

Junos Space Network Management Platform

User Interface Guide

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Junos Space Network Management Platform User Interface Guide
22.2

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About This Guide

Use this guide to understand the layout, and components, such as getting started assistant, status indicators, inventory landing page, tooltips and messages, statistics page, and so on, of the Junos Space Network Management Platform.

1

CHAPTER

Overview

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Junos Space User Interface Overview

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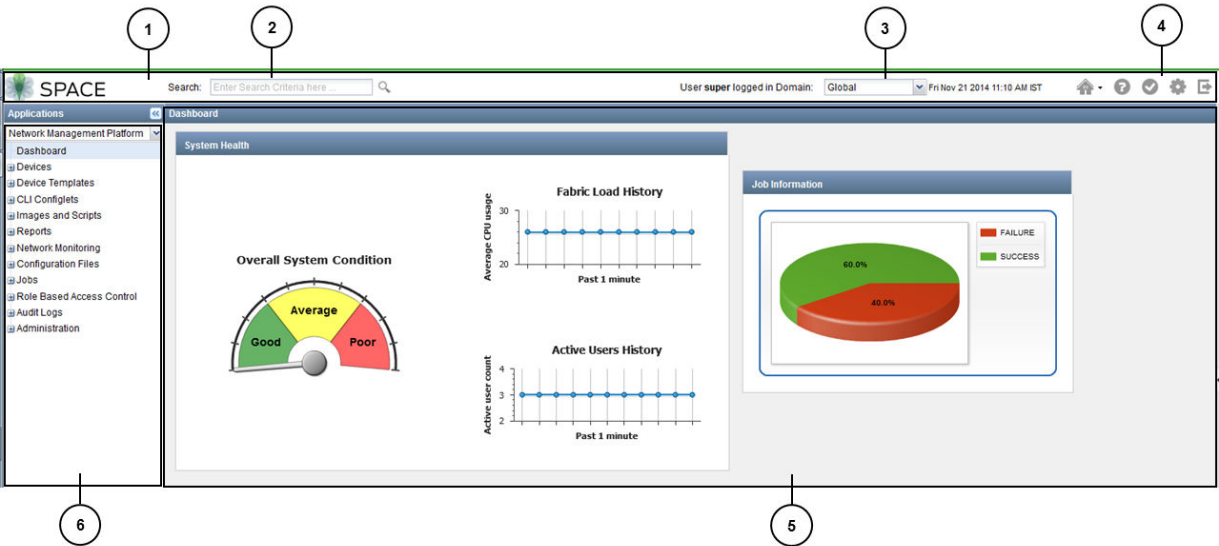
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The Junos Space UI is designed to look and behave in a way that most users are familiar with. The left tree structure facilitates navigation and the right pane displays information about the workspace or task selected in the left pane. Multiple users can access the UI through Web browsers concurrently. All users have access to the same current information in the same system wide database. Access to tasks and objects is controlled by permissions assigned to each user.

The Junos Space UI is common to Junos Space Network Management Platform and Junos Space applications. The information displayed on the Junos Space UI changes according to the application you select. The examples shown here are from the Junos Space Platform UI. Other applications may have design variations.

When you log in to Junos Space Platform, the previously configured home page is displayed. The Junos Space Platform Dashboard, which is the default home page, is shown in [Figure 1 on page 3](#).

Figure 1: Junos Space Platform Default Home Page



1– Junos Space Banner	4– Global Action Icons
2– Global Search Text Box	5– Junos Space Dashboard
3– Domain Switcher	6– Task Tree

This display contains three main parts: a task tree on the left, which is always available; a main window on the right, whose content changes as you select items from the task tree; and a banner across the top, which offers the date and time, the domain to which you are logged in, global search, and several icon buttons for frequently used actions. These parts are described in the following sections.






Junos Space Banner

The Junos Space banner, as indicated in [Figure 1 on page 3](#), displays the date and server time in the active time zone, the domain to which you are logged in, global search, and the global actions icons. This banner is always present. For more information about global search and domain features, see ["Using Global Search" on page 98](#) and the *Domains Overview* topic (in the *Junos Space Network Management Platform Workspaces User Guide*).

NOTE: If you access the Junos Space Platform UI in two tabs of the same browser with two different domains selected and access the same page in both tabs, the information displayed on the page is based on the latest domain selected. To view pages that are accessible only in the Global domain, ensure that you are in the Global domain in the most recent tab in which you are accessing the UI.

Table 1 on page 4 describes the global action icons on the right side of the banner.

Table 1: Global Action Icons

Global Action Icon	Description
	Enables you to access the Junos Space home page or set the Junos Space home page. Refer to the "Setting and Accessing the Junos Space Home Page" on page 16 for details.
	Displays the application Help. To access workspace context-sensitive Help, click the Help icon after navigating to that workspace. See "Accessing Help on Junos Space" on page 20 .
	Displays the My Jobs dialog box from which you can view the progress and status of your current managed jobs. You can view all your completed, in-progress, canceled, and scheduled jobs in Junos Space Platform. See "Viewing Your Jobs" on page 99 in the <i>Junos Space Network Management Platform Workspaces User Guide</i> .
	Displays the Change User Settings dialog box from which you can change user preferences, such as the password. See "Changing Your Password on Junos Space" on page 100 .
	Logs you out of the system. See "Logging Out of Junos Space" on page 102 .

Task Tree

The task tree on the left side of the display is always present and facilitates navigation in the Junos Space Platform UI. As shown in [Figure 1 on page 3](#), when you first log in, the Application Selector list displays Network Management Platform by default. You can drop this list down to see all the Junos Space applications available on your system. (You can install other applications by using the Applications

task group, as described in *Managing Junos Space Applications Overview* in the *Junos Space Network Management Platform Workspaces User Guide*.)

You can collapse the task tree to the left by clicking the double left arrow buttons in its header, and reexpand it by clicking the double right arrow buttons.

Below the application name is the word **Dashboard**, selected by default. It indicates that what you see in the right-hand window is the dashboard for the current application—in this case, Junos Space Platform. The dashboard shows several measures of overall system health.

Below the Dashboard item in the tree is a list of the workspaces available in the current application. This list forms the top level of the task tree. If you select a different application from the **Applications** list, you see the workspace list change. This topic describes the workspaces for Junos Space Platform; for the workspaces in other applications, see the documentation for those applications.

The workspaces in the Junos Space Platform are described at a high level in [Table 2 on page 5](#).

Table 2: Workspace Names

Workspace Name	Function
Devices	Manage devices, including adding, discovering, importing, and updating them. See <i>Device Management Overview</i> (in the <i>Junos Space Network Management Platform Workspaces User Guide</i>).
Device Templates	Create configuration definitions and templates used to deploy configuration changes on multiple Juniper Networks devices. See <i>Device Templates Overview</i> (in the <i>Junos Space Network Management Platform Workspaces User Guide</i>).
CLI Configlets	Easily apply a configuration to a device. Configlets are configuration tools provided by Junos OS. See <i>CLI Configlets Overview</i> (in the <i>Junos Space Network Management Platform Workspaces User Guide</i>).
Images and Scripts	<p>Deploy, verify, enable, disable, remove, and execute scripts deployed to devices. See <i>Scripts Overview</i> (in the <i>Junos Space Network Management Platform Workspaces User Guide</i>).</p> <p>Download a device image from the Juniper Networks Software download site to your local file system, upload it into Junos Space, and deploy it on one or more devices simultaneously. See <i>Device Images Overview</i> (in the <i>Junos Space Network Management Platform Workspaces User Guide</i>).</p>

Table 2: Workspace Names *(Continued)*

Workspace Name	Function
Reports	Generate customized reports for managing network resources. See <i>Reports Overview</i> (in the <i>Junos Space Network Management Platform Workspaces User Guide</i>).
Network Monitoring	Assess the performance of your network, not only at a point in time, but also over a period of time. See <i>Network Monitoring Workspace Overview</i> (in the <i>Junos Space Network Management Platform Workspaces User Guide</i>).
Configuration Files	See <i>Managing Configuration Files Overview</i> (in the <i>Junos Space Network Management Platform Workspaces User Guide</i>).
Jobs	Monitor the progress of ongoing jobs. See <i>Jobs Overview</i> (in the <i>Junos Space Network Management Platform Workspaces User Guide</i>).
Role Based Access Control	Add, manage, and delete users, custom roles, domains, and remote profiles. From this workspace, you can also manage user sessions. See <i>Configuring Users to Manage Objects in Junos Space Overview</i> (in the <i>Junos Space Network Management Platform Workspaces User Guide</i>).
Audit Logs	View and filter system audit logs, including those for user login and logout, tracking device-management tasks, and displaying services that were provisioned on devices. See <i>Junos Space Audit Logs Overview</i> (in the <i>Junos Space Network Management Platform Workspaces User Guide</i>).
Administration	Add network nodes, back up your database, manage licenses and applications, or troubleshoot. See <i>Junos Space Administrators Overview</i> , <i>Maintenance Mode Overview</i> , and other topics related to the Administration workspace in the (in the <i>Junos Space Network Management Platform Workspaces User Guide</i>).

