Chapter 26

Scheduling Custom Inventory Reports and Viewing Archived Inventory Reports

This chapter describes how to schedule custom Inventory Management System reports—such as event, hardware, software, licensing—to run at a specified time without intervention. Custom inventory reports are generated when you select an existing report and save it using a unique name.

You can schedule custom inventory reports that you save by associated them with a schedule that is created using Settings > Schedules.

You can save scheduled custom inventory report operations and combine them with other operations—such as archive, restore, scan inventory, install image, or download image—using Task Manager (Settings > Saved Operations) to run at a specified time.

Once a custom inventory report is run, the Inventory Management System archives that report in the repository, so you can view it at a later time in Adobe PDF or Microsoft Excel format using Inventory Management > Repository > View. Additionally, you can view the custom inventory report operation status, including report name, username, status, start time, and status message, using Monitor > Status.

To schedule custom inventory reports and view inventory report status, you must have superuser and read-write privileges. All users can monitor custom inventory report status. To view custom inventory reports, you must have either superuser, read-write privileges.

If a custom report is archived successfully, a successful system log messages is generated. If a report can not be archived successfully, an error system log message is generated. For more information about JUNOScope system log messages, see "JUNOScope System Log Messages" on page 429.

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- Monitoring Scheduled Custom Inventory Report Operation on page 283
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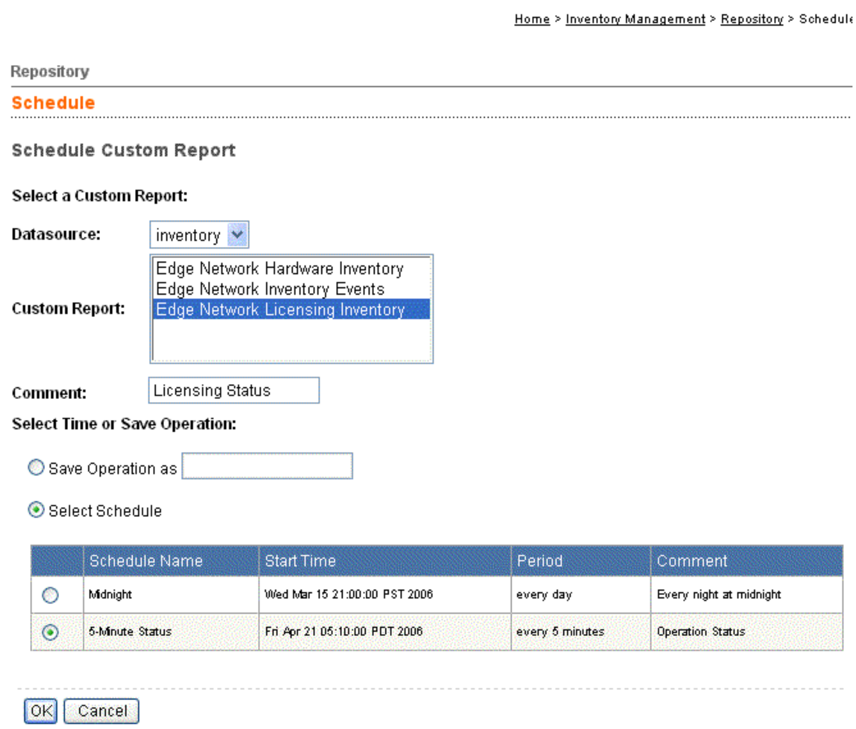
Scheduling a Custom Inventory Report

You can schedule custom inventory reports to run at a specified time. You cannot schedule predefined Inventory Management System reports, because no name has been associated with them.

A user with superuser privileges can create a report schedule using Settings > Repository > Schedule. A user with superuser and read-write privileges can associate a custom inventory report with that schedule.

1. In the JUNOScope main window, click Inventory Management > Repository > Schedule.

   The Schedule Custom Report dialog box appears.



