

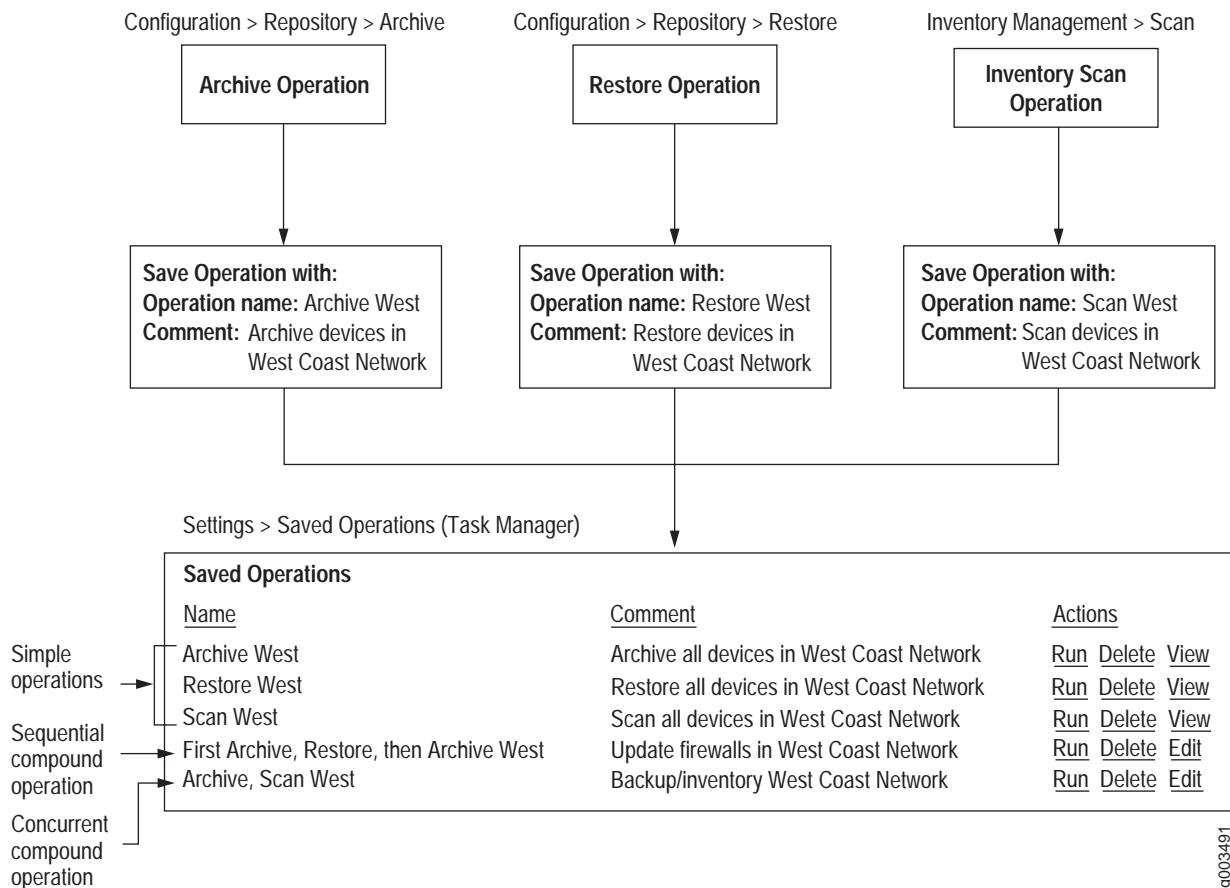
Chapter 14

Using Task Manager (Saved Operations)

Use Task Manager to create compound operations from any simple and compound operations that you have saved. A simple operation is an action applied to one or more devices; for example, **archive router1**. A compound operation is a combination of simple or compound actions applied to one or more devices; for example, **archive all devices, restore-merge all routers, then archive all routers again**.

You save simple archive (Settings > Archive), restore (Settings > Restore), and inventory scan (Inventory Management > Scan) operations by providing a unique name and an optional comment. Saved operations are listed in the Task Manager (Settings > Saved Operations). (See Figure 3.)

Figure 3: Saved Operations



Devices on the network may share a large portion of their configuration with one another—they might have the same DNS, NTP, SNMP, system log, and RADIUS configuration; the same firewall filters; the same routing protocols, and the same routing policies. For this reason, you can take one configuration and import it into the JUNOScope software using Configuration > Repository > Import, then save that configuration with a unique name and a descriptive comment. Using Task Manager, you can then restore that configuration (upload it) to multiple devices. Saving operations from a device or group and reusing them reduces production time and errors.

With Task Manager, you can manipulate saved operations as follows:

- Create compound operations from simple operations and specify their execution order: concurrent or sequential. Concurrent compound operation tasks run on one or more devices in parallel or in no specified order; sequential compound operation tasks run on one or more devices in the order that you specify.
- Run operations in real time or as part of an existing schedule.
- View simple operation settings.
- Edit all compound operation settings.
- Delete operations.

You can immediately view the status of operations that have run in real time. You can view the status of these operations using an existing schedule (Monitor > Operations). You can also view the status of a selected operation (Monitor > Status).

To use Task Manager operations, you must have superuser or read-write permission.

This chapter includes the following topics:

- Saving a Simple Operation on page 155
- Viewing Saved Operations on page 155
- Adding a Concurrent Compound Operation on page 157
- Adding a Sequential Compound Operation on page 160
- Running a Saved Operation on page 162
- Viewing Simple Operation Settings on page 166
- Editing Compound Operation Settings on page 167
- Monitoring Run Operations on page 169
- Importing Saved Operations Information on page 174
- Exporting Saved Operations Information on page 176
- Deleting Saved Operations on page 177

Saving a Simple Operation

You can save simple operations, such as archive, restore, and inventory scan. A simple operation is a JUNOScope action applied to a device; for example, `archive router1`.

You save simple operations in the archive, restore, and inventory scan user interfaces by providing a unique name and an optional comment. Saved operations are listed in the Settings > Saved Operations dialog box of the Task Manager.

To save an archive, restore, or inventory scan operation, do one of the following:

- To save an archive operation, see “Saving an Archive Operation” on page 185
- To save a restore operation, see “Saving a Configuration Restore Operation” on page 206
- To save an inventory scan operation, see “Saving an Inventory Scan Operation” on page 236

Viewing Saved Operations

The Saved Operations dialog box lists simple operations (one action applied to a device) that you have saved from the archive, restore, or inventory scan user interfaces. This dialog box also lists compound operations (multiple actions applied to a device) that you can create using the Add button.