You can expand any of these workspaces by clicking the expansion symbol (+) to the left of its name. When you do so, the next level of the task tree for that workspace opens. Some items at this second level may also be expandable subgroups.

You can expand as many workspaces or task groups as you like; previously expanded ones remain open until you collapse them. The design of the task tree enables you to jump from area to area within an application with the minimum number of selections.

Main Window

When you log in to Junos Space Platform, the main window shows the application dashboard by default. If you have set another home page, the main window displays that page. See ["Setting and Accessing the Junos Space Home Page" on page 16](#) for more information.

When you select a workspace name (as opposed to expanding it), the main window changes and displays graphical statistics for that workspace. This display is called Workspace Statistics. It is similar in functionality to the overall system dashboard, but it pertains only to that workspace. See ["Workspace Statistics Page Overview" on page 46](#) for more information.

Selecting the name of a task group or task within the workspace causes the main window to display an inventory of the objects managed in tabular format. See ["Inventory Landing Page Overview" on page 48](#) for more information.

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Junos Space Home Page Overview

When you log in to Junos Space Network Management Platform, the default page displayed is the Junos Space Dashboard page. However, you can set a different page as the home page and on subsequent logins to Junos Space Platform, the configured home page is displayed. This is useful because you can configure the home page to the page that you visit frequently or the page that is related to your role; for example, a device administrator might configure the Devices Dashboard page as the home page.

[Table 3 on page 8](#) displays the list of pages in Junos Space Network Management Platform that you are allowed to set as the home page.

Table 3: Junos Space Platform Pages that Can Be Set as the Home Page

Workspace	Page
None	Junos Space Dashboard
Devices	<ul style="list-style-type: none"> • (Devices) Dashboard • Device Management • Device Discovery (Dashboard) <ul style="list-style-type: none"> • Device Discovery Profiles • Unmanaged Devices • Model Devices <ul style="list-style-type: none"> • Connection Profiles • Secure Console • Device Adapter
Device Templates	<ul style="list-style-type: none"> • (Device Templates) Dashboard • Definitions • Templates
CLI Configlets	<ul style="list-style-type: none"> • (CLI Configlets) Dashboard • Configlets • Configuration View • Configuration Filter • Xpath and Regex

Table 3: Junos Space Platform Pages that Can Be Set as the Home Page *(Continued)*

Workspace	Page
Images and Scripts	<ul style="list-style-type: none">• (Images and Scripts) Dashboard• Images• Scripts• Operations• Script Bundles
Reports	<ul style="list-style-type: none">• (Reports) Dashboard• Report Definitions• Generated Reports

Table 3: Junos Space Platform Pages that Can Be Set as the Home Page *(Continued)*

Workspace	Page
Network Monitoring	<ul style="list-style-type: none"> • (Networking Monitoring) Dashboard • Node List <ul style="list-style-type: none"> • Resync Nodes • Search • Outages • Dashboard • Events • Alarms • Notifications • Assets • Reports • Charts • Topology • Admin <ul style="list-style-type: none"> • SNMPv3 Trap Configuration
Configuration Files	<ul style="list-style-type: none"> • (Configuration Files) Dashboard • Config Files Management
Jobs	<ul style="list-style-type: none"> • (Jobs) Dashboard • Job Management

Table 3: Junos Space Platform Pages that Can Be Set as the Home Page *(Continued)*

Workspace	Page
Role Based Access Control	<ul style="list-style-type: none">• (Role Based Access Control) Dashboard• User Accounts• Roles• Domains• Remote Profiles• API Access Profiles• User Sessions
Audit Logs	<ul style="list-style-type: none">• (Audit Logs) Dashboard• Audit Log

Table 3: Junos Space Platform Pages that Can Be Set as the Home Page *(Continued)*

Workspace	Page
Administration	<ul style="list-style-type: none"> • (Administration) Dashboard • Fabric <ul style="list-style-type: none"> • Space Node Settings • SNMP Manager • NAT Configuration • Database Backup and Restore • Licenses • Applications • Space Troubleshooting <ul style="list-style-type: none"> • Log Configuration • Platform Certificate • CA/CRL Certificates • Authentication Servers • SMTP Servers • Email Listeners • Git Repositories • Audit Log Forwarding • Proxy Server • Tags • DMI Schemas • Hardware Catalog • Purging Policy

The Junos Space Platform home page is displayed in the following cases:

- When you log in to Junos Space
- When you click the **Home** icon on the Junos Space banner and select **Go to homepage**
- When you switch domains and if the page that was displayed prior to the domain switch is not accessible in the new domain

NOTE: If the configured home page is not accessible in the new domain, then the Junos Space Dashboard page is loaded.

NOTE: If an installed Junos Space application supports the Junos Space home page, the Home Page icon is displayed when you access the application; otherwise it is hidden.

For more information about how to set and access the Junos Space home page, refer to ["Setting and Accessing the Junos Space Home Page" on page 16](#).

Release History Table

Release	Description
17.1R1	SNMPv3 Trap Configuration
17.1R1	Hardware Catalog
16.1R2	Space Troubleshooting
16.1R2	Log Configuration
16.1R2	Audit Log Forwarding
15.2R1	Git Repositories

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Logging In to Junos Space

You can connect to the Junos® Space UI by using your Web browser. The minimum browser requirements supported by Junos Space Network Management Platform are Internet Explorer version 11, Google Chrome version 22, and Mozilla Firefox version 45.

We recommend a screen resolution of 1280 x 1024 pixels or higher.



WARNING: To avoid a Browser Exploit Against SSL/TLS (BEAST) attack, whenever you log in to Junos Space through a browser tab or window, make sure that the tab or window was not previously used to access a non-HTTPS website. Best practice is to close your browser and relaunch it before logging in to Junos Space.

NOTE: The Network Monitoring Topology feature of Junos Space Platform is not supported on Internet Explorer.

To access and log in to Junos Space:

1. In the address bar of your browser window, enter **https:// *virtual-IP-address*/mainui/**, where *virtual-IP-address* is the previously configured virtual IP (VIP) address that is used for Web access to Junos Space.
2. Press Enter or click **Search**.
The Junos Space login page appears.
3. In the **Username** text box, enter your username. The default username is **super**. For information about how to change your username, consult your system administrator.
4. In the **Password** text box, enter your password. The default password is **juniper123**. For information about how to change your password, see ["Changing Your Password on Junos Space" on page 100](#).
5. (Optional) If the remote authentication server is configured for Challenge/Response, you are presented with challenge questions. Provide valid responses to the challenge questions to log in successfully. For more information, see *Remote Authentication Overview* in the *Junos Space Network Management Platform Workspaces User Guide*.
6. Click **Log In**.

The Junos Space home page appears. If the home page is not set, the Junos Space Dashboard page is displayed. If the home page is inaccessible due to role or domain restrictions, a warning message is displayed and the Junos Space Dashboard page is loaded.

NOTE: If you are a user with access to more than one domain, then an informational message about switching domains is displayed in a dialog box.

Do one of the following:

- To prevent the informational message from appearing again, ensure that the **Don't show again** check box is selected and click **OK**. The **Don't show again** check box is selected by default.
- To allow the informational message to continue appearing, clear the **Don't show again** check box and click **OK**.

NOTE: By default, Junos Space Platform authenticates a user's username and password. However, you can also use certificates to authenticate and authorize sessions among various servers and users. To configure certificate-based authentication, see *Certificate Management Overview* (in the *Junos Space Network Management Platform Workspaces User Guide*).

For more information about the Junos Space Platform UI, see "[Junos Space User Interface Overview](#)" on [page 2](#).

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Setting and Accessing the Junos Space Home Page

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By default, the Junos Space Network Management Platform Dashboard page is displayed when you log in to Junos Space. You can, however, set a different page as the *home* page. You use the **Home** icon on the Junos Space banner to set and access the Junos Space home page.

NOTE: If you are already on the home page, then the **Set as Homepage** and **Go to Homepage** actions are disabled. When you mouse over the actions, a message is displayed in a tool tip indicating that you are already on the home page.

This topic has the following sections:

Setting the Junos Space Home Page

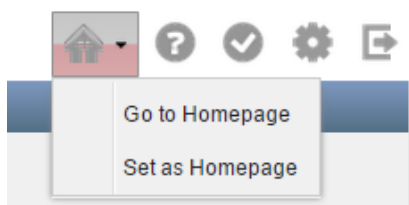
To set a page as the home page:

NOTE: For more information about which pages can be set as home pages, see ["Junos Space Home Page Overview" on page 7](#).