2. Select a data source for the report.

   Demo is the only data source available until you perform an inventory scan on your network devices. Thereafter, the Inventory data source is available. For information about Inventory Management System data sources, see "Understanding Report Data Sources" on page 240.

3. Select a custom report.

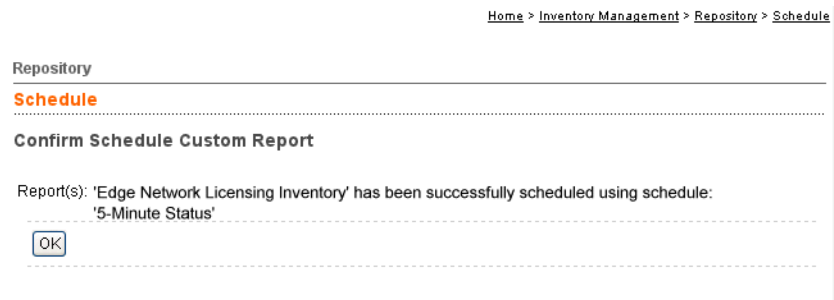
   A custom report is one that you have saved. Saved custom reports are listed in the Custom Report list box by name. To save a custom report, see "Saving a Custom Report" on page 274.

4. Click the Select Schedule option button, then select an existing schedule.

   Schedules that you have created using Settings > Schedules are listed in the Select Schedule table. If you have not created a schedule, see “Scheduling a Custom Inventory Report” on page 280.

5. Click OK.

   The Confirm Schedule Custom Report dialog box appears.



6. Ensure that the schedule inventory report options that you selected are correct, then click OK.

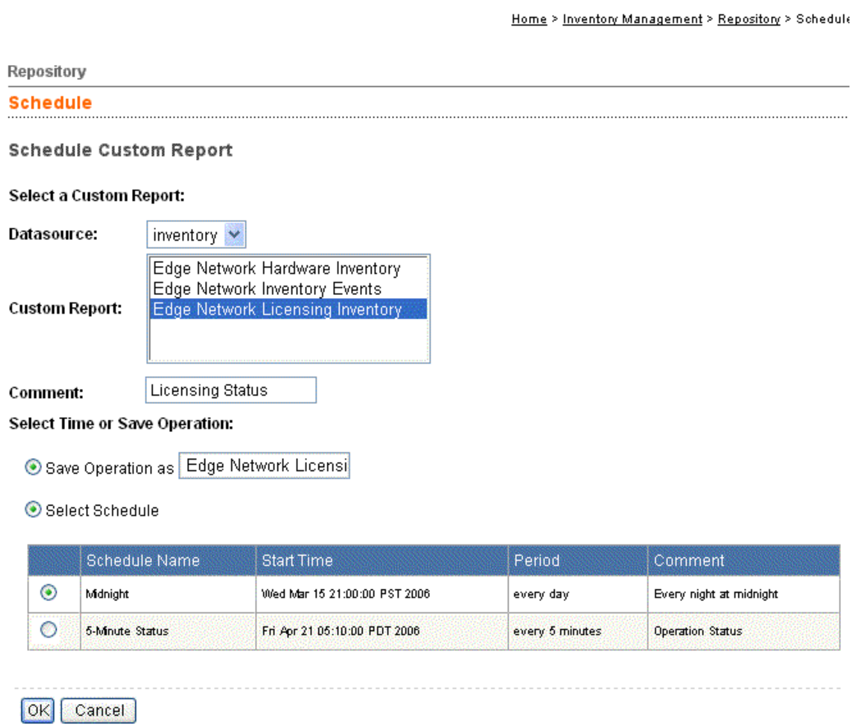
   The custom inventory report will run at the scheduled time that you specified. You return to the Schedule dialog box.