Use the Saved Operations dialog box to manage saved simple and compound operations at a glance. You can do the following:

- Sort all saved operations by Name or Comment by clicking the column header.
- Combine simple operations to create compound operations and specify the order in which they will run using the Add button and the Edit link. For more information, see “Adding a Concurrent Compound Operation” on page 157, “Adding a Sequential Compound Operation” on page 160, and “Editing Compound Operation Settings” on page 167.
- Run simple and compound operations using the Run link. For more information, see “Running a Saved Operation” on page 162.
- Delete operations using the Delete link. For more information, see “Deleting Saved Operations” on page 177.
- View simple operation settings using the View link. The View link is specific to simple operations only. For more information, see “Viewing Simple Operation Settings” on page 166.
- Edit compound operation execution order, sequencing, and other settings using the Edit link. For more information, see “Editing Compound Operation Settings” on page 167.

To view saved operations, do the following:

- From the JUNOScope main window, click Settings > Saved Operations. The Saved Operations dialog box appears.

[Home](#) > [Settings](#) > [Saved Operations](#)

Settings

Saved Operations

Page 1 of 2
Displaying 10 operations of 14 total

[\[Next page -->\]](#) [\[Last page -->>\]](#)

| Name | Comment | Actions |
|-------------------------------------|--|---|
| Archive and inventory Core network | Backup Core network after weekly maintenance | Run Delete Edit |
| Archive Core Network | Daily backup Core network devices | Run Delete Edit |
| Archive Core, Edge, then Lab | Backup devices in all networks nightly | Run Delete Edit |
| Archive Edge network | Daily backup Edge network | Run Delete View |
| Archive Lab network | Daily backup Lab network | Run Delete View |
| Archive, restore, then archive Core | Update Core network after necessary device configuration changes | Run Delete Edit |
| Inventory Scan Core Network | Daily inventory Core network devices | Run Delete View |
| Restore Core Network | Restore Core network devices as needed | Run Delete View |

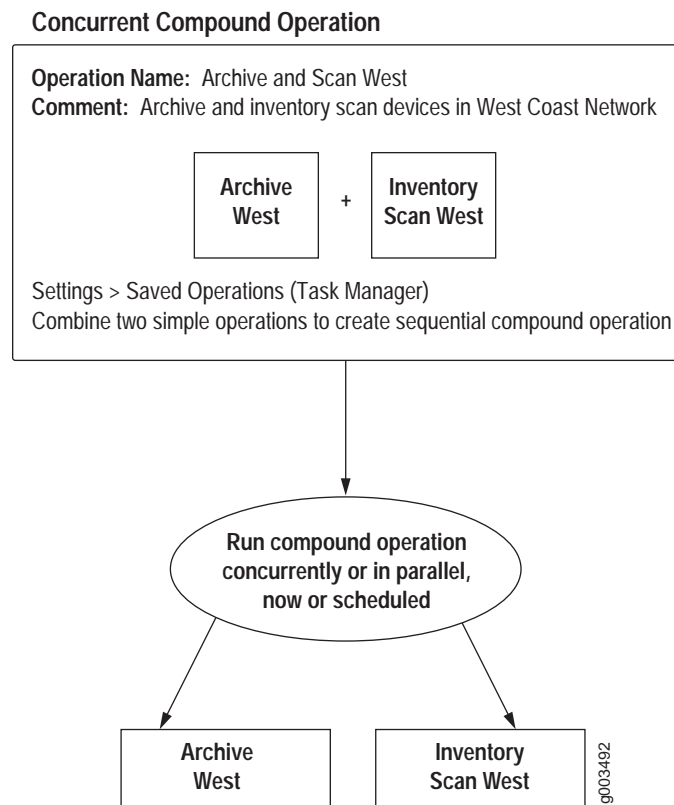
For more information about creating compound operations, see:

- “Adding a Concurrent Compound Operation” on page 157
- “Adding a Sequential Compound Operation” on page 160

Adding a Concurrent Compound Operation

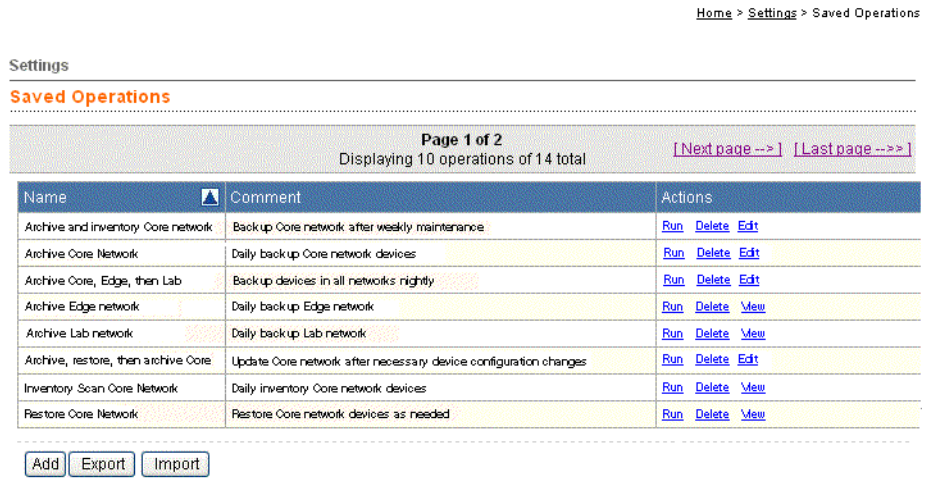
A concurrent compound operation is a combination of simple and compound actions, the execution order of which is not guaranteed. From the Saved Operations dialog box, you can combine simple and compound operations to run concurrently in real time or at a scheduled interval using the Add button and the Edit link. (See Figure 4.)

