Chapter 24

Scanning Inventory Data

This chapter describes how to use the Inventory Management System to scan devices on the network and keep track of inventory items, such as hardware components in the chassis, installed software packages, and feature licenses.

The Inventory Management System scans for inventory items in real time or as part of an existing scheduled operation.

The Inventory Management System stores inventory data in the JUNOScope database.

To scan inventory data, you must have superuser or read-write access privilege levels.

This chapter includes the following topics:

Understanding Inventory Items

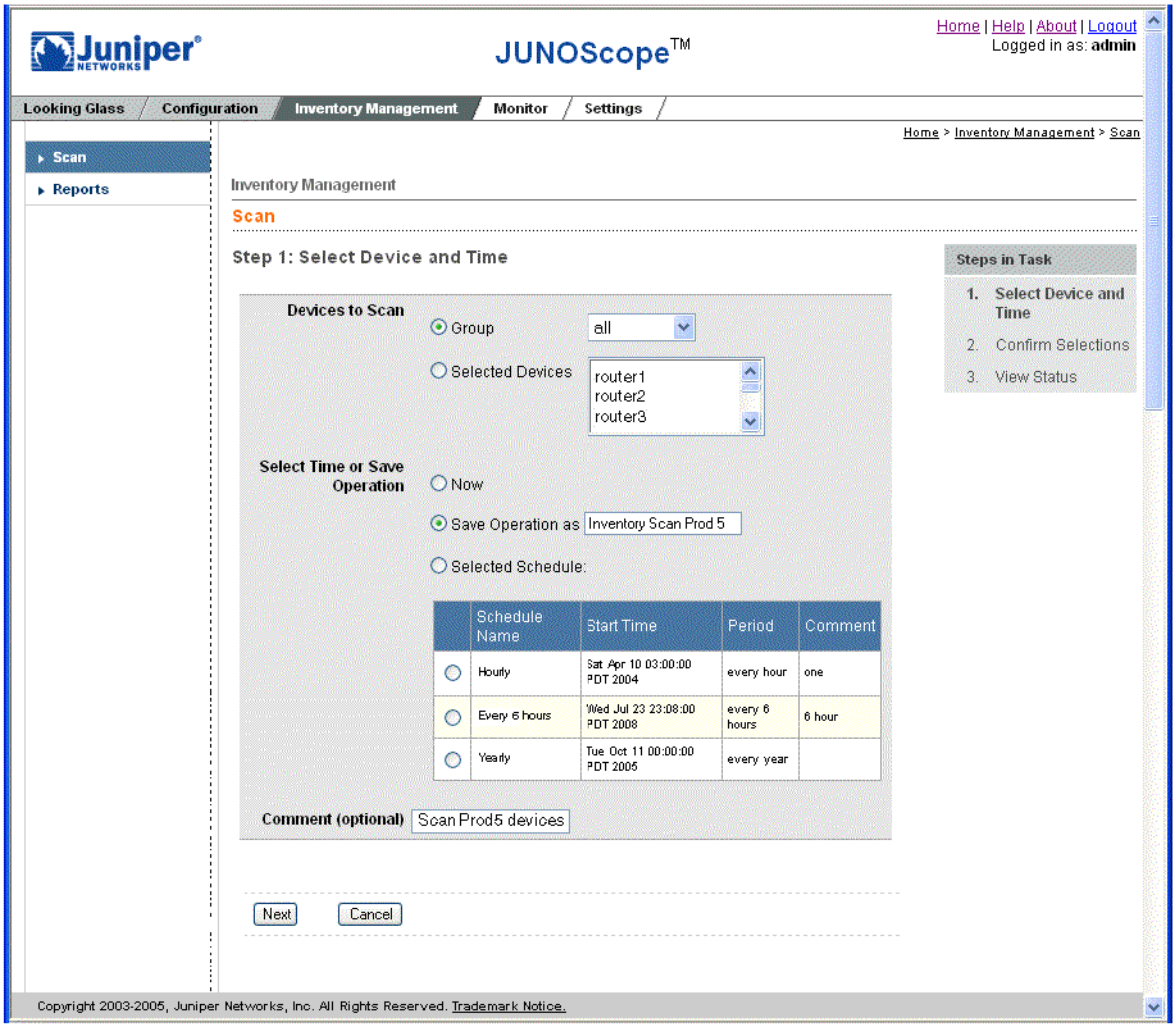
An inventory scan gathers a listing of all inventory items, such as:

- Hardware components installed in a routing platform, including part numbers and serial numbers
- Feature licenses for enabling software features on a routing platform
- JUNOS software and packages installed on a routing platform
- Inventory events that occur when an inventory scan is performed

Performing an Inventory Scan

To perform an inventory scan, follow these steps:

1. In the JUNOScope main window, click Inventory Management > Scan. The Scan—Select Device and Time dialog box appears.



2. Select the devices you want scanned. Select either the Group (default) or Selected Devices option button.

3. Click the down arrow to select the group or device(s) that you want scanned. You can select multiple groups or devices by Shift or Control-clicking each device name that you want.

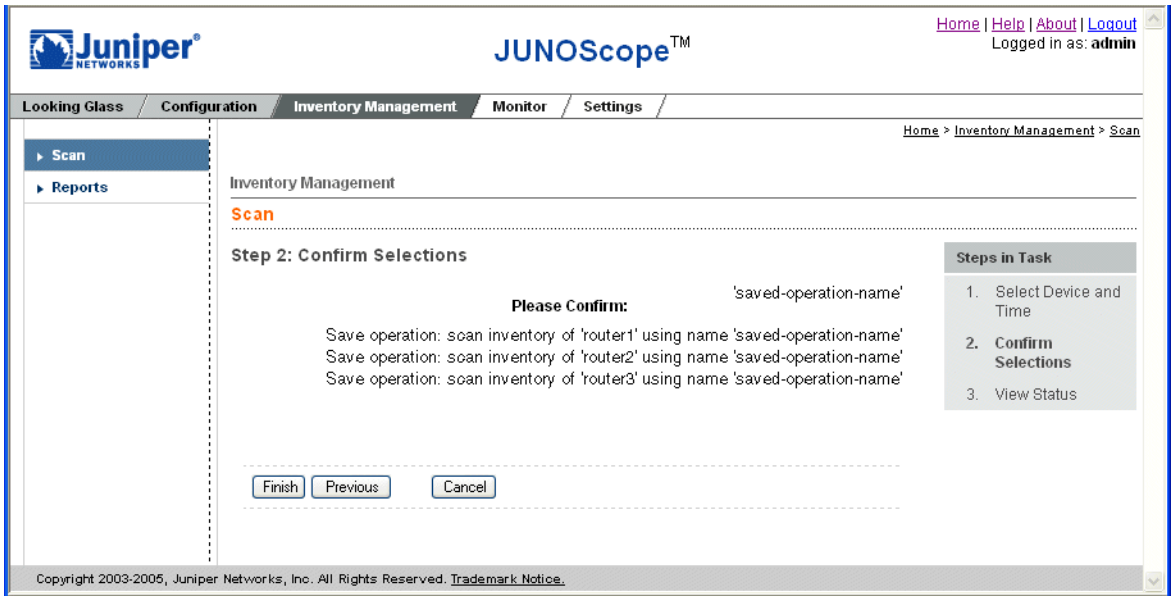
NOTE: The Inventory Management System scans the inventory on both the TX Matrix platform and attached T640 routing nodes. The TX Matrix routing platform consists of the TX Matrix platform (also known as the switch-card chassis [SCC]) and the attached T640 routing nodes (also known as line-card chassis [LCC]).