Saving Scheduled Custom Inventory Report Operations

You can save scheduled custom inventory report operations. Using Task Manager (Settings > Saved Operations), you can create compound operations from any simple and compound operations that you have saved, such as archive, restore, inventory scan, install image, or download image. For more information about working with saved operations, see “Using Task Manager (Saved Operations)” on page 153.

To save a custom inventory report operation, follow these steps:

1. In the JUNOScope main window, click Inventory Management System > Repository. The Schedule Custom Report dialog box appears.



2. Click the Save Operation as option button.

3. Type a name for the operation in the Save Operation as text box.

4. Click OK.

   The Confirm Save Schedule Report Operation dialog box appears.

5. Ensure that the save scheduled custom inventory operation options you selected to save are correct, then click OK.

   You return to the Schedule dialog box.

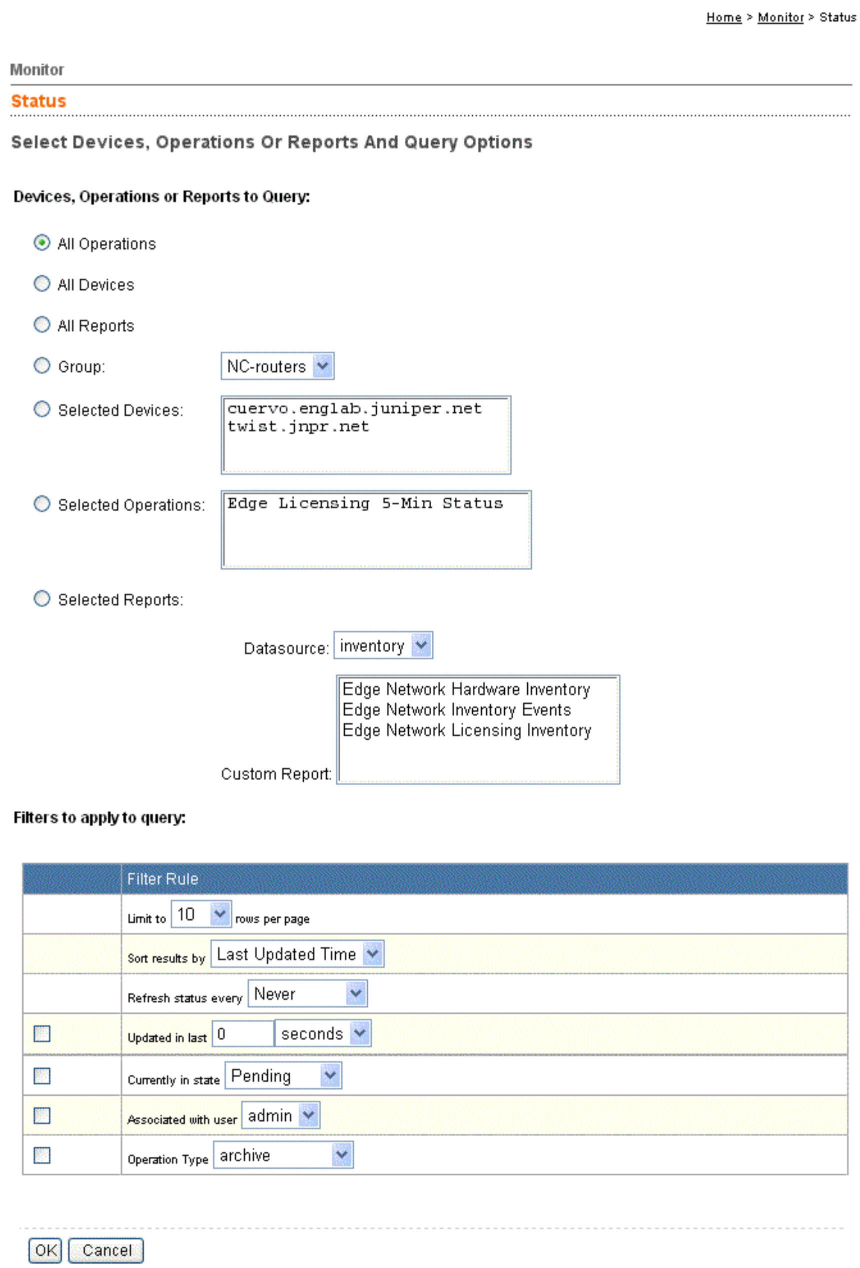
Monitoring Scheduled Custom Inventory Report Operation

All JUNOScope users can view the status of custom inventory reports that have run. The status of operations can be pending, connecting, working, writing, warning, success, or error.