1. Navigate to the page that you want to set as the Junos Space home page by using the task tree in the left-hand pane of the Junos Space Platform UI.
2. Click the **Home** icon on the Junos Space banner.

A drop-down menu is displayed as shown in [Figure 2 on page 17](#)

Figure 2: Home Page Menu



3. Click **Set as Homepage**.

NOTE: The **Set as Homepage** action is enabled or disabled depending on the page that you are on. If the current page can be set as the home page, the action is enabled; otherwise, the

action is disabled and when you mouse over the **Set as Homepage** action, a message is displayed (in a tooltip) indicating that the page cannot be set as the home page.

A dialog box is displayed indicating the home page is set successfully.

4. Click **OK** to close the dialog box.

NOTE: When you are not on the home page, click the **Home** icon on the Junos Space banner and mouse over **Go to Homepage** to view the name of the current home page.

Accessing the Junos Space Home Page

To access the Junos Space home page:

NOTE: The roles that you are assigned and the domains to which you have access determine whether or not you can access the home page. If your role does not allow you access to a specific page or if a page is not accessible in a particular domain, a dialog box is displayed when you click the **Go to Homepage** action:

- If the page from which you try to access the home page is the Junos Space Dashboard page, a message indicating that you do not have permission to access the home page is displayed.
- If the page from which the you try to access the home page is *not* the Junos Space Dashboard page, a message indicating that you do not have permission to access the home page is displayed and you can choose whether to load the Junos Space Dashboard page or remain on the current page.

1. Click the **Home** icon on the Junos Space banner.

A drop-down menu is displayed as shown in [Figure 2 on page 17](#)

2. Click **Go to Homepage**.

You are taken to the configured Junos Space home page. On the navigation tree, the node corresponding to the home page is selected and subtasks, if any, are visible.

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Using the Getting Started Assistants on Junos Space

The Getting Started assistants display steps and help on how to complete common tasks, such as increasing the storage capacity. Getting Started appears in the sidebar when you log in to Junos Space only if the **Show Getting Started on Startup** check box at the bottom of the sidebar is selected. If the sidebar is not shown, you can display it by selecting the Help icon in the Junos Space banner.

The Getting Started topics are context-sensitive per application. Getting Started displays all the steps of a task. From a step in a task, you can jump to that point in the UI and complete the task.

Some applications implement the Getting Started assistants; others do not.

To use a Getting Started assistant:

1. Select an application from the **Applications** list above the task tree.
2. In the sidebar, expand **Getting Started**.

A main Getting Started topic link appears on the sidebar.

If the sidebar is not displayed, select the Help

(



) icon at the right side of the Junos Space header. The sidebar appears.

3. Select a main topic.

For example, if you are in the Network Management Platform UI, click the **Increase Space Capacity** link. A list of required steps appears in the sidebar. Each step contains a task link and a link to Help.

4. Perform the required task by clicking the task link.

You move to a point in the UI from where you can complete the task. The assistant remains visible on the sidebar to aid navigation to subsequent tasks.

5. Access help for a specific step by clicking the Help icon next to that step.

To close the Getting Started sidebar, click the double-arrow button on its top-right corner.

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Accessing Help on Junos Space

Junos Space provides a Help system that is context-sensitive per workspace. The Help system provides information about each element in the system, including workspaces, dashboards, tasks, inventory pages, and actions. Help topics appear as links on the sidebar.

To access online Help:

1. Click the workspace with which you want to work.
2. Click the Help icon at the right side of the Junos Space header.

The help icon is represented as



.

The sidebar appears, if it is not already displayed, with the Help section open listing specific topics for that workspace and tasks.

3. Click a topic link to view its contents.

The Help topic appears in a separate window.

4. Click the



icon at the top right of the sidebar to hide it.

For more information about the Junos Space Platform UI, see the ["Junos Space User Interface Overview" on page 2](#) topic.

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Understanding GUI Controls

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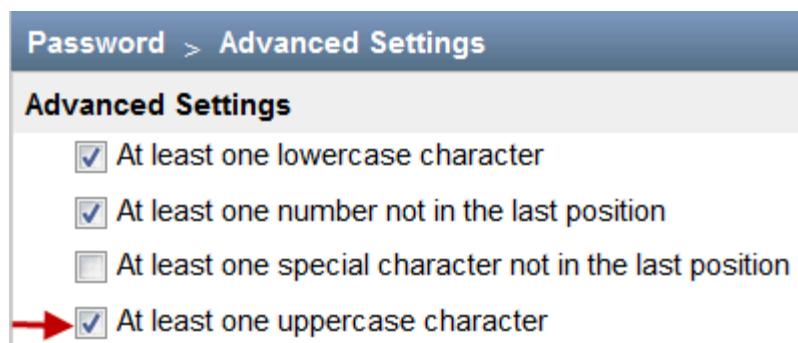
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The following sections describe the various controls that can appear on the Junos Space UI:

Check Box

You can use check boxes to select or deselect an option. For example, to ensure that there is at least one uppercase character when a user creates or modifies a password, an administrator can select the **At least one uppercase character** check box (as shown in [Figure 3 on page 21](#)) on the **Administration > Applications > Network Management Platform > Modify Application Settings** (from the Actions menu) > **Password > Advanced Settings** page. On a page, you can select one or more check boxes.

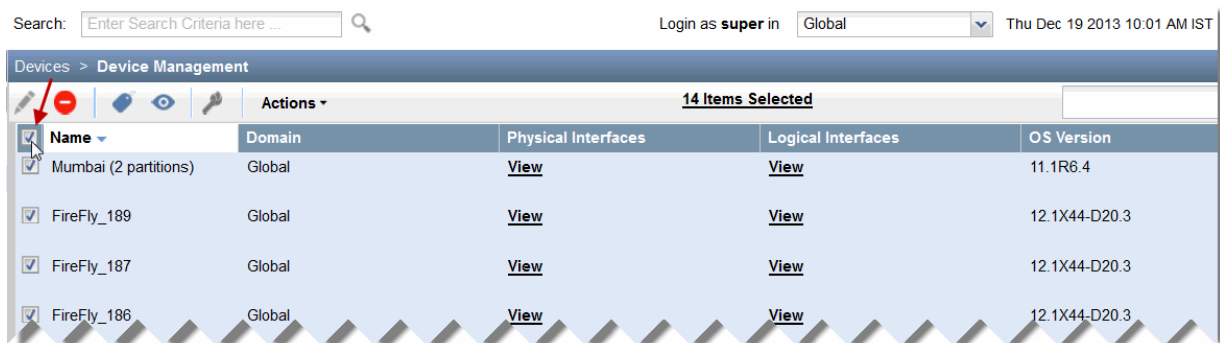
Figure 3: Check Box



Selecting All Objects on a Single Page

With Junos Space, you can select all objects on an inventory landing page by selecting the check box that is displayed adjacent to the first column header. For example, you can select the check box (see [Figure 4 on page 22](#)) adjacent to the **Name** column on the Device Management inventory landing page to select all devices displayed on this page.

Figure 4: Check Box Adjacent to the First Column Header



Search: Login as **super** in Global Thu Dec 19 2013 10:01 AM IST

Devices > Device Management

Actions ▾ **14 Items Selected**

<input checked="" type="checkbox"/> Name ▾	Domain	Physical Interfaces	Logical Interfaces	OS Version
<input checked="" type="checkbox"/> Mumbai (2 partitions)	Global	View	View	11.1R6.4
<input checked="" type="checkbox"/> FireFly_189	Global	View	View	12.1X44-D20.3
<input checked="" type="checkbox"/> FireFly_187	Global	View	View	12.1X44-D20.3
<input checked="" type="checkbox"/> FireFly_186	Global	View	View	12.1X44-D20.3