4. Select when you want the inventory scan to occur:

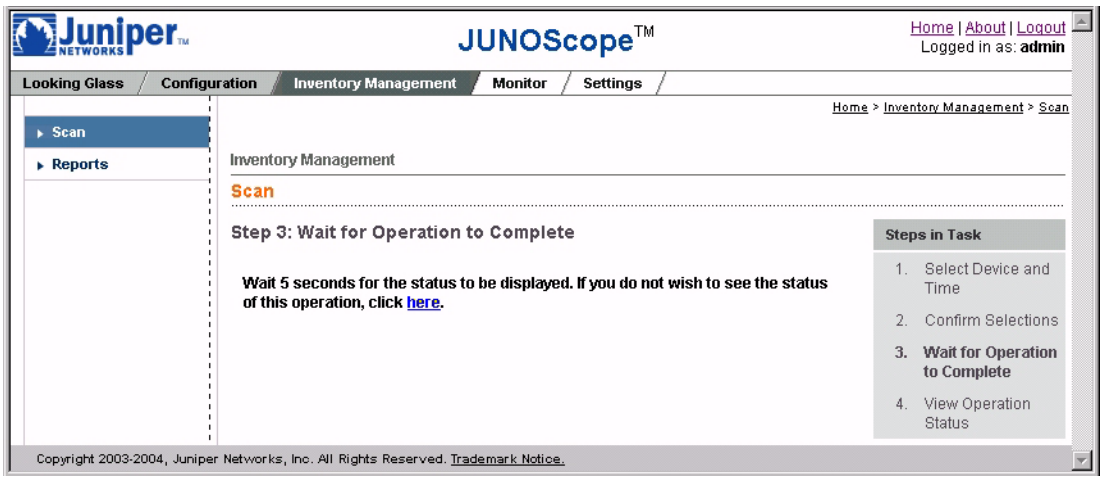
   - Now—(Default) Performs an inventory scan immediately after you confirm it.
   - Save Operations as text box—Lets you save the inventory scan operation with a unique name so that you can combine it with other operations to run on devices.
   - Selected Schedule—Click an option button to schedule when you want inventory scanning to occur.

5. In the Comment text box, type an optional descriptive comment about the inventory scan that you want to perform.

6. Click Next. The Scan—Confirm Selections dialog box appears.

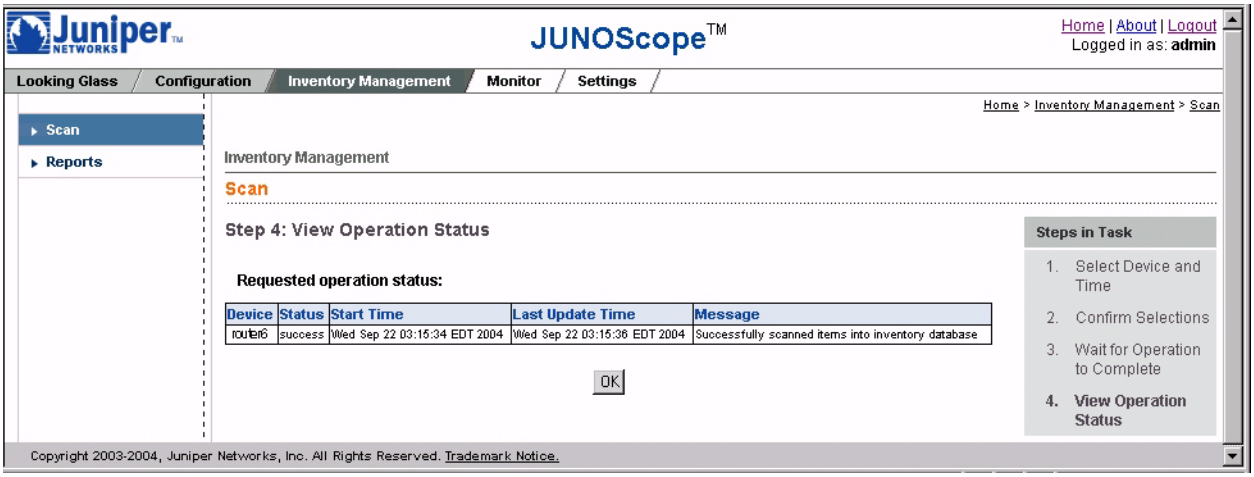


7. Click Finish to confirm the scan inventory operation. If you selected Now in Step 4, inventory scanning occurs immediately and the Scan—Wait for Operation to Complete message appears.