To monitor the status of custom inventory report operations that have run, follow these steps:

1. In the JUNOScope main window, click Monitor > Status.

The Status—Select Devices, Operations, Reports, and Query Options dialog box appears.



2. Select the operations to query.

3. Select the Groups or Devices to query.

4. Select the data source and the custom inventory reports to query.

5. Select the Filters to apply to view reports.

   - Limit to <#> rows per page drop-down list box—Filters the operation status by the number of rows to display per page: 10, 25, 50, or 100. The default is 10 rows.

   - Sort results by <*column name*> drop-down list box—Sorts the results by the last modified time, operation name, operation type, device name, username, status, start time, or message. The default is to sort by the last modified time.

   - Refresh status every <*selected time*> drop-down list box—Updates the operation status at an interval that you specify: Never, 10 seconds, 30 seconds, 1 minute, 2 minutes, 5 minutes, 15 minutes, 30 minutes, or 1 hour. The default is Never.

   - Updated in last <*time period*> check box, text box, and drop-down list box—Filters the operation status results by the last time period that you specify. The default is 0 seconds. Select the check box to enable this filter rule. Type a time value in the time period text box. Click the down arrow to view the available time periods: seconds, minutes, hours, and days.

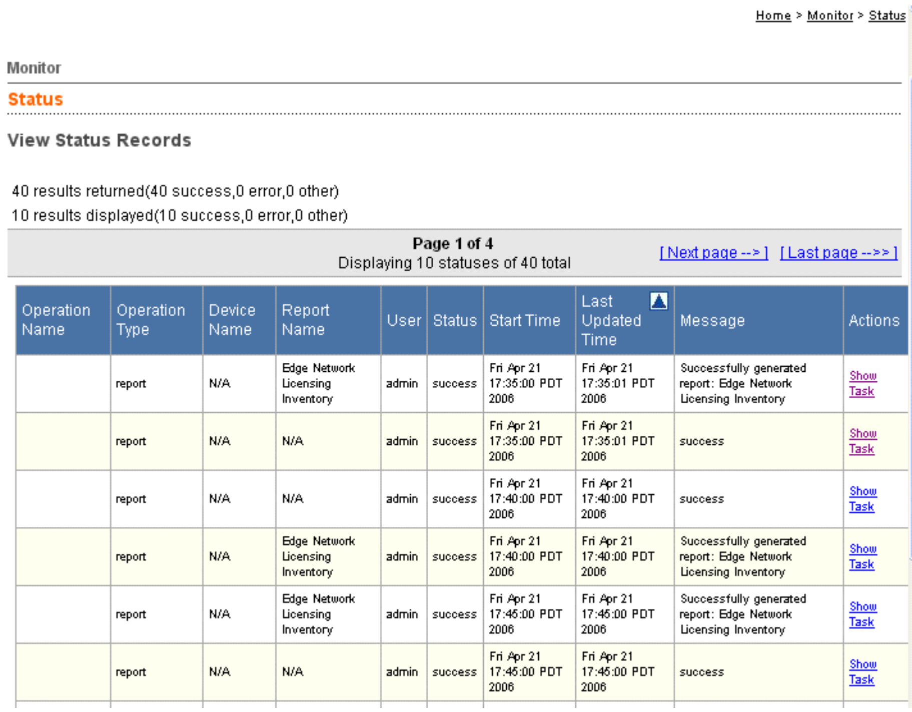
   - Currently in *state* check box and drop-down list box—Filters the operation status by those that are currently in a particular state: pending, connecting, working, writing, success, and error. The default is Pending. Select the check box to enable this filter rule.