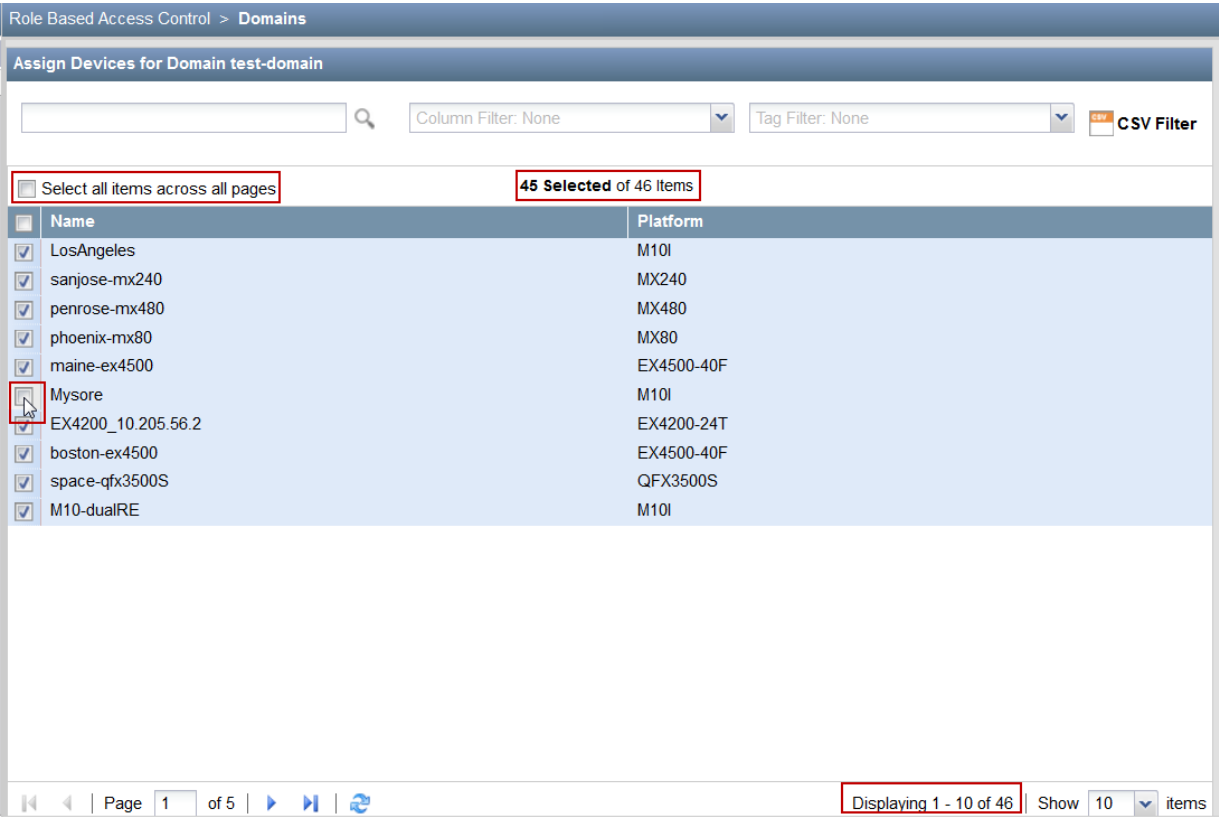
Selecting All Objects Across Multiple Pages

For certain tasks, you can select an appropriate check box in the Junos Space UI to select all objects spread across multiple pages. With this feature, you do not need to select each object individually on multiple pages.

For example, when you want to assign all devices to a domain, you can select the **Select all items across all pages** check box on the Domains page at the time of domain creation, which selects all devices

(indicated by the check mark next to the devices as shown in [Figure 5 on page 23](#)). However, after all the devices are selected, you can deselect one or more devices, if needed.

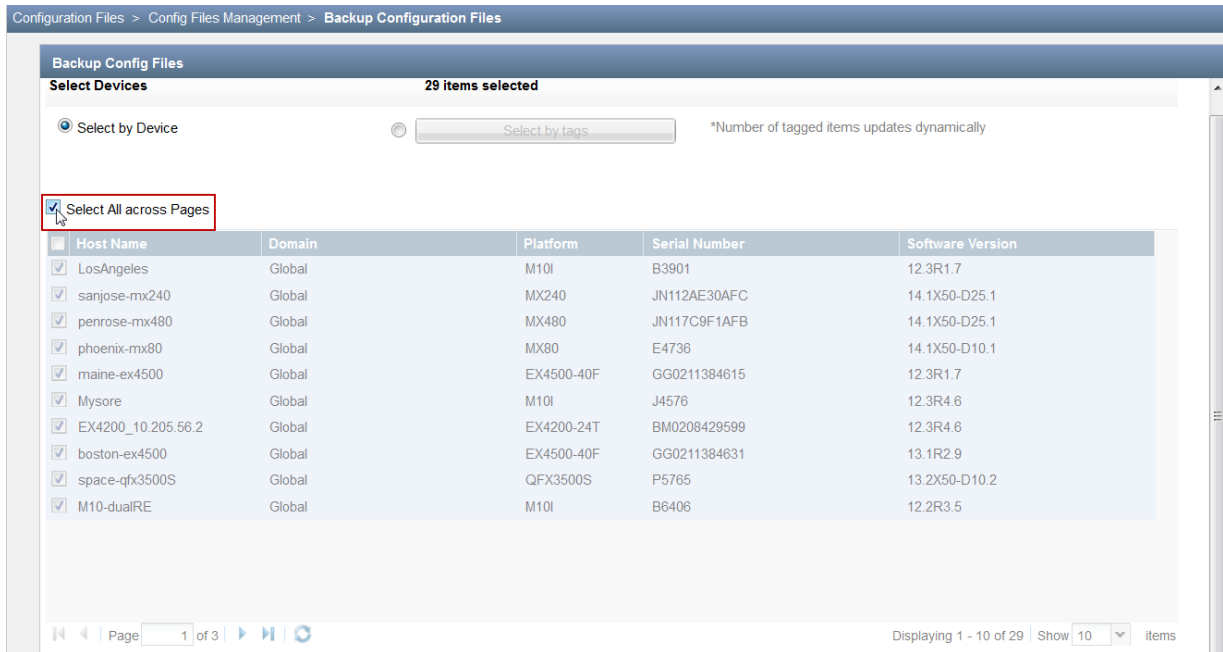
Figure 5: Check Box to Select All Objects Across Multiple Pages: Domains Page



Though some pages support selection of all objects across multiple pages, you may not be able to deselect any of these objects after the selection. For example, when you select the **Select All across Pages** check box when backing up the configuration files (on the **Configuration Files > Config Files**

Management > Backup Configuration Files page), you cannot deselect any of the selected devices (see Figure 6 on page 24). The configuration of all devices are backed up.

Figure 6: Check Box to Select All Objects Across Multiple Pages: Backup Configuration Files Page



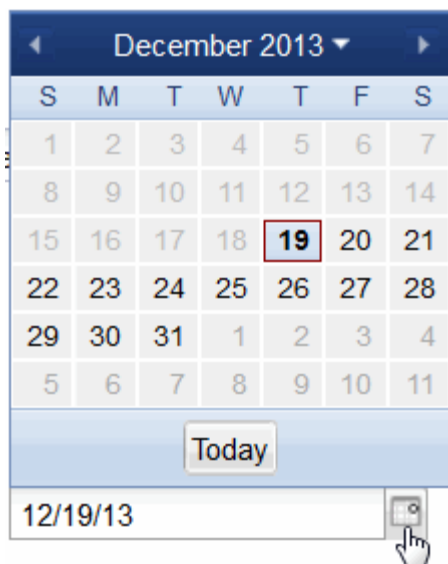
NOTE: Only certain pages in the Junos Space UI support the selection of objects across multiple pages.

Date Picker

Using a date picker, you can select a date by either typing it into a text box or by using a drop-down Calendar control.

In [Figure 7 on page 25](#), you can specify a date by typing the date in the text box or from the Calendar control by clicking the icon next to the text box. To select today's date, click **Today** on the Calendar control.

Figure 7: Date Picker



Drop-down List

With a drop-down list, you can select from a list of values (see [Figure 8 on page 26](#)). Clicking the arrow next to the list box opens the list. Junos Space also provides an editable drop-down list, which is a

combination of a drop-down list and an editable text box (see [Figure 9 on page 26](#)). You can enter the first few letters in the text box to narrow down the list of values.

Figure 8: Drop-down List

Figure 9: Editable Drop-down List

Option Button

Using an option button, you can make a single choice among a set of mutually exclusive, related options. Only one button at a time can be selected from the available options. The default option is selected (see [Figure 10 on page 26](#)).

Figure 10: Option Button

Select Devices

Search Field

Use the Search text field on the right of the inventory page banner to look for specific objects to display on the inventory landing page. To find objects (within columns) on this page, enter the search criteria in the Search field (see [Figure 11 on page 27](#)). This field supports the same search syntax as the global search field (see ["Using Global Search" on page 98](#)). For example, enter “os:junos AND down” to find devices that are down on the Device Management inventory landing page. This feature is more powerful than the column filter because it allows you to use Boolean expressions.