Figure 4: Concurrent Compound Operation

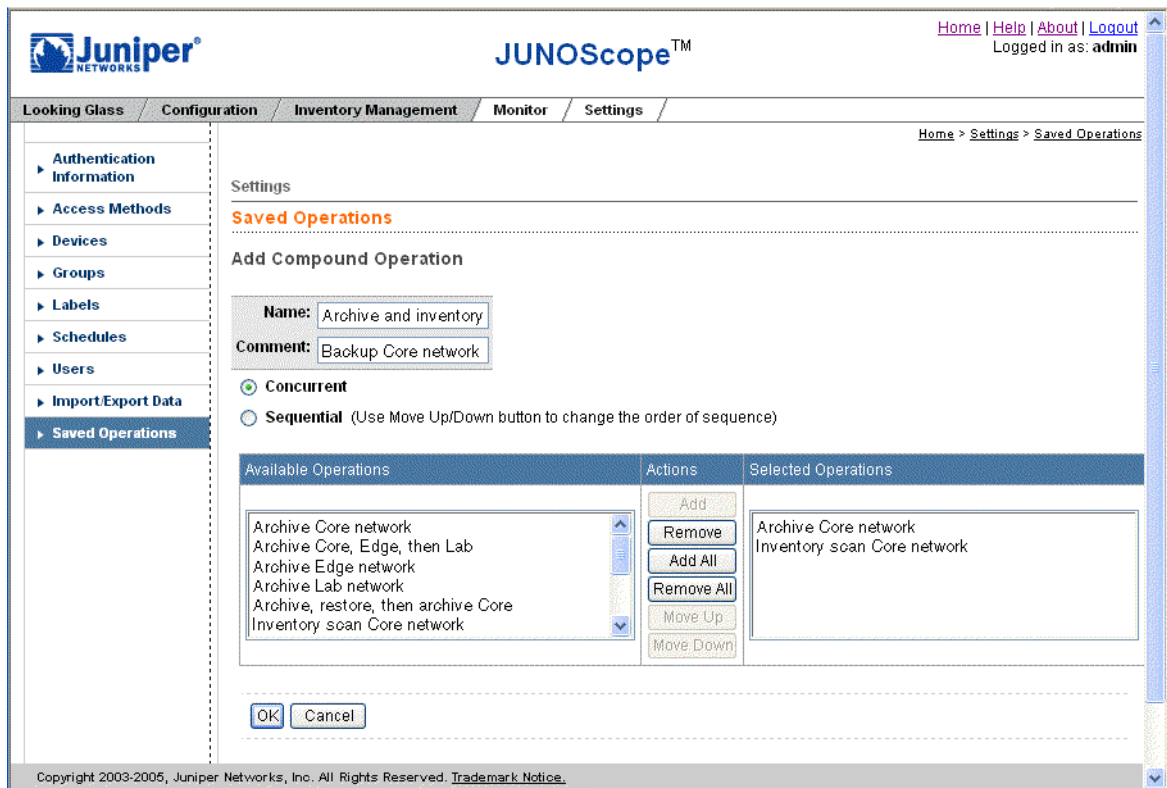


To add a concurrent compound operation, follow these steps:

1. From the JUNOScope main window, click Settings > Saved Operations. The Saved Operations dialog box appears.



2. Click Add. The Add Compound Operation dialog box appears.



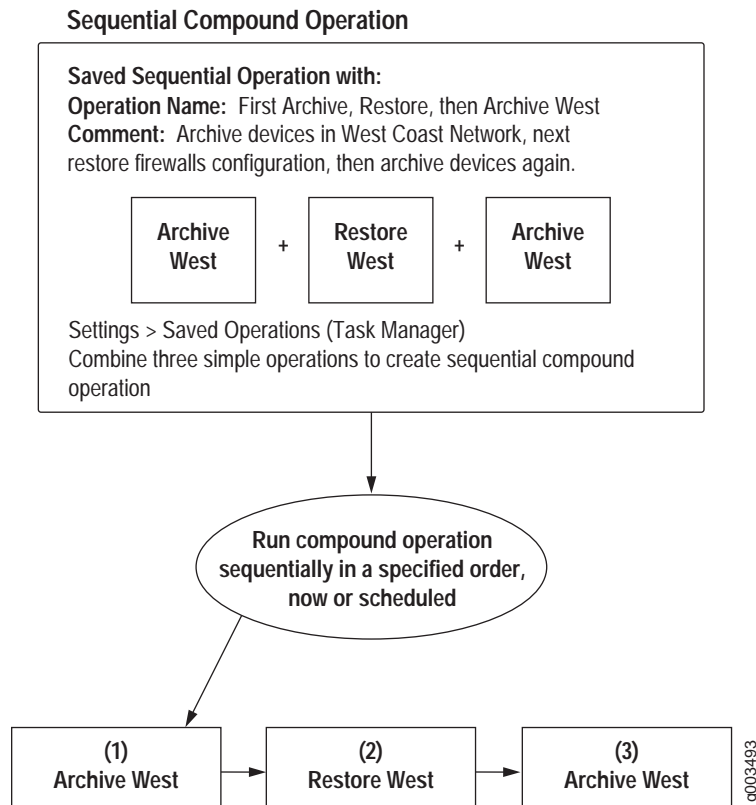
3. Type a unique name for the concurrent compound operation in the Name text box.
4. Type an optional comment describing the concurrent compound operation in the Comment text box.
5. Click the Concurrent option button.
6. Select the operations that you want to include in the concurrent compound operation from the Available Operations list box and click Add. The selected operations appear in the Selected Operations list box. The operations will be executed in parallel or no specified order.
7. Click OK.

The compound operation name appears alphabetically in the Saved Operations dialog box. You can edit compound operations from the Saved Operations dialog box by clicking the Edit link. The Edit link is specific only to compound operations.

Adding a Sequential Compound Operation

A sequential compound operation is a combination of simple or compound actions that you want to execute on one or more devices in a specific order or sequence. From the Saved Operations dialog box, you can combine simple or compound operations to create compound operations that run sequentially in real time, or at a scheduled interval using the Add button and the Edit link. (See Figure 5.)

Figure 5: Sequential Compound Operation



To add a sequential compound operation, follow these steps:

1. From the JUNOScope main window, click Settings > Saved Operations. The Saved Operations dialog box appears.

[Home](#) > [Settings](#) > [Saved Operations](#)

Settings

Saved Operations

Page 1 of 2
Displaying 10 operations of 14 total

[\[Next page -->\]](#) [\[Last page -->>\]](#)

| Name | Comment | Actions |
|-------------------------------------|--|---|
| Archive and inventory Core network | Backup Core network after weekly maintenance | Run Delete Edit |
| Archive Core Network | Daily backup Core network devices | Run Delete Edit |
| Archive Core, Edge, then Lab | Backup devices in all networks nightly | Run Delete Edit |
| Archive Edge network | Daily backup Edge network | Run Delete View |
| Archive Lab network | Daily backup Lab network | Run Delete View |
| Archive, restore, then archive Core | Update Core network after necessary device configuration changes | Run Delete Edit |
| Inventory Scan Core Network | Daily inventory Core network devices | Run Delete View |
| Restore Core Network | Restore Core network devices as needed | Run Delete View |

[Add](#) [Export](#) [Import](#)

2. Click Add. The Add Compound Operation dialog box appears.

[Home](#) | [Help](#) | [About](#) | [Logout](#)
Logged in as: **admin**

Looking Glass / Configuration / Inventory Management / Monitor / Settings

[Home](#) > [Settings](#) > [Saved Operations](#)

Settings

Saved Operations

Add Compound Operation

Name:

Comment:

Concurrent

Sequential (Use Move Up/Down button to change the order of sequence)

| Available Operations | Actions | Selected Operations |
|---|--|--|
| <ul style="list-style-type: none"> Archive Core network Archive Core, Edge, then Lab Archive Edge network Archive Lab network Archive, restore, then archive Core Inventory scan Core network | <ul style="list-style-type: none"> Add Remove Add All Remove All Move Up Move Down | <ul style="list-style-type: none"> Archive Core network Restore Core network Archive Core network |

[OK](#) [Cancel](#)

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3. Type a name for the sequential compound operation in the Name text box.

