

Chapter 8

Setting Up Labels

This chapter describes how to create labels, or text names, that help you to statically organize a large group of devices on the network so that JUNOScope operations, such as archive configuration and scan inventory, can be performed on them.

A label consists of a unique name, a category used to logically organize labels, and a comment to describe the purpose of the label. For example, you could create the following labels—North, South, East, and West—in a category called Region.

You can associate an existing label with one or more devices. You can also use a label as a rule in the group criteria wizard for setting up groups of devices. For more information about associating a device with a label, see “Setting Up Devices” on page 59. For more information about using a label as a criterion for creating a group, see “Setting Up Groups” on page 71.

You can edit, copy, and delete labels. Additionally, you can import labels that have been saved to the local file system from another JUNOScope server and export them to the local file system.

You must have superuser permissions to set up labels.

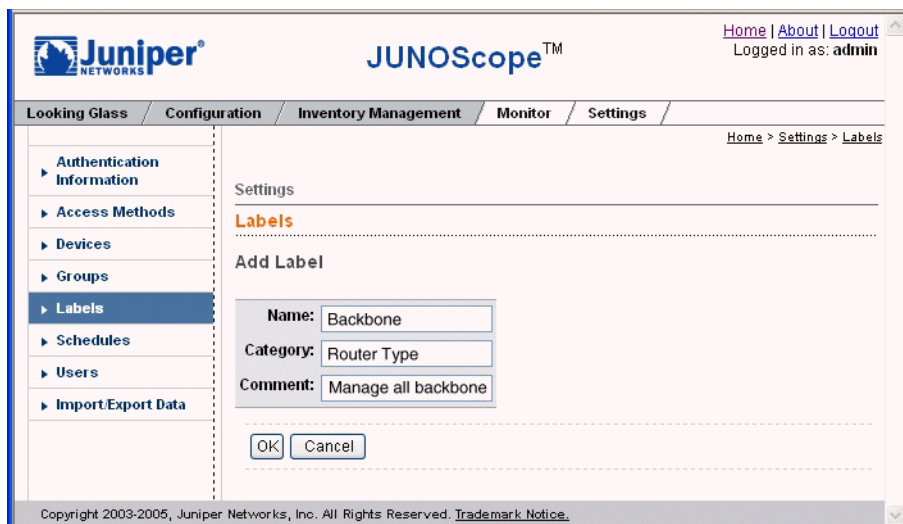
The following topics describe how to set up labels using the JUNOScope software:

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Adding a Label

To add a label, follow these steps:

1. Click Settings > Labels. The Labels dialog box appears. The Labels dialog box is empty until you add labels.
2. Click Add. The Add Label dialog box appears.



3. In the Name text box, type a label name.

A label must have a unique name that does not match any existing label or group name used in the JUNOScope software. For example, you could use a network name, customer name, a specific service name, and so on. The label name can be up to 40 characters long.

4. In the Category text box, type a category for the label. The category is a name that you can use to group related labels. For example, you can specify the type of network, a customer location, or the type of device. The category name is 40 characters long.
5. In the Comment text box, type an optional comment. The comment should describe the purpose of the label.

- Click OK. The label is listed in the Labels dialog box. For more information, see “Viewing Labels” on page 99.

The screenshot shows the JUNOScope web interface. The top navigation bar includes the Juniper Networks logo, the JUNOScope™ title, and links for Home, Help, About, and Logout. The user is logged in as 'admin'. The main navigation tabs are Looking Glass, Configuration, Inventory Management, Monitor, and Settings. The left sidebar contains a tree view with categories like Authentication Information, Access Methods, Devices, Groups, Labels (selected), Schedules, Users, and Import/Export Data. The main content area shows the 'Settings' section with a sub-section for 'Labels'. Below this, there is a summary indicating 'Page 1 of 1' and 'Displaying 10 labels of 10 total'. A table lists the labels with columns for Name, Category, Comment, and Actions. The Actions column contains links for Edit, Copy, Delete, and Associate Devices. At the bottom of the table, there are buttons for Add, Export, and Import. The footer contains copyright information for Juniper Networks, Inc. from 2003-2005.