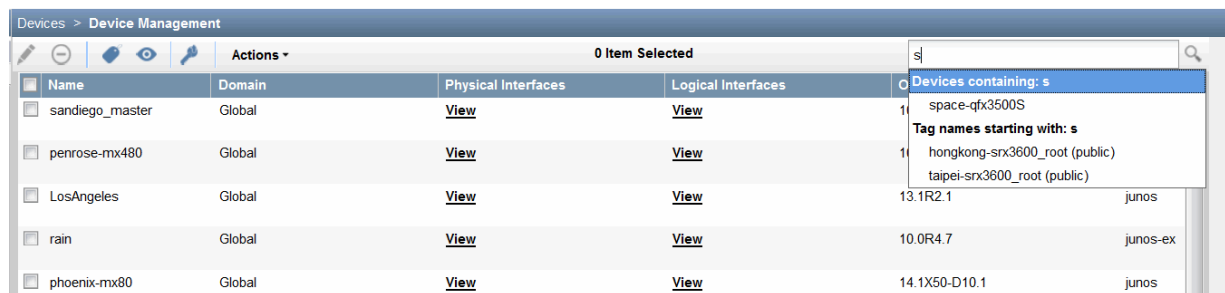
Clicking the magnifying glass at the right of the search field displays a list of objects matching the search criteria. If you press the down arrow after entering the search criteria in the search field, a list of search options is displayed. When you select a search option from the list, only those inventory items that are specific to that search option are displayed on the page.

You can create tags to categorize objects. For more information about tagging objects to select similar objects, see *Tagging an Object* (in the *Junos Space Network Management Platform Workspaces User Guide*).

To display all the inventory objects on the page again, clear the contents of the Search field and press Enter.

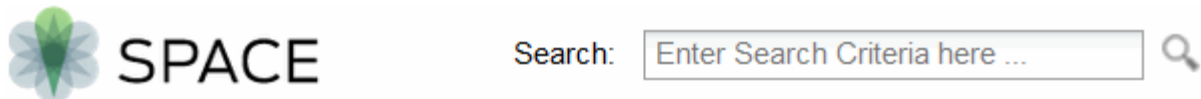
NOTE: You must append "*" if you want to search using partial keywords. Otherwise, the search might return zero matches.

Figure 11: Search Field



To search for specific objects across the entire Junos Space Network Management Platform, use the Search field on the banner at the top of the inventory page (see [Figure 12 on page 28](#)). For more information about global search, see ["Using Global Search" on page 98](#).

Figure 12: Global Search



Spin Box

A spin box is a text box with up and down arrows that you can click to change the value incrementally (see [Figure 13 on page 28](#)). You can also type a valid value in the box.

Figure 13: Spin Box

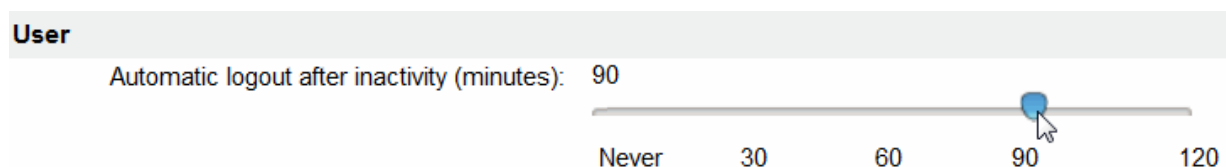


Slider

Using a slider, you can select a value from a continuous range of values by sliding the indicator along a bar. The indicator shows the current value.

In [Figure 14 on page 28](#), the automatic logout of a user due to inactivity is set to 90 minutes by using the slider control.

Figure 14: Slider



Text Box

A text box enables you to:

- Enter or edit text (for example, the **Login ID** or **Password** fields in [Figure 15 on page 30](#)).
- Upload files from your computer to the Junos Space server, such as the **Image File** or **X509 Cert File** fields in [Figure 15 on page 30](#).
- Choose a value from a drop-down list of values when you enter the first few letters in the text box (see [Figure 16 on page 31](#)).

Use the label associated with a text box to identify the purpose of a text box. You can gain additional information about some of the text boxes from the information icons that are associated with the text boxes



(



). For example, the **Temporary Password** and **Password** text boxes have information icons associated with them as shown in [Figure 15 on page 30](#). You must mouse over the information icon for Junos Space to display information about the text box with which the information icon is associated. For example, when you mouse over the information icon associated with the **Password** text box, the conditions that must be met when you enter a password are displayed.

NOTE: Not all text boxes in Junos Space have information icons associated with them.

Figure 15: Text Box


Search:  Login as **super** in Global  Tue Dec 17 2013 08:05 PM IST


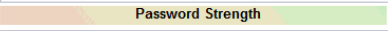
Role Based Access Control > User Accounts > **Create User**

Create user

General

Login ID:

Temporary Password: ☐ Generate a temporary password 

Password:  



Confirm Password:



First Name:

Last Name:

Email:

Maximum concurrent UI sessions: ☒ Use Global Settings

Image File:  

X509 Cert File:  

Password must:

- Be at least 6 characters in length
- Must contain at least one lowercase character
- Must contain at least one number
- Must not repeat the Login ID
- Must not reverse the Login ID
- Must not contain more than three repetitive characters
- Must not contain number as the last character

Figure 16: Text Box Displaying a Drop-down List

Apply Tag

jun

Make Public

Tag names starting with: jun

Juniper Networks Lab1 (public)

Juniper Networks Lab2 (public)

Apply Tag Cancel

Identifying the Range of Values

Usually, if there is a default value associated with a text box, then it is displayed by default on the text box. However, to determine the range of values that is accepted in a text box, perform the following steps:

- To determine the minimum value, enter a negative value (for example, -1) in the text box. An error icon appears next to the text box. Mouse over this icon to see the minimum value that is accepted in this text box (see [Figure 17 on page 31](#)).

Figure 17: Minimum Value in a Text Box

Search: Enter Search Criteria here ...

Login as **super** in Global Wed Dec 18 2013 11:33 AM IST

Administration > Applications > Modify Application Settings

Modify Network Management Platform Settings

Device

User

Password

AuditLog

Search

CLIConfiglets

Password

view/configure

Advanced Settings:

Minimum no. of characters: 6 [default]

No. of previous passwords cannot be reused: 6 [default]

No. of unsuccessful attempts before lockout: 4 [default]

Time interval for lockout in hours: -1

Time interval for password expiry in months: 3

Time interval for password expiry notification in months: 1

The minimum value for this field is 0

Save Undo

- To determine the maximum value, enter a very high value in the text box. An error icon appears next to the text box. Mouse over this icon to see the maximum value that is accepted in this text box (see [Figure 18 on page 32](#)).

Figure 18: Maximum Value in a Text Box

Search: Login as **super** in **Global** Wed Dec 18 2013 11:39 AM IST

Administration > Applications > Modify Application Settings

Modify Network Management Platform Settings

Password [Save](#) [Undo](#)

Advanced Settings: [view/configure](#)

Minimum no. of characters:	<input type="text" value="6"/>	[default]
No. of previous passwords cannot be reused:	<input type="text" value="6"/>	[default]
No. of unsuccessful attempts before logout:	<input type="text" value="4"/>	[default]
Time interval for logout in hours:	<input type="text" value="2e+30"/>	
Time interval for password expiry in months:	<input type="text" value="3"/>	
Time interval for password expiry notification in months:	<input type="text" value="1"/>	

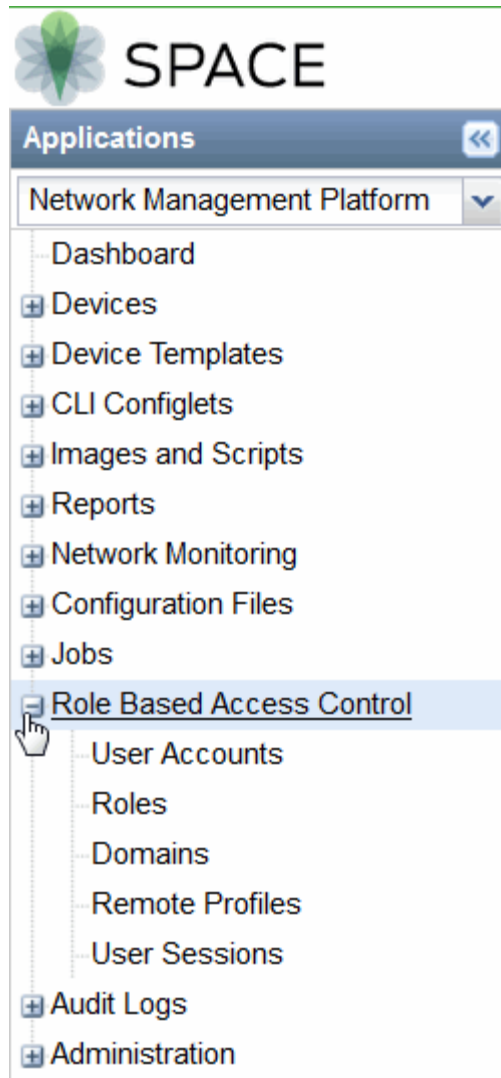
The maximum value for this field is 999

Tree View

Using the tree view, you can view and interact with a collection of Junos Space objects that are arranged hierarchically. You can select only one object from the objects that are displayed in tree view. You can

expand and collapse an object by clicking the plus and minus expander buttons respectively (see [Figure 19 on page 33](#)).