4. Type an optional comment describing the sequential compound operation in the Comment text box.
5. Click the Sequential option button. The Move Up and Move Down action buttons are enabled.
6. Select the operations that you want to be in the sequential operation from the Available Operations list box, and click Add. The selected operations appear in the Selected Operations list box.
7. Use the Move Up and Move Down action buttons to change the order in which the operation will occur. These buttons are only available when you select the Sequential option. The operations will be executed in the order in which they appear in the list from top to bottom.
8. Click OK.

The compound operation appears alphabetically in the Saved Operations list box. You can edit compound operations from the Saved Operations dialog box by clicking the Edit link. The Edit link is specific only to compound operations.

Running a Saved Operation

You can run saved operations in real time or at a scheduled interval. The execution of tasks in a concurrent compound operation is not guaranteed. The execution of tasks in a sequential compound operation is guaranteed in the order that you specify in the Add Compound Operation dialog box.

To run an operation that you have saved, follow these steps:

1. From the JUNOScope main window, click Settings > Saved Operations. The Saved Operations dialog box appears.

[Home](#) > [Settings](#) > Saved Operations

Settings

Saved Operations

Page 1 of 2
Displaying 10 operations of 14 total

[\[Next page -->\]](#) [\[Last page -->>\]](#)

| Name | Comment | Actions |
|-------------------------------------|--|---|
| Archive and inventory Core network | Backup Core network after weekly maintenance | Run Delete Edit |
| Archive Core Network | Daily backup Core network devices | Run Delete Edit |
| Archive Core, Edge, then Lab | Backup devices in all networks nightly | Run Delete Edit |
| Archive Edge network | Daily backup Edge network | Run Delete View |
| Archive Lab network | Daily backup Lab network | Run Delete View |
| Archive, restore, then archive Core | Update Core network after necessary device configuration changes | Run Delete Edit |
| Inventory Scan Core Network | Daily inventory Core network devices | Run Delete View |
| Restore Core Network | Restore Core network devices as needed | Run Delete View |

- Click the Run link for the operation that you want to run. The Run Saved Operation dialog box appears.

The screenshot shows the Juniper JUNOScope web interface. The breadcrumb trail is Home > Settings > Saved Operations. The 'Run Saved Operation' dialog box is open, showing the following details:

- Name:** Archive, restore, then archive Core
- Comment:** Update Core network after necessary device configuration changes
- Select Time:**
 - Now
 - Select Schedule

| | Schedule Name | Start Time | Period | Comment |
|-----------------------|-----------------|------------------------------|---------------|---------|
| <input type="radio"/> | Hourly | Sat Apr 10 03:00:00 PDT 2004 | every hour | one |
| <input type="radio"/> | Daily | Tue Sep 16 07:10:00 PDT 2008 | every day | day |
| <input type="radio"/> | 6-hour Interval | Wed Jul 23 23:08:00 PDT 2008 | every 6 hours | 6 hour |
| <input type="radio"/> | Yearly | Tue Oct 11 00:00:00 PDT 2005 | every year | |

At the bottom of the dialog are 'OK' and 'Cancel' buttons.

You can select to run the operation now or at a scheduled interval.

Running an Operation Now

To run an operation now or immediately, follow these steps:

1. In the Saved Operations dialog box, select the Run operation link for the operation that you want to run. The Run Saved Operation dialog box appears.
2. Click the Now option button and click OK to run the operation, immediately in real time. The View Status Records dialog box appears.

Juniper NETWORKS JUNOScope™ Home | Help | About | Logout Logged in as: admin

Looking Glass Configuration Inventory Management Monitor Settings

Home > Monitor > Status

Operations

Status

Monitor

Status

View Status Records

8 results returned(8 success,0 error,0 other)
8 results displayed(8 success,0 error,0 other)

Page 1 of 1
Displaying 8 statuses of 8 total

| Operation Name | Operation Type | Device Name | User | Status | Start Time | Last Updated Time | Message |
|-----------------------------|----------------|-------------|-------|---------|------------------------------|------------------------------|---------------------------------|
| Archive Bitter | archive | bitter | admin | success | Thu Oct 27 11:19:50 PDT 2005 | Thu Oct 27 11:19:51 PDT 2005 | No changes in configuration |
| Archive Bitter | archive | N/A | admin | success | Thu Oct 27 11:19:50 PDT 2005 | Thu Oct 27 11:19:51 PDT 2005 | success |
| Inventory scan of 3 devices | scan inventory | badlands | admin | success | Thu Oct 27 11:19:51 PDT 2005 | Thu Oct 27 11:19:53 PDT 2005 | No change in inventory database |
| Inventory scan of 3 devices | scan inventory | acid | admin | success | Thu Oct 27 11:19:51 PDT 2005 | Thu Oct 27 11:19:54 PDT 2005 | No change in inventory database |
| Inventory scan of 3 devices | scan inventory | camaro | admin | success | Thu Oct 27 11:19:51 PDT 2005 | Thu Oct 27 11:19:54 PDT 2005 | No change in inventory database |
| Compound-Archive-Scan | sequence | N/A | admin | success | Thu Oct 27 11:19:50 PDT 2005 | Thu Oct 27 11:19:54 PDT 2005 | success |
| Inventory scan of 3 devices | scan inventory | N/A | admin | success | Thu Oct 27 11:19:50 PDT 2005 | Thu Oct 27 11:19:54 PDT 2005 | success |
| | run operation | N/A | admin | success | Thu Oct 27 11:19:50 PDT 2005 | Thu Oct 27 11:19:54 PDT 2005 | success |

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The View Status Records dialog box lets you view the status of each task that ran in a simple or compound operation. At a glance, you can see the operation name, operation type, the device name on which the operation ran, the user who ran the operation, operation status, start time, last updated time, and an operation status message.

The View Status Records dialog box refreshes every 10 seconds.



NOTE: If you run an operation using the Saved Operations wizard, you see one additional status record with an operation type of “run operation” to indicate the status of running the saved operation. This status record will not appear if you run an operation using the Archive, Restore, or Inventory Scan wizards.

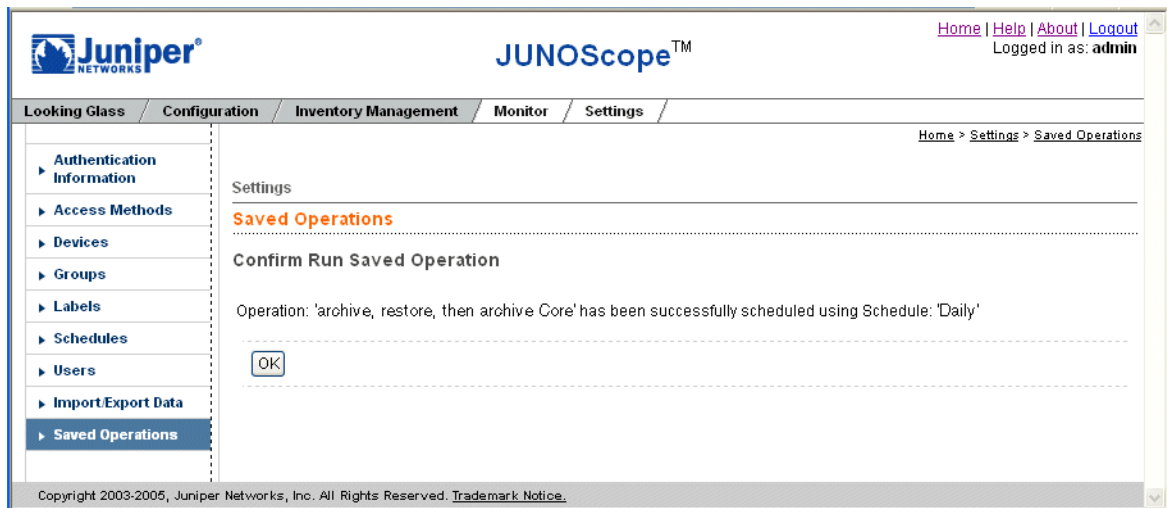
The status of a compound operation is successful when all tasks within it have run successfully.