   - Associated with *user* drop-down list box—Displays the operation status results for a selected username. The listed usernames that have been added using Settings > Users. Select the check box to enable this filter rule.

   - Operation type drop-down list box—Displays the current JUNOScope operations that you can save, such as archive, restore, report, scan inventory, install, and download. The default is archive. Select the check box to enable this filter rule.

6. Click OK.

   The View Status Records dialog box appears with the status data that you queried.



Operation Name	Operation Type	Device Name	Report Name	User	Status	Start Time	Last Updated Time	Message	Actions
	report	N/A	Edge Network Licensing Inventory	admin	success	Fri Apr 21 17:35:00 PDT 2006	Fri Apr 21 17:35:01 PDT 2006	Successfully generated report: Edge Network Licensing Inventory	Show Task
	report	N/A	N/A	admin	success	Fri Apr 21 17:35:00 PDT 2006	Fri Apr 21 17:35:01 PDT 2006	success	Show Task
	report	N/A	N/A	admin	success	Fri Apr 21 17:40:00 PDT 2006	Fri Apr 21 17:40:00 PDT 2006	success	Show Task
	report	N/A	Edge Network Licensing Inventory	admin	success	Fri Apr 21 17:40:00 PDT 2006	Fri Apr 21 17:40:00 PDT 2006	Successfully generated report: Edge Network Licensing Inventory	Show Task
	report	N/A	Edge Network Licensing Inventory	admin	success	Fri Apr 21 17:45:00 PDT 2006	Fri Apr 21 17:45:00 PDT 2006	Successfully generated report: Edge Network Licensing Inventory	Show Task
	report	N/A	N/A	admin	success	Fri Apr 21 17:45:00 PDT 2006	Fri Apr 21 17:45:00 PDT 2006	success	Show Task

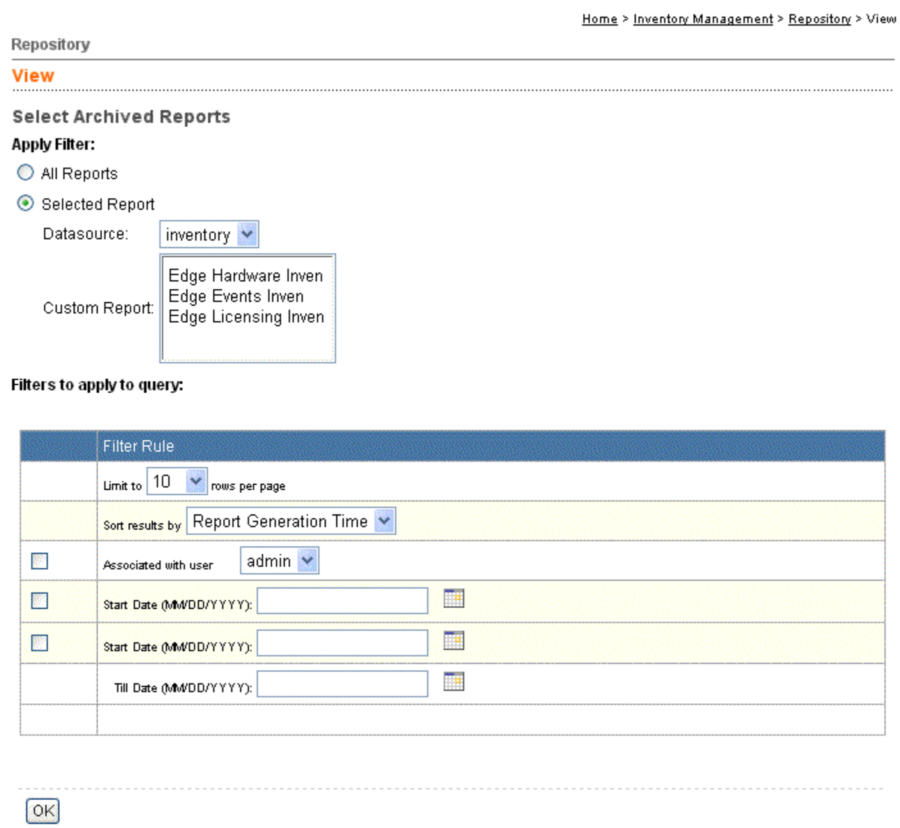
Viewing Archived Custom Inventory Reports