Figure 19: Tree View



Scrolling Controls

Junos Space Network Management Platform provides horizontal and vertical scroll bars on inventory landing pages, which you can use to scroll the contents of the page by clicking one of the scroll arrows, clicking an area in the scroll bar, or dragging the scroll bar. For example, to view data that is at the bottom of the Junos Space page, you can drag the vertical scroll bar toward the bottom of the page.

Figure 20 on page 34 shows the horizontal scroll bar that enables you to scroll horizontally through the Junos Space page allowing you to view data that is on the left or right.

Figure 20: Horizontal Scroll Bar



Sizing Controls

You can use the minimize, maximize, and close buttons of your browser window to hide the Junos Space application window, enlarge the window to fill the whole screen, and close the window, respectively.

NOTE: Minimize the window when you want the Junos Space application window to be temporarily out of the way instead of closing it.
Close the window when you have finished working on it and there is no need for you to return.

To resize a window (make it smaller or bigger), point to any of the window's borders or corners. When the mouse pointer changes to a double-headed arrow, drag the border or corner to shrink or enlarge the window. You cannot resize a window that is already maximized.

Figure 21 on page 34 displays the minimize, maximize, and close buttons.

Figure 21: Minimize, Maximise, and Close Buttons



RELATED DOCUMENTATION

[Junos Space User Interface Overview](#) | 2

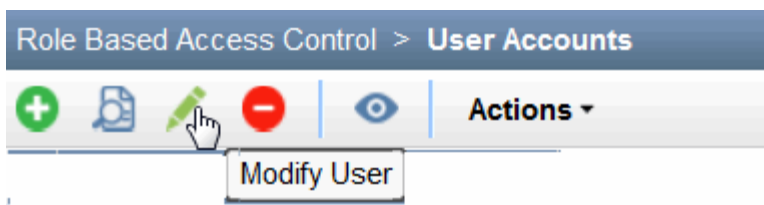
Understanding Tooltips and Messages

IN THIS SECTION

- [Error Messages | 35](#)
- [Confirmation Messages | 36](#)
- [Information Messages | 37](#)
- [Standard Icons in Messages | 38](#)

Junos Space Network Management Platform displays tooltips, which are small pop-up windows that provide information about an unlabeled control, such as the information that is displayed automatically when you mouse over an icon on a toolbar (see [Figure 22 on page 35](#)).

Figure 22: Tooltip



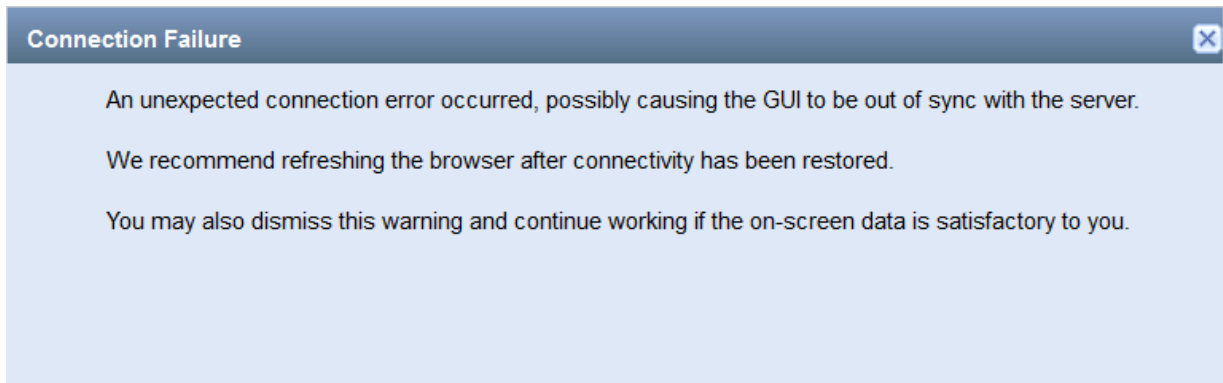
Also, Junos Space sometimes displays pop-up messages to report conditions that require your attention. Depending on the severity level, the icons that are displayed in a message differ. To gain an understanding of the various types of messages and the icons that are displayed in the Junos Space UI, see the following sections:

Error Messages

Junos Space displays an error message to alert you about a problem that has already occurred along with a recommendation, if any, to resolve the problem. For example, in [Figure 23 on page 36](#), the error

message alerts you that the Junos Space UI may be out of sync with the Junos Space server and that you need to refresh the browser window (which is likely to resolve the issue).

Figure 23: Error Message Dialog Box

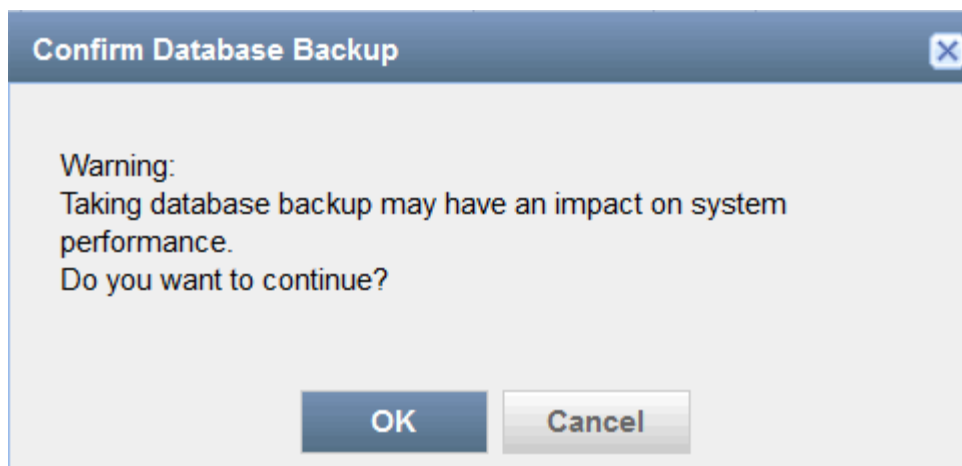


Confirmation Messages

Junos Space often displays a confirmation dialog box, which is a modal dialog box that asks you whether you want to proceed with the action that you initiated from Junos Space Network Management Platform. A confirmation dialog box typically consists of a question and two or more responses. You have to select a response and based on your choice Junos Space completes or cancels the task that you initiated. For example, when you initiate a database backup operation, you are asked to confirm whether you want to perform the backup operation because this operation may have an impact on Junos Space

performance. In [Figure 24 on page 37](#), clicking **OK** initiates the database backup operation, whereas clicking **Cancel** closes the current page.

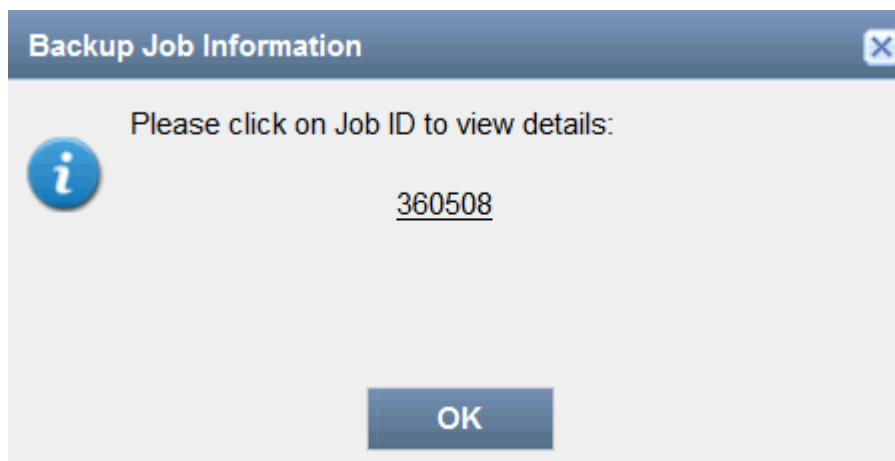
Figure 24: Confirmation Dialog Box



Information Messages

An information message communicates some sort of information to you pertaining to your current activity and appears in a modal dialog box. For example, when you choose to proceed with the database backup operation, Junos Space displays an information message containing a job ID, which you can click to know whether the backup operation is a success or a failure (see [Figure 25 on page 37](#)).