Running a Scheduled Operation

To run a scheduled operation, do the following:

1. In the Run Saved Dialog Box, click the Select Schedule option button.
2. Select a schedule, and click OK.

The Confirm Run Saved Operation dialog box appears.



3. Confirm that the run settings for the operation are correct and click OK. The Saved Operations dialog box appears. The operation runs at the selected scheduled interval.

Viewing Simple Operation Settings

You can view the settings of a saved simple operation. For archive and inventory scan operations, the View Simple Operation dialog box displays the operation name, operation type, comment, and the devices on which the operation will execute. For restore operations, the View Simple Operation dialog box also displays, the archived configuration or the name of an imported configuration file, configuration revision level, configuration load action, and whether the Routing Engines are synchronized.

To view simple operation settings, follow these steps:

1. From the JUNOScope main window, click Settings > Saved Operations. The Saved Operations dialog box appears.

[Home](#) > [Settings](#) > [Saved Operations](#)

Settings

Saved Operations

Page 1 of 2
Displaying 10 operations of 14 total

[\[Next page -->\]](#) [\[Last page -->>\]](#)

| Name | Comment | Actions |
|-------------------------------------|--|---|
| Archive and inventory Core network | Backup Core network after weekly maintenance | Run Delete Edit |
| Archive Core Network | Daily backup Core network devices | Run Delete Edit |
| Archive Core, Edge, then Lab | Backup devices in all networks nightly | Run Delete Edit |
| Archive Edge network | Daily backup Edge network | Run Delete View |
| Archive Lab network | Daily backup Lab network | Run Delete View |
| Archive, restore, then archive Core | Update Core network after necessary device configuration changes | Run Delete Edit |
| Inventory Scan Core Network | Daily inventory Core network devices | Run Delete View |
| Restore Core Network | Restore Core network devices as needed | Run Delete View |

[Add](#) [Export](#) [Import](#)

- Click the View link for the saved operation that you want. The View Simple Operation dialog box appears.



- Check that the operation settings are what you want, then click OK. You return to the Saved Operations dialog box.

Editing Compound Operation Settings

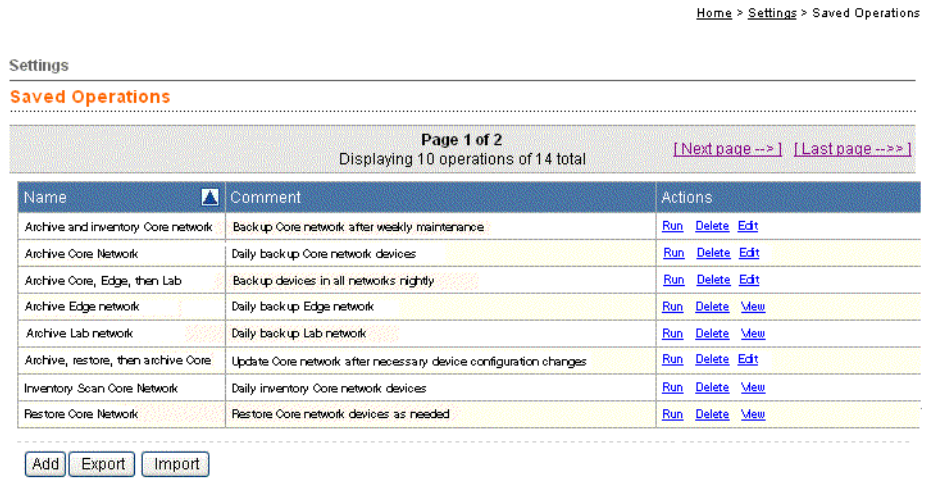
Editing compound operation settings gives you the flexibility of checking and changing the settings for compound operations made up of archive, restore, and inventory scan operations. Unlike simple operations, compound operations listed in the Saved Operations dialog box have an Edit link.

You can edit the following compound operation settings:

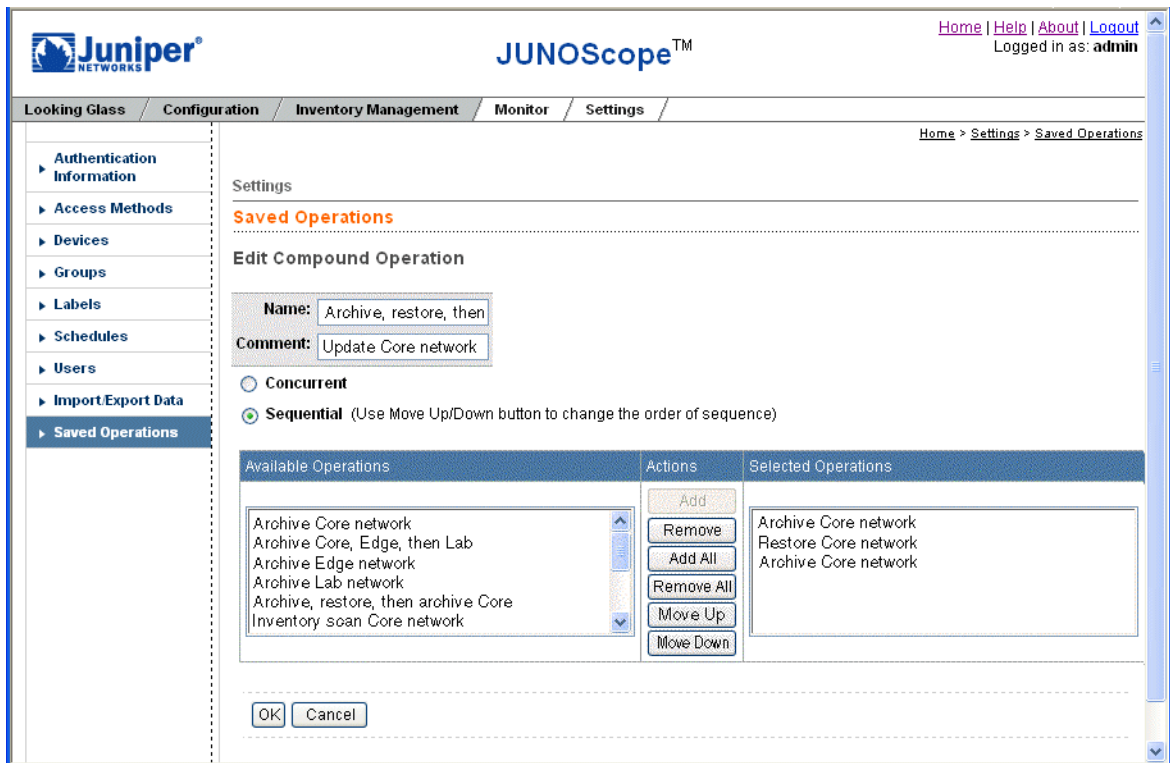
- Name.
- Optional comment.
- Execution method—Concurrent or sequential. Concurrent compound operation tasks run on one or more devices at the same time; sequential compound operation tasks run on one or more devices in the order that you specify.
- For concurrent compound operations, you can edit the tasks that you want included. For sequential compound operations, you can edit the order in which you want tasks to occur.