If you selected a predefined schedule, inventory scanning occurs when that schedule is specified to run.

When the scan inventory operation is complete, the Scan—View Operation Status dialog box appears displaying the status of the operation.



Understanding Inventory Scan Status Messages

The following inventory scan status output messages indicate that the operation was successful:

- Successfully scanned items into inventory database
- No change in inventory database

The following operation status output messages indicate that the inventory scan failed to process one or more inventory records in the database:

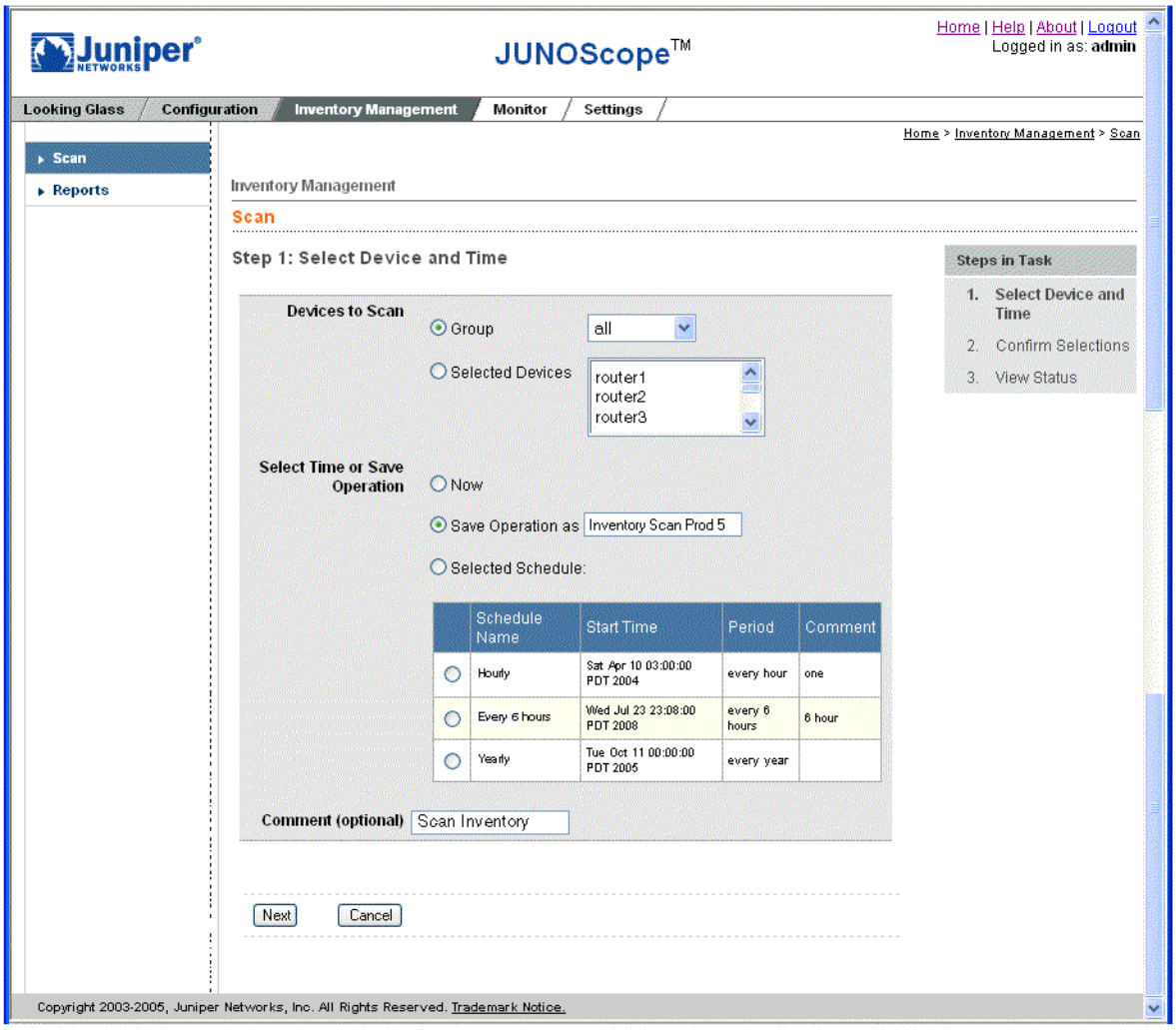
- Could not find inventory information for "*hostname*"
- Inventory database operation failed
- Could not open connection: *hostname*