Figure 25: Information Dialog Box



Standard Icons in Messages

Icons that are associated with various messages help you assess the situation at a glance and decide what action to take. If the severity level of the message is high, which is usually indicated by the Error icon, revisit the past action and make suitable corrections (for example, enter missing information in a mandatory field) before you proceed to the next step.

NOTE: Not all messages that are displayed in Junos Space are associated with icons.

Table 4: Standard Junos Space Message Icons



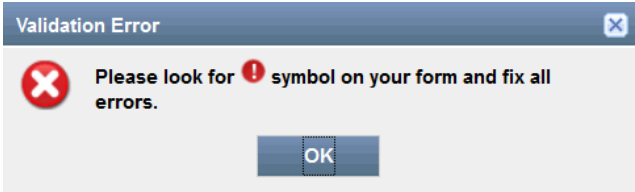
Icon	Description	Message with the Icon
	Error icon—Indicates that an error or problem has occurred, which should be resolved before you proceed	<p>For example, the following error message is displayed if you try to create a tag without a tag name or a user without a username. Providing appropriate information in all fields where the</p> <div></div> <p>icon appears usually resolves this type of error.</p> <p>Figure 26: Message with the Error Icon</p> <div></div>

Table 4: Standard Junos Space Message Icons (Continued)





Icon	Description	Message with the Icon
<ul style="list-style-type: none">	<p>Warning icon—Indicates a condition that might cause a problem in the future</p> <p>These icons come in two different sizes: larger and smaller. A smaller warning icon indicates that you might have to think twice before you proceed with the action. A larger warning icon indicates that the action you initiated cannot be performed because of various constraints.</p>	<p>For example, the following error is displayed when you try to delete an SMTP server that is active:</p> <p>Figure 27: Message with the Larger Warning Icon</p>  <p>The following message is a warning that you may not be able to retrieve the tags if you confirm the deletion.</p> <p>Figure 28: Message with the Smaller Warning Icon</p> 

Table 4: Standard Junos Space Message Icons (Continued)


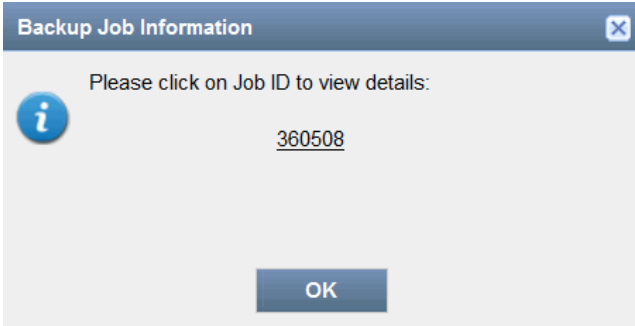

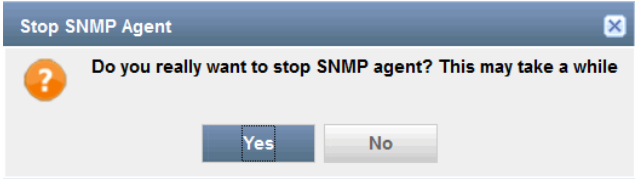

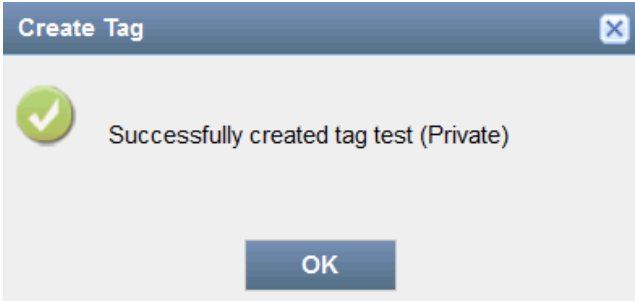
Icon	Description	Message with the Icon
	Information icon—Presents you with useful information.	<p>The following message indicates that a backup operation is triggered:</p> <p>Figure 29: Message with the Information Icon</p> 
	Question mark icon—Normal confirmation message to which you typically respond with a "Yes" or "No"	<p>Depending on your response to the following message, Junos Space performs a suitable action.</p> <p>Figure 30: Message with the Question Mark Icon</p> 

Table 4: Standard Junos Space Message Icons (Continued)

Icon	Description	Message with the Icon
	Check mark icon—Indicates that the action you initiated is a success	<p>The following message indicates that a private tag with the name “test” is successfully created:</p> <p>Figure 31: Message with the Check Mark Icon</p> 

RELATED DOCUMENTATION

[Junos Space User Interface Overview | 2](#)

Understanding Status Indicators

IN THIS SECTION

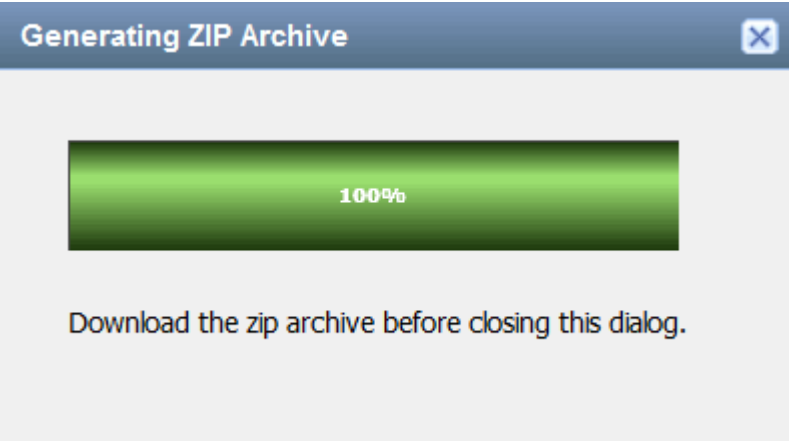
- [Progress Bars | 42](#)
- [Status Indicator Icons | 42](#)

Junos Space Network Management Platform status indicators enable you to monitor the status of an action that you initiated from Junos Space. The following status indicators in Junos Space are the most common:

Progress Bars

The progress bar shows you the progress of an action that you initiated from Junos Space. In Junos Space, progress bars are typically displayed when you export files from Junos Space to your computer, add an application to Junos Space, and so on. For example, when you export a configuration file, Junos Space displays the progress of the export action in a dialog box (see [Figure 32 on page 42](#)). When the action is completed, the progress bar displays 100%.

Figure 32: Progress Bar



Status Indicator Icons

Status indicator icons on an inventory landing page indicate the status of a Junos Space object, such as whether a user is in the enabled or disabled state. Status indicators are not displayed for all Junos Space objects.

Status indicators that are displayed for users are listed in [Table 5 on page 42](#):

Table 5: User Status Indicators






User Status Indicator	Description
	User is in enabled state.

Table 5: User Status Indicators (Continued)

User Status Indicator	Description
	<p>User is in disabled state.</p> <p>Users in disabled state cannot log in to Junos Space Network Management Platform. For more information about enabling or disabling a user, see <i>Disabling and Enabling Users</i> (in the <i>Junos Space Network Management Platform Workspaces User Guide</i>).</p>



Status indicators that are displayed for devices are listed in [Table 6 on page 43](#):




Table 6: Device Status Indicators

Device Status Indicator	Description
	Device is up.
	<p>Device is down.</p> <p>Ensure that the status of the device is up before initiating any action on the device. Actions initiated on devices that are down are likely to fail.</p>
	Device is in synchronized state.

Each job has a job status indicator. [Table 7 on page 43](#) describes these indicators.

Table 7: Job Icon Status Indicators

Job Status Indicator	Description
	The job was completed successfully.
	The job failed.

	The job was canceled by a user.
	The job is scheduled.
	The job is in progress. You can cancel only those jobs that are in progress from the Actions menu.

RELATED DOCUMENTATION

| [Junos Space User Interface Overview](#) | 2

Viewing the Junos Space Platform Dashboard

When you log in to Junos Space Network Management Platform, the home page is displayed. By default, the home page for Junos Space Platform is the Dashboard page. However, if you previously configured a different page as the home page, then the configured home page is displayed when you log in.

The Junos Space Platform dashboard, as shown in [Figure 33 on page 45](#), displays graphs that provide information about the overall system condition, the fabric load history, the active users history, and the percentage of jobs in different states. The charts are visible to all users and are updated in real time.

NOTE: If you do not have user privileges to view detailed data, you might not be able to view detailed information if you select a gadget.

Figure 33: Junos Space Platform Dashboard Page



To access the Junos Space Dashboard page:

1. On the Junos Space Platform UI, select **Dashboard**.

The Dashboard page is displayed.

2. (Optional) To view more information related to the overall system condition, click **Overall System Condition** or the indicator needle.