Name	Category	Comment	Actions
Backbone	Router Type	Label to manage all backbone routers on network	Edit Copy Delete Associate Devices
Core	Router Type	Label to manage all core routers on network	Edit Copy Delete Associate Devices
Customer X	North Region	Label all customers in North Region	Edit Copy Delete Associate Devices
Customer Y	North Region	Label all customers in North Region	Edit Copy Delete Associate Devices
Customer Z	North Region	Label all customers in North Region	Edit Copy Delete Associate Devices
Edge	Router Type	Label to manage all edge routers on network	Edit Copy Delete Associate Devices
Network Production 1	Bldg 1	Identify Production 1 devices in Bldg 1	Edit Copy Delete Associate Devices
Network Production 2	Bldg 1	Identify Production 2 devices in Bldg 1	Edit Copy Delete Associate Devices
Network Production 3	Bldg 1	Identify Production 3 devices in Bldg 1	Edit Copy Delete Associate Devices
Network Production 4	Bldg 1	Identify Production 4 devices in Bldg 1	Edit Copy Delete Associate Devices

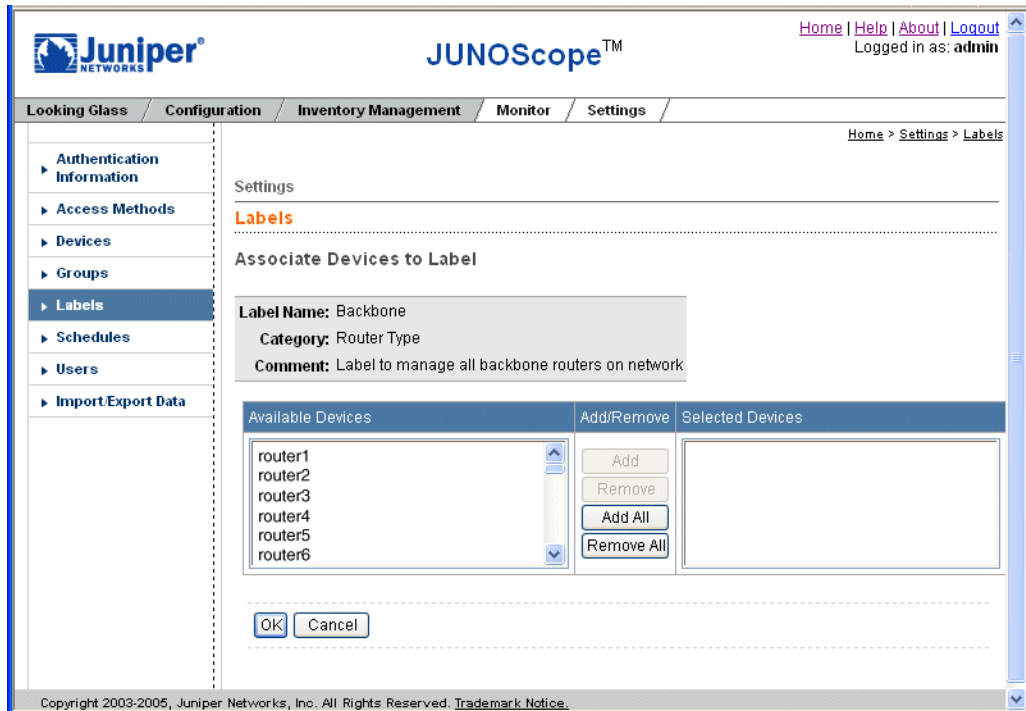
Associating Devices with a Label

You can associate devices that have been added to the JUNOScope software with an existing label. Associating a label with a device lets you statically control JUNOScope operations that occur on multiple devices, such as archiving a device configuration or scanning device inventory.

To associate a label with a device, follow these steps:

- Click Settings > Labels. The Labels dialog box appears.

- Click Associate Devices in the Actions column for the label that you want to associate. The Associate Devices to Label dialog box appears.