Once a custom inventory report runs, it is archived so you can view it later. If no custom inventory report operations have run, then you will not be able to see any archive report data. Only users with superuser and read-write access can view archived custom reports. Users with read-write privileges can view only those reports that are generated by that user. Users with superuser privileges can view reports generated by all users.

To view an archive report, follow these steps:

1. In the JUNOScope main window, click Inventory Management > Repository > View.

   The Select Archived Reports dialog box appears.



2. Select the report(s) to query.

   a. Select either the All Report or Selected Report option button.

   b. If you selected the Selected Report option button, select the data source, then select the custom report name in the Custom Report list box.

3. Select the Filters to apply to the status query:

   - Limit to <#> rows per page drop-down list box—Filters the operation status by the number of rows to display per page: 10, 25, 50, or 100. The default is 10 rows.

   - Sort results by <column name> drop-down list box—Sorts the results by the report generation time, report name, or username. The default is to sort by the report generation time.

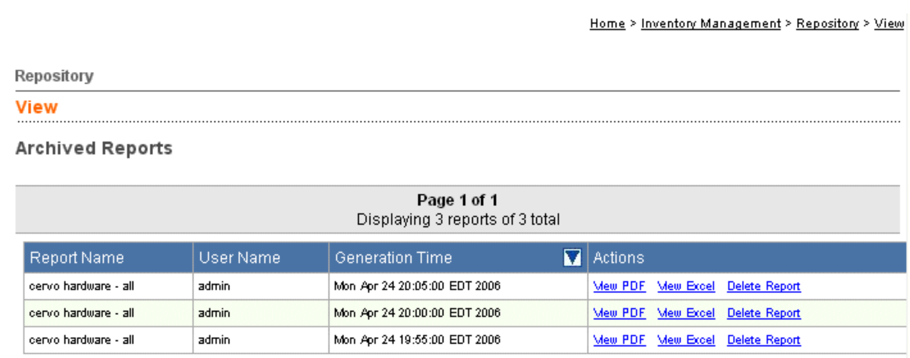
   - Associated with *user* drop-down list box—Displays the operation status results that are associated with a selected username. The listed usernames have been added using Settings > Users. Select the check box to enable this filter rule.

   - Start Date text box and calendar—Specifies the beginning of a date range within which to view archived reports. Click the calendar icon to view the current month. Select the date that you want, then click OK. The date appears in the Start Date text box in *dd/mm/yyyy* format, where *dd* is the day, *mm* is the month, and *yyyy* is the year).

   - Till Date text box and calendar—Specifies the end of a date range within which to view archived reports. Click the calendar icon to view a the current month. Select the date that you want then click OK. The date appears in the Start Date text box in *dd/mm/yyyy* format, where *dd* is the day, *mm* is the month, and *yyyy* is the year).

4. Click OK.

   The View Archived Reports dialog box appears.



5. Archived reports are listed in the View Archived Reports dialog box by custom report name, username of the person who scheduled the report to run, and generation date when the report was run.

    - To view an archived report in Adobe Acrobat PDF format, click the View PDF link.
    - To view an archived report in Microsoft Excel format, click the View Excel link.
    - To delete an archived report, click the Delete Report link.