Saving an Inventory Scan Operation

You can save inventory scan operations and combine them with other saved operations to run concurrently or sequentially on specific devices either immediately or at a specified time or interval.

To save an inventory operation, follow these steps:

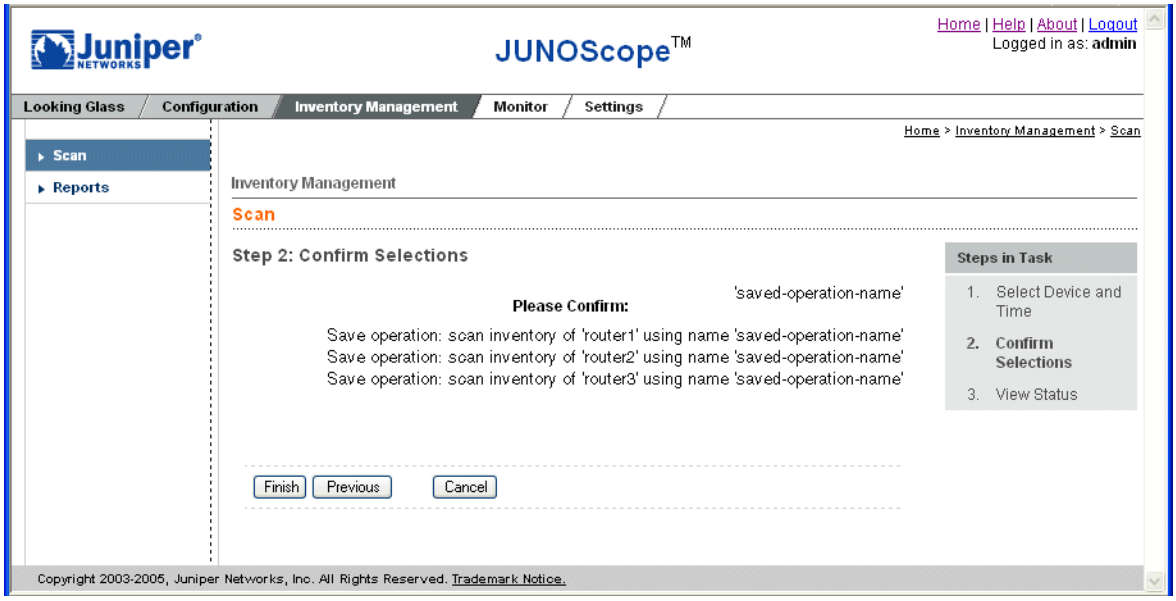
1. From the JUNOScope main window, click Inventory Management > Scan. The Scan—Select Device and Time dialog box appears.



2. Select a group or one or more devices on which to scan inventory.

3. Click the Save Operation as option button and type a name for the saved inventory scan operation in the text box.

4. Click Next. The Scan—Confirm Selections dialog box appears.



5. Check to see that the selections for the scan operation you want to save are correct.

6. Click Finish. The Inventory Management menu appears.

   To view the saved archive operation, click Settings > Saved Operations. To work with saved operations, see “Using Task Manager (Saved Operations)” on page 153.

Where To Go From Here

- To view and manipulate Inventory Management System reports of inventory items stored in the JUNOScope demo or production database, see “Using Inventory Reports” on page 239.

- To extract Inventory Management System data to an external inventory application using a read-only SQL interface, see “Exporting Inventory Management System Data” on page 291.