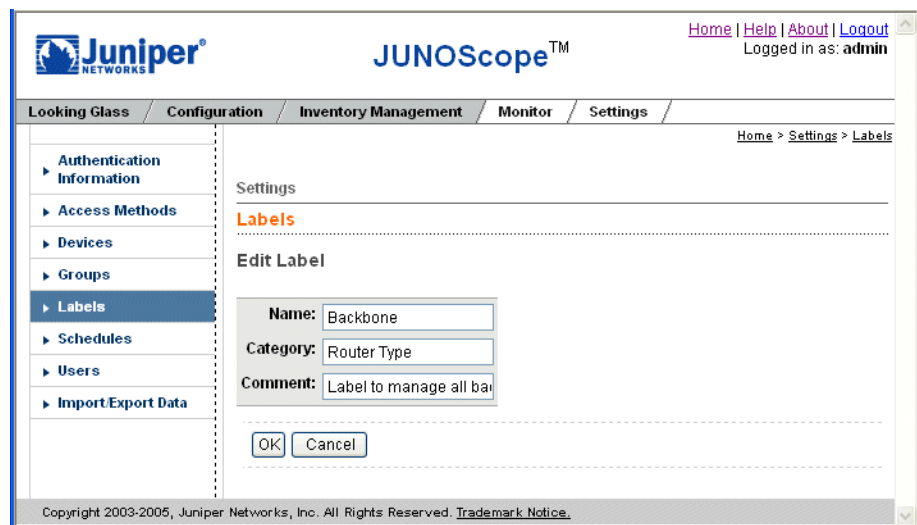
- Select one or more available devices that you want to associate with the selected label:
 - Use Shift-click to select several devices in a row in the Available Devices list box.
 - Use Ctrl-click to randomly select several devices in the Available Devices list box.
 - Click Add to add the selected available devices to the Selected Devices list box.
 - Click Add All to add all of the selected devices to the Selected Devices list box.
 - Click Remove to clear selected devices from the Selected Devices list box.
 - Click Remove All to clear all devices from the Selected Devices list box.
- Click OK.

Editing a Label

You can edit a label name, category, or optional comment.

To edit a label, follow these steps:

1. Click Settings > Labels. The Labels dialog box appears.
2. Click Edit in the Actions column for the label you want to edit. The Edit Label dialog box appears.



3. Edit the label name, category, or comment.
4. Click OK.

Copying a Label

Copying a label provides a quick way of adding similar labels. You must however, edit the label name so that it is unique.

To copy a label, follow these steps:

1. Click Settings > Labels. the Labels dialog box appears.
2. Click Copy in the Actions column of the label you want to copy. The Copy Label dialog box appears.



3. Edit the label name so that it does not match any other label name. You can also edit the label category or comment.
4. Click OK.

Viewing Labels

You can view, at a glance, the labels that you have added.

To view existing labels, follow these steps:

1. Click Settings > Labels. The Labels dialog box appears.

The screenshot shows the JUNOScope web interface. The top navigation bar includes links for Home, Help, About, and Logout, and indicates the user is logged in as 'admin'. The main navigation tabs are Looking Glass, Configuration, Inventory Management, Monitor, and Settings. The left sidebar contains a menu with options like Authentication Information, Access Methods, Devices, Groups, Labels (selected), Schedules, Users, and Import/Export Data. The main content area shows the 'Labels' page with a table of 10 labels. The table has columns for Name, Category, Comment, and Actions. Below the table are buttons for Add, Export, and Import. The footer contains copyright information for Juniper Networks, Inc.

Name	Category	Comment	Actions
Backbone	Router Type	Label to manage all backbone routers on network	Edit Copy Delete Associate Devices
Core	Router Type	Label to manage all core routers on network	Edit Copy Delete Associate Devices
Customer X	North Region	Label all customers in North Region	Edit Copy Delete Associate Devices
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Network Production 2	Bldg 1	Identify Production 2 devices in Bldg 1	Edit Copy Delete Associate Devices
Network Production 3	Bldg 1	Identify Production 3 devices in Bldg 1	Edit Copy Delete Associate Devices
Network Production 4	Bldg 1	Identify Production 4 devices in Bldg 1	Edit Copy Delete Associate Devices

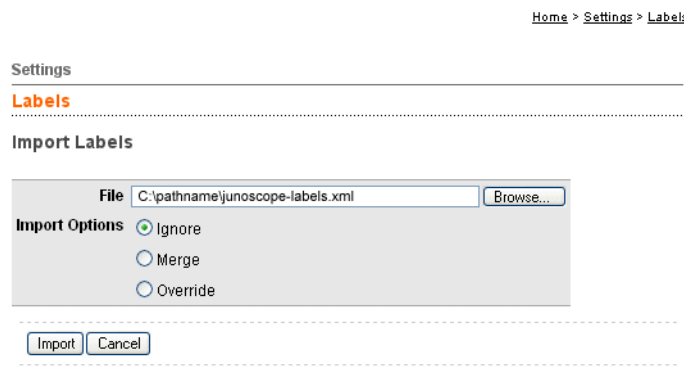
2. You can sort the Name, Category, and Comment columns in ascending or descending order. Click a column to sort it in ascending order; click the column again to sort it in descending order.