To edit compound operation settings, follow these steps:

1. From the JUNOScope main window, click Settings > Saved Operations. The Saved Operations dialog box appears.



2. Click the Edit link for the saved operation that you want. The Edit Compound Operation dialog box appears.



3. Edit the settings in the Edit Compound Operations dialog box, then click OK. The Saved Operations dialog box appears.

Monitoring Run Operations

You can view the status of operations that have run in several ways:

- Immediately after running an operation using the Now schedule option (see “Monitoring Operations Run in Real Time” on page 169)
- Using Monitor > Operations (see “Monitoring Operations Run Using a Schedule” on page 172)
- Using Monitor > Status (see “Monitoring Selected Operation Status” on page 173)

Monitoring Operations Run in Real Time

When you run an operation in real time using the Now schedule option, the View Status Records dialog box appears displaying the results of each task that was run.

To view the status of operations run in real time, follow these steps:

1. From the JUNOScope main window, click Settings > Saved Operations. The Saved Operations dialog box appears.

[Home](#) > [Settings](#) > Saved Operations

Settings

Saved Operations

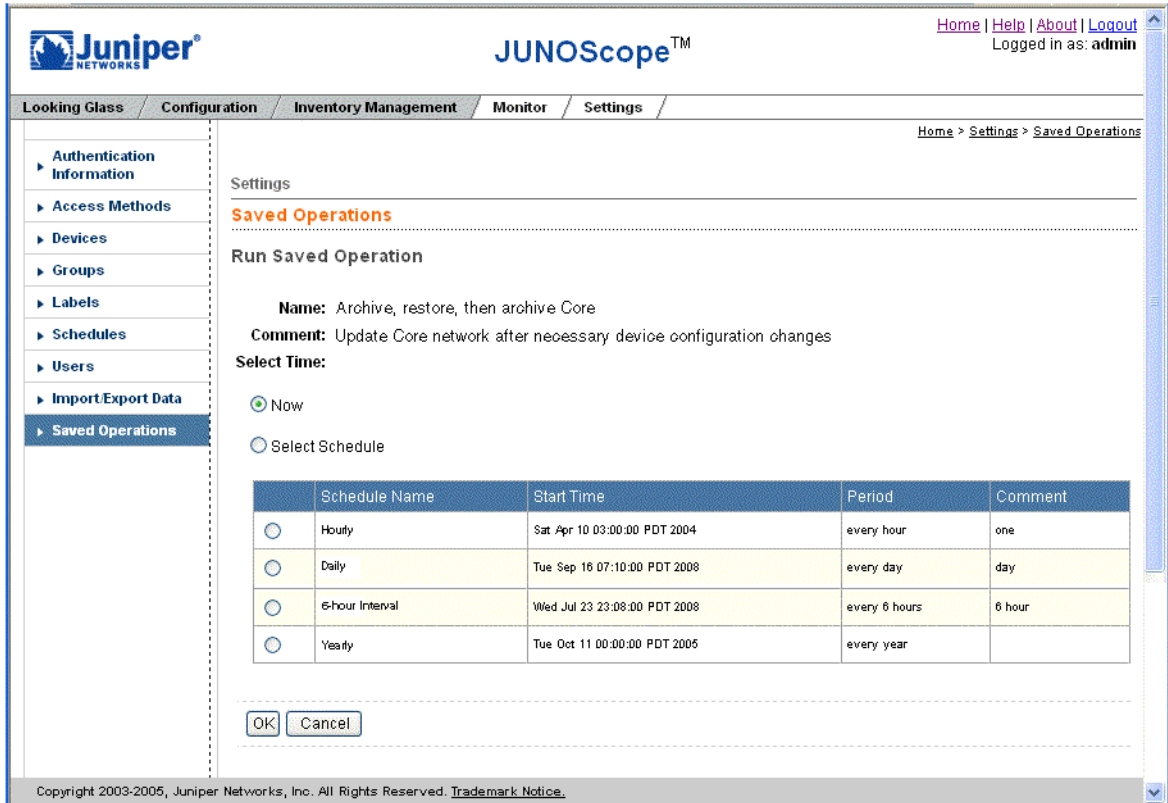
Page 1 of 2
Displaying 10 operations of 14 total

[\[Next page -->\]](#) [\[Last page -->>\]](#)

| Name | Comment | Actions |
|-------------------------------------|--|---|
| Archive and inventory Core network | Backup Core network after weekly maintenance | Run Delete Edit |
| Archive Core Network | Daily backup Core network devices | Run Delete Edit |
| Archive Core, Edge, then Lab | Backup devices in all networks nightly | Run Delete Edit |
| Archive Edge network | Daily backup Edge network | Run Delete View |
| Archive Lab network | Daily backup Lab network | Run Delete View |
| Archive, restore, then archive Core | Update Core network after necessary device configuration changes | Run Delete Edit |
| Inventory Scan Core Network | Daily inventory Core network devices | Run Delete View |
| Restore Core Network | Restore Core network devices as needed | Run Delete View |

[Add](#) [Export](#) [Import](#)

- Click the Run link or the operation that you want to run. The Run Saved Operation dialog box appears.



- Click the Now option button, and click OK to run the operation immediately in real time. The View Status Records dialog box appears.

