element	Description
Device ID column	Shows the name the device uses when identifying itself to AUS, which might be different from hostname. Clicking an entry in the Device ID column provides you with a table showing the device and mapping file information for that particular device.
Family column	Shows the series to which the device belongs, for example, PIX. Note The family type will be displayed as PIX for both PIX security appliance and ASA devices. You can differentiate between the two by the device type.
Type column	Shows the type of device in a family, for example, PIX-535.
PDM Image column	Shows the name of the PDM or ASDM image file.
PIX Image column	Shows the name of the PIX Firewall or ASA image file.
PIX Config column	Shows the name of the PIX Firewall or ASA configuration file.
Rows per page list	Specifies the number of rows per page to display.
Assign Files button	Assigns files to devices.

Assigning and Unassigning Files to a Single Device

From the Device Assignment Summary page, you can assign and unassign PIX security appliance software images, ASA software images, ASDM images, PDM images, and configuration files to or from a device. If a new PIX security appliance software image, ASA software image, ASDM image, or PDM image is available, you can unassign the previously assigned image and assign the new

image to one or more devices. This is beneficial if the new image or configuration file release fixes a security problem that the older version of the file did not address.


Caution

When changing a PIX security appliance software image or ASA software image, make sure that the existing configuration file will work with the new image. If an incompatible software image is downloaded, the security appliance will drop all unsupported commands and might experience configuration errors.

This procedure describes how to assign files to a device.

-
- Step 1** Select **Assignments > Assign Files to a Device**. The Device Assignment Summary page appears.
 - Step 2** Click the radio button for the device to which you want to assign files.
 - Step 3** Click **Assign Files**. The Select Images to Assign page appears. Perform tasks as described in [Table 5-2](#).
 - Step 4** Click **OK** to assign the files to the device. To exit the page without making any changes, click **Cancel**.
-

Table 5-2 *Select Images to Assign Page*

Element	Description
Device row	Shows the name of the device to which you are assigning a file.
Family row	Shows the series to which the device belongs.
Type row	Shows the type of family to which the device belongs.

Table 5-2 *Select Images to Assign Page (continued)*

Element	Description
Config list	<p>Enables you to select a PIX security appliance or ASA configuration file to assign to the device. Do one of the following:</p> <ul style="list-style-type: none"> To assign a configuration file, select the name of the PIX security appliance or ASA configuration file to assign to the device. To unassign a configuration file, select none.
PIX Image list	<p>Enables you to select a PIX security appliance or ASA software image to assign to the device. Do one of the following:</p> <ul style="list-style-type: none"> To assign a PIX security appliance or an ASA software image, select the name of the PIX security appliance or ASA software image to assign to the device. To unassign a PIX security appliance or an ASA software image, select none.
PDM list	<p>Enables you to select a PDM or ASDM image to assign to the device. Do one of the following:</p> <ul style="list-style-type: none"> To assign a PDM or an ASDM image, select the name of the PDM or ASDM image to assign to the device. To unassign a PDM or an ASDM image, select none.

Viewing the File Assignment Summary

From the Assignments tab, select the Assign a File to Devices option to display the File Assignments Summary table (Table 5-3). The table lists files and the number of devices that refer to each file.

Click a column name to sort the table by column information. You can also filter and search the table

Table 5-3 *File Assignments Summary*

Element	Description
Type list	Shows the type of software file, for example, PIX or PDM image. Select the software file type from the list to filter the table according to software file type.
Search field	Enables you to enter the filename for which you want to search for within the table.
Go button	Begins a search for the information in the Search field.
Radio button	Selects a file to which to assign devices.
Name column	Shows the name of the file. Clicking on an entry in the Name column displays a table showing information about the file and the devices assigned to it.
Type column	Shows the type of software file.
Version column	Shows the version of the file.
No. of Devices column	Shows the number of devices assigned to a file.
Rows per page list	Specifies the number of rows per page to display.

Assigning and Unassigning a File to Multiple Devices

From the File Assignment Summary page, you can assign or unassign multiple devices to a PIX security appliance software image, ASA software image, PDM image, ASDM image or configuration file. Use the File Assignment Summary page if a new image is available. You can download an image, add it to AUS, and assign the image to one or more devices. This is beneficial if a new file release fixes a security problem that an older version of the file did not address.



Note You cannot assign a PIX security appliance configuration file or an ASA configuration file to multiple devices.

This procedure describes how to assign a file to one or more devices.

- Step 1** Select **Assignments > Assign a File to Devices**. The File Assignment Summary page appears.
- Step 2** In the Name column, click the radio button next to the file that you want to assign to devices.
- Step 3** Click **Assign Devices**. The Select Device Assignments for Image page appears. Perform tasks as described in [Table 5-4](#).
- Step 4** Click **OK** to update the assignment. To exit the page without making any changes, click **Cancel**.

Table 5-4 *Select Device Assignments for Image Page*

Element	Description
Family list	Shows the series to which a device belongs. Select the family from the list to filter the table according to family.
Type list	Shows the type of device in a family. Select the type from the list to filter the table according to type.
Search field	Enables you to enter the ID of the device for which you want to search.
Go button	Begins a search for the information in the Search field.
Check box	Selects the device you want to assign to the previously selected file. You can select multiple devices.

Table 5-4 *Select Device Assignments for Image Page (continued)*

Element	Description
Device ID column	Shows the name the device uses when identifying itself to AUS. Might differ from the hostname. You can select multiple devices to assign to a file.
Family column	Shows the series to which the device belongs.
Platform Type column	Shows the type of platform within a family.
Rows per page list	Specifies the number of rows per page to display.

■ Assigning and Unassigning a File to Multiple Devices