Importing a Label

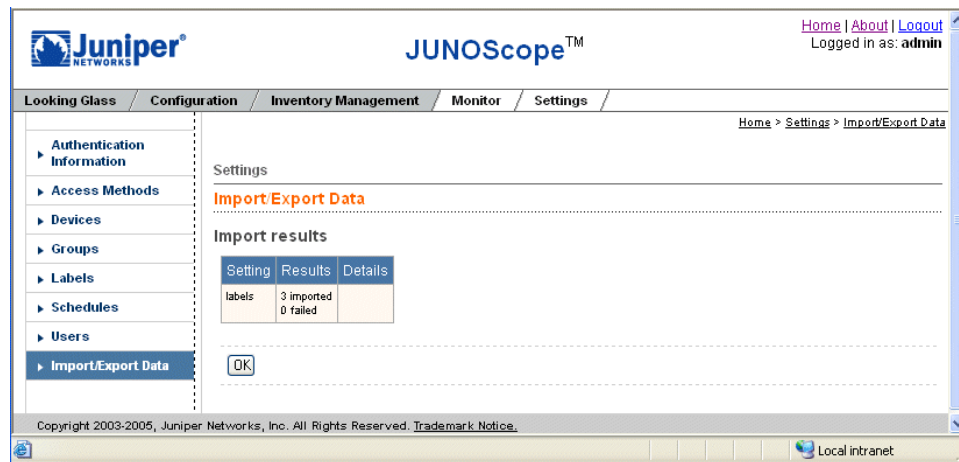
You can import labels that have been saved to the local file system from another JUNOScope server.

To import labels from a file on the local file system, follow these steps:

1. Click Settings > Labels. The Import Labels dialog box appears.



2. To support synchronizing JUNOScope settings imported from multiple servers, select an import method to be used if a conflict occurs between existing records stored in the JUNOScope server and imported records. The available import method options include:
 - Ignore—(Default) An existing record stored in the JUNOScope server takes precedence over any imported record. The imported record is ignored and the existing record is not affected. Any imported record that does not exist in the JUNOScope server is inserted.
 - Merge—If a record exists in the JUNOScope server and also exists in the imported record, the imported record merges with the existing record and is augmented as necessary. If an imported record is in conflict with an existing record, the imported record takes precedence over the existing record. The existing record is merged with the imported record; however, the fields of imported record take precedence over the fields of the existing record. Any imported record that does not exist in the JUNOScope server is inserted.
 - Override—All records in the JUNOScope server are deleted, then all imported records are inserted. Before the override operation occurs, a message window appears with the following confirmation prompt: “The import with override option will delete all the existing records. Do you want to continue?” Select Yes or No to continue.
3. Click Import. The Import Results dialog box appears indicating the import status of the label.



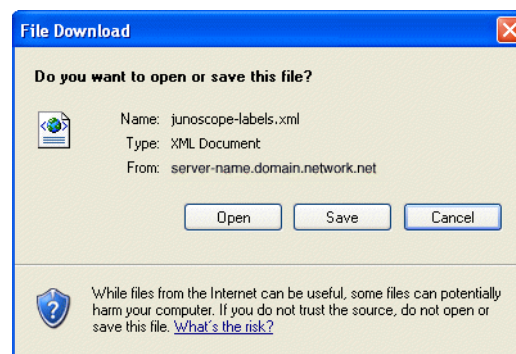
4. Click OK. The imported data is listed in the Labels dialog box.

Exporting a Label

You can export all labels that you have added to a file on the local file system. The label information is exported in XML format. The resulting file is called **export**.

To export all label information, follow these steps:

1. Click Settings > Labels. The Labels dialog box appears.
2. Click Export. The File Download dialog box appears.



3. Click Save to export the labels data and save it to the local file system in a file named **junoscope-labels.xml**. Click Open to view the labels export file content.
4. Navigate to where you want to save the Label export file.
5. Click Save.

Deleting a Label

You can delete labels that you no longer need.

To delete a label, follow these steps:

1. Click Settings > Labels. The Labels dialog box appears.
2. Click Delete in the Actions column for the label that you want to delete.

The label is deleted from the JUNOScope database provided no scheduled operation is using the label. If the label is being used by a scheduled operation, a message appears stating that the label is already in use. In that case, delete the scheduled operation that includes the labels you want to delete (see “Deleting a Schedule” on page 110).