The screenshot shows the JUNOScope™ interface. The top navigation bar includes 'Looking Glass', 'Configuration', 'Inventory Management', 'Monitor', and 'Settings'. The 'Monitor' tab is active, and the 'Status' sub-tab is selected. The page displays 'View Status Records' with 188 results returned and 10 displayed. A table lists the following operations:

| Operation Name | Operation Type | Device Name | User | Status | Start Time | Last Updated Time | Message | Actions |
|----------------------|----------------|-------------|-------|---------|------------------------------|------------------------------|--|-----------|
| Archive Core network | archive | router1 | admin | success | Mon Oct 24 14:07:48 PDT 2005 | Mon Oct 24 14:07:49 PDT 2005 | Successfully archived router1 (revision 1.1) | Show Task |
| Archive Core network | archive | router2 | admin | success | Mon Oct 24 14:07:48 PDT 2005 | Mon Oct 24 14:07:50 PDT 2005 | Successfully archived router2 (revision 1.1) | Show Task |
| Archive Core network | archive | N/A | admin | success | Mon Oct 24 14:07:44 PDT 2005 | Mon Oct 24 14:07:50 PDT 2005 | success | Show Task |
| Restore Core network | restore | router1 | admin | success | Thu Oct 27 10:47:09 PDT 2005 | Thu Oct 27 10:47:10 PDT 2005 | Successfully restore router1 (revision 1.2) | Show Task |
| Restore Core network | archive | router2 | admin | success | Thu Oct 27 10:47:09 PDT 2005 | Thu Oct 27 10:47:10 PDT 2005 | Successfully restore router2 (revision 1.2) | Show Task |
| Restore Core network | archive | N/A | admin | success | Thu Oct 27 10:47:09 PDT 2005 | Thu Oct 27 10:47:10 PDT 2005 | success | Show Task |
| Archive Core network | archive | router1 | admin | success | Mon Oct 24 14:07:48 PDT 2005 | Mon Oct 24 14:07:49 PDT 2005 | Successfully archived router1 (revision 1.2) | Show Task |
| Archive Core network | archive | router2 | admin | success | Mon Oct 24 14:07:48 PDT 2005 | Mon Oct 24 14:07:50 PDT 2005 | Successfully archived router2 (revision 1.2) | Show Task |
| Archive Core network | archive | N/A | admin | success | Mon Oct 24 14:07:44 PDT 2005 | Mon Oct 24 14:07:50 PDT 2005 | success | Show Task |

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The View Status Records dialog box shows the status of each task that ran in a simple or compound operation. At a glance, you can see the operation name, operation type, the device name on which the operation ran, the user who ran the operation, operation status, start time, last updated time, and an operation status message.

The View Status Records dialog box refreshes every 10 seconds.

The status of a compound operation is successful when all tasks within it have run successfully.

Monitoring Operations Run Using a Schedule

Use the Operations dialog box to view operations that have run using an existing schedule. An operation does not appear in the Operations dialog box if you ran it immediately using the Now option. For more detailed information about using the Operations dialog box, see “Managing Operations” on page 211.

To view the Operations dialog box, from the JUNOScope main window, click Monitor > Operations. The Monitor Operations dialog box appears.

The screenshot shows the JUNOScope web interface. At the top, there is a navigation bar with tabs: Looking Glass, Configuration, Inventory Management, Monitor, and Settings. The 'Monitor' tab is active. On the left, a sidebar shows 'Operations' and 'Status' under a 'Monitor' heading. The main content area is titled 'Monitor Operations' and contains a table with the following data:

| | Action | Target | Schedule | Next Scheduled Execution | Last Status | Comment |
|--------------------------|----------------------|--------------------|----------|------------------------------|-------------------------|---------|
| <input type="checkbox"/> | Archive Core network | Devices: 'router1' | Daily | Wed Nov 02 16:00:00 PST 2005 | success | |
| <input type="checkbox"/> | Archive Core network | Devices: 'router2' | Daily | Wed Nov 02 16:00:00 PST 2005 | success | |
| <input type="checkbox"/> | Scan Core network | Devices: 'all' | Weekly | Tue Sep 16 07:10:00 PDT 2008 | success | |
| <input type="checkbox"/> | scan inventory | Devices: 'acid' | Daily | Wed Nov 02 15:18:00 PST 2005 | success | |

Below the table is a 'Delete' button. The footer of the interface contains the text: Copyright 2003-2005, Juniper Networks, Inc. All Rights Reserved. Trademark Notice.

The Operations dialog box lists all operations run using a schedule by operation type, target devices, execution schedule, when the operation is scheduled to run again, last run status, and an optional comment about the operation.

Click a link in the Last Status column for an operation to display the View Status Records dialog box (for more information, see “Monitoring Operations Run in Real Time” on page 169).

Monitoring Selected Operation Status

Use the Monitor Status dialog box to view the operation status of a saved operation that you select. For more detailed information about monitoring operation status, see “Viewing Operation Status” on page 215.

To view the status of a selected saved operation, follow these steps:

1. From the JUNOScope main window, click Operation > Status. The Status—Select Device or Operation and Query Options dialog box appears.

Juniper NETWORKS JUNOScope™ Home | Help | About | Logout
Logged in as: admin

Looking Glass Configuration Inventory Management Monitor Settings

Home > Monitor > Status

Operations
Status

Monitor

Status

Select Device or Operation and Query Options

Devices or Operations to Query:

All Devices

Group: all

Selected Devices: router1, router2, router3, router4

Selected Operations: Archive and inventory Core network, Archive Core network, Archive Core, Edge, then Lab, Archive Edge network

Filters to apply to query:

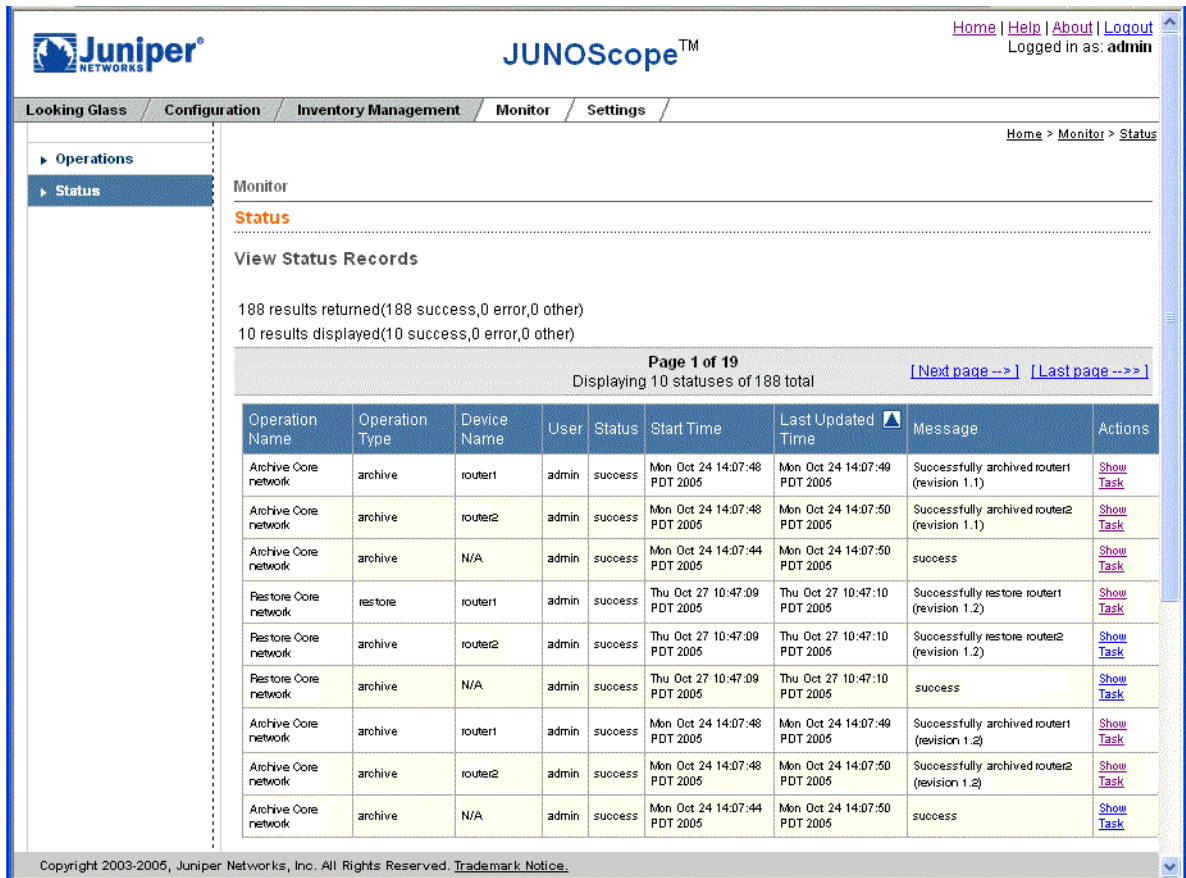
| Filter Rule |
|---|
| Limit to 10 rows per page |
| Sort results by Last Updated Time |
| Refresh status every Never |
| <input type="checkbox"/> Updated in last 0 seconds |
| <input type="checkbox"/> Currently in state Pending |
| <input type="checkbox"/> Associated with user admin |

OK Cancel

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2. Click the Selected Operations option button, and select the saved operation for which you want to view status.

3. Click OK. The View Status Records dialog box appears displaying the operation status by operation name, operation type, device name, username, operation status, start time, last updated time, and a status message.



Click the Show Task link to display a page that displays the status records that are run as part of the task you selected. Click Back to status to return to the View Status Records dialog box.

Importing Saved Operations Information

You can import device information from another JUNOScope server, or you can use the provided sample XML import file `export-import-sample.xml` as a guide. Importing saved operations information is useful when you do not want to enter that information manually.

To import schedules information, follow these steps:

1. In the JUNOScope main window, click Settings > Saved Operations. The Saved Operations dialog box appears.

Home > Settings > Saved Operations

Settings

Saved Operations

Page 1 of 2
Displaying 10 operations of 14 total

[\[Next page -->\]](#) [\[Last page -->>\]](#)

| Name | Comment | Actions |
|-------------------------------------|--|---|
| Archive and inventory Core network | Backup Core network after weekly maintenance | Run Delete Edit |
| Archive Core Network | Daily backup Core network devices | Run Delete Edit |
| Archive Core, Edge, then Lab | Backup devices in all networks nightly | Run Delete Edit |
| Archive Edge network | Daily backup Edge network | Run Delete View |
| Archive Lab network | Daily backup Lab network | Run Delete View |
| Archive, restore, then archive Core | Update Core network after necessary device configuration changes | Run Delete Edit |
| Inventory Scan Core Network | Daily inventory Core network devices | Run Delete View |
| Restore Core Network | Restore Core network devices as needed | Run Delete View |

[Add](#) [Export](#) [Import](#)

- Click Import. The Import Schedules dialog box appears.

Home > Settings > Saved Operations

Settings

Saved Operations

Import Saved Operation

File: [Browse...](#)

Import Options

Ignore

Merge

Override

[Import](#) [Cancel](#)

- In the File text box, either browse to or type the name of the XML file that you want to import. For example, you can import the default `schedules.xml` export file from another JUNOScope server or use the provided sample `export-import-sample.xml` XML file on the JUNOScope server to generate a file to import.



NOTE: The junoscope- XML file prefix is not generated if you use the Microsoft Internet Explorer 6.0 Web browser to export JUNOScope setup data. You will only see the `schedules` filename.

4. 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.
5. Click Import. The Import status dialog box appears.



The dialog box indicates the number of records imported successfully and unsuccessfully. The Details column provides a description for records that fail import.

6. Click OK. The imported data is listed in the Saved Operations dialog box.

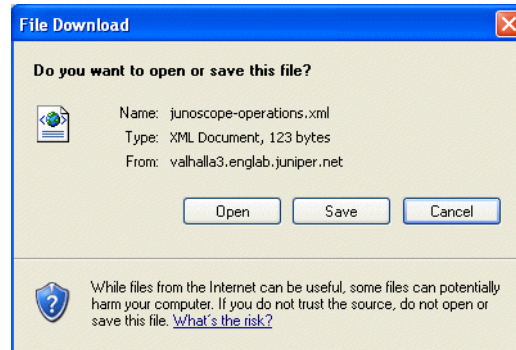
Exporting Saved Operations Information

You can export saved operations that you want back up or import to another JUNOScope server.

To export export saved operations information, follow these steps:

1. In the JUNOScope main window, click Settings > Saved Operations. The Saved Operaitons dialog box appears.

- Click Export. The File Download dialog box appears.



- Click Save to save the saved operations information to the local filesystem.

Deleting Saved Operations

You can delete saved operations. However, you cannot delete a simple operation that is being used in a compound operation. Also, you cannot delete any simple or compound operation that is already scheduled to run. To delete an operation that is already scheduled to be run, use Monitor > Operations. For more information, see “Managing Operations” on page 211.

To delete an operation that you have saved, follow these steps:

- From the JUNOScope main window, click Settings > Saved Operations. The Saved Operations dialog box appears.

[Home](#) > [Settings](#) > Saved Operations

Settings

Saved Operations

Page 1 of 2
Displaying 10 operations of 14 total [\[Next page -->\]](#) [\[Last page -->>\]](#)

| Name | Comment | Actions |
|-------------------------------------|--|---|
| Archive and inventory Core network | Backup Core network after weekly maintenance | Run Delete Edit |
| Archive Core Network | Daily backup Core network devices | Run Delete Edit |
| Archive Core, Edge, then Lab | Backup devices in all networks rightly | Run Delete Edit |
| Archive Edge network | Daily backup Edge network | Run Delete View |
| Archive Lab network | Daily backup Lab network | Run Delete View |
| Archive, restore, then archive Core | Update Core network after necessary device configuration changes | Run Delete Edit |
| Inventory Scan Core Network | Daily inventory Core network devices | Run Delete View |
| Restore Core Network | Restore Core network devices as needed | Run Delete View |

[Add](#) [Export](#) [Import](#)

- Click the Delete link for the operation that you want.