You are taken to the Fabric page, where you can view detailed information about the nodes in the fabric. For more information, see *Viewing Nodes in the Fabric*.

3. (Optional) To view information related to the fabric load, on the **Fabric Load History** graph:

- Mouse over a graph data point to view the average CPU usage percentage.
- Click the blue line depicting the CPU usage to view detailed information.

You are taken to the Fabric page, where you can view detailed information about the CPU, memory, and disk usage for the nodes in the fabric.

4. (Optional) To view information related to the active users, on the **Active Users History** graph:

- Mouse over a graph data point to view the total number of active users at that point.
- Click a data point on the graph to view more information about the active users at that point.

You are taken to the User Accounts page, where the active users are displayed. For more information, see *Viewing User Statistics*.

5. (Optional) To view information related to the jobs, on the **Job Information** graph:

- Mouse over a segment in the pie chart to view the percentage of jobs with a particular status; for example, cancelled jobs, successful jobs, or failed jobs.
- Click a segment of the pie chart to view details of jobs with status corresponding to the segment.

You are taken to the Job Management page, where the jobs filtered by the status are displayed.

For more information, see *Viewing Jobs*.

6. (Optional) You can view records about the health and performance of the Junos Space nodes in your Junos Space setup and the processes on these nodes in a system health report. The health and performance data collected from the nodes is displayed in the System Health Report table. For more information, see *Viewing the Administration Statistics*.
7. (Optional) You can move any chart displayed on the Dashboard page by clicking inside the title bar and dragging the chart.
8. (Optional) You can resize any chart displayed on the Dashboard page by hovering over an edge and clicking and dragging the edge.

RELATED DOCUMENTATION

Junos Space Platform Workspaces Overview

Overall System Condition and Fabric Load History Overview

Workspace Statistics Page Overview

IN THIS SECTION

- [Workspace Statistics | 47](#)

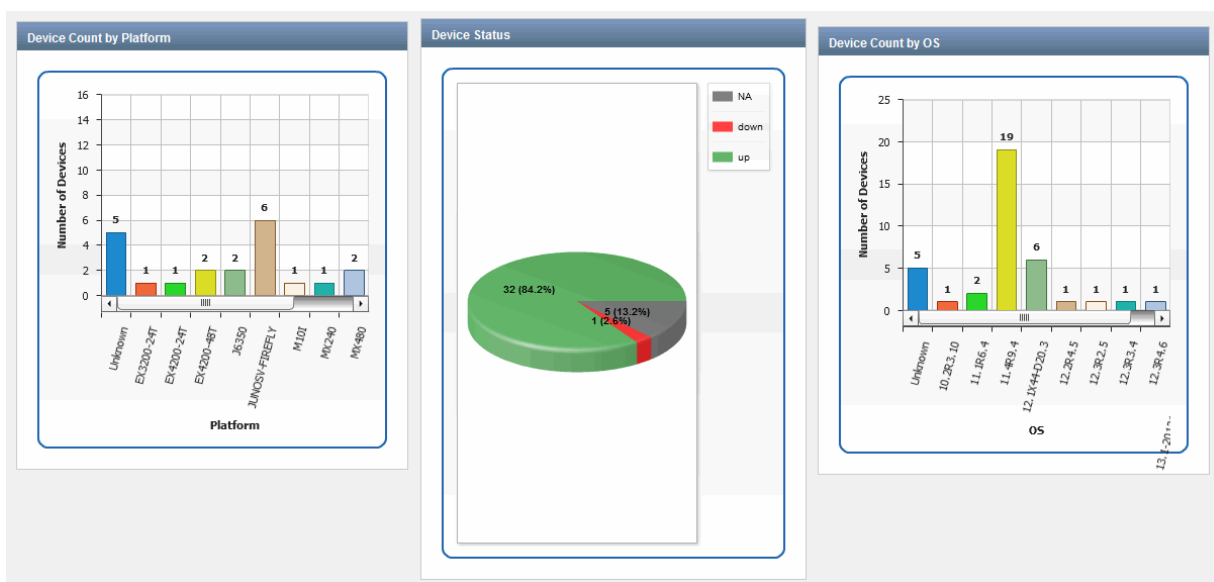
Use the task tree on the left side of the page to navigate application workspaces and perform tasks within a workspace. When you select an application from the **Applications** list (at the top left of the Junos Space UI), all the workspaces for the selected application are displayed in the task tree.

If you know the workspace in which you want to perform an action (task), select the workspace from the task tree on the left side of the page. The right side of the page displays information about the selected workspace and its objects.

Workspace Statistics

When you select the name of a workspace from the task tree, Junos Space Network Management Platform displays high-level statistics representing the status of managed objects in that workspace. The statistics and charts displayed for different workspaces are different. [Figure 34 on page 47](#) shows the charts displayed on the Devices workspace statistics page.

Figure 34: Workspace Statistics Pages



If a chart has more data points than can be viewed clearly simultaneously, a scroll bar appears at the bottom or side of the chart.

If you click a bar or pie-chart segment, you navigate to the corresponding inventory page, filtered according to the bar or segment you selected. For example, if you click the MX240 devices bar on the Device Count by Platform bar chart, you navigate to the Devices > Device Management inventory page, which in this case displays all the MX240 devices on the network that are discovered and managed by Junos Space Network Management Platform.

You can move the charts and graphs on the page or resize them.

You can also print or save the statistics by right-clicking the graphic (bar chart or pie chart) and selecting the appropriate option.

RELATED DOCUMENTATION

Inventory Landing Page Overview

IN THIS SECTION

- [Organizing Your View | 49](#)
- [Working with Objects on an Inventory Page | 53](#)
- [Exporting Data | 54](#)

In the Junos Space Network Management Platform UI, you navigate to an inventory page by selecting an application, expanding an application workspace, then selecting a management task. For example, to view the Device Management inventory page, select **Devices > Device Management**.

The inventory pages display information related to managed objects for a particular task group or task in tabular format. The fields that are displayed are different for different inventory pages, depending on the task group that you selected.

For each managed object, specific data associated with it is stored in the Junos Space Platform database. For example, in the case of devices, device name, interfaces, OS version, platform, IP address, connection, managed status, and so on are stored.

Inventory pages enable you to view and manipulate managed objects individually or collectively. Managed objects include devices, logs, users, jobs, clients, software, licenses, and so on. You can organize your view to display only those objects that you want to see, in the way that you want to see them.

You can select an object or objects by selecting the check box to the left of each object on the inventory page. You can select one, several, or all objects and perform actions on them using the shortcut menu or the Actions menu. Selecting the check box to the left in the first column of the column header row selects or deselects all items. The objects that you select and on which you perform an action remain selected.

NOTE: The function and implementation of individual inventory pages depends on the Junos Space Platform application design.

Organizing Your View

Before you start working on data that is displayed on various inventory landing pages (ILPs), it would be best to organize your view on the ILP so that Junos Space presents you with only the information that you need. The following sections provide information about how you can organize your view.

Paging Controls






Figure 35 on page 49 shows the paging controls that appear at the bottom of the inventory page. You can use these controls to browse the inventory when the inventory is too large to fit on one page.

Figure 35: Page Information Bar



The **Page** box lets you jump to a specific page of the inventory. Type the page number in the **Page** box and press **Enter** to jump to that page. The **Show** box enables you to customize the number of objects displayed per page. Table 8 on page 49 describes other table controls.

Table 8: Table Paging and Refreshing Controls

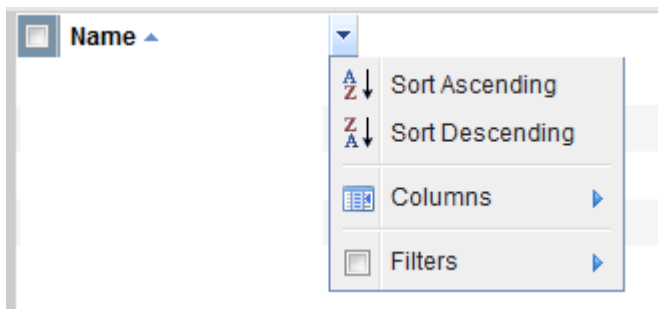
Page Control	Operation
	Advances to the next page of the table
	Returns to the previous page of the table
	Displays the last page of the table
	Displays the first page of the table
	Refreshes the table content

Sorted-by Indicator

The sorted-by indicator is a small arrowhead next to a column name. It displays how the objects are sorted in a column. When you sort a column, the column name is highlighted and the indicator appears.

You can sort inventory data using the **Sort Ascending** and **Sort Descending** commands on the column header drop-down menu. Click the down arrow on a table header to view the menu. In [Figure 36 on page 50](#), the device inventory is sorted by the Name column.

Figure 36: Sorting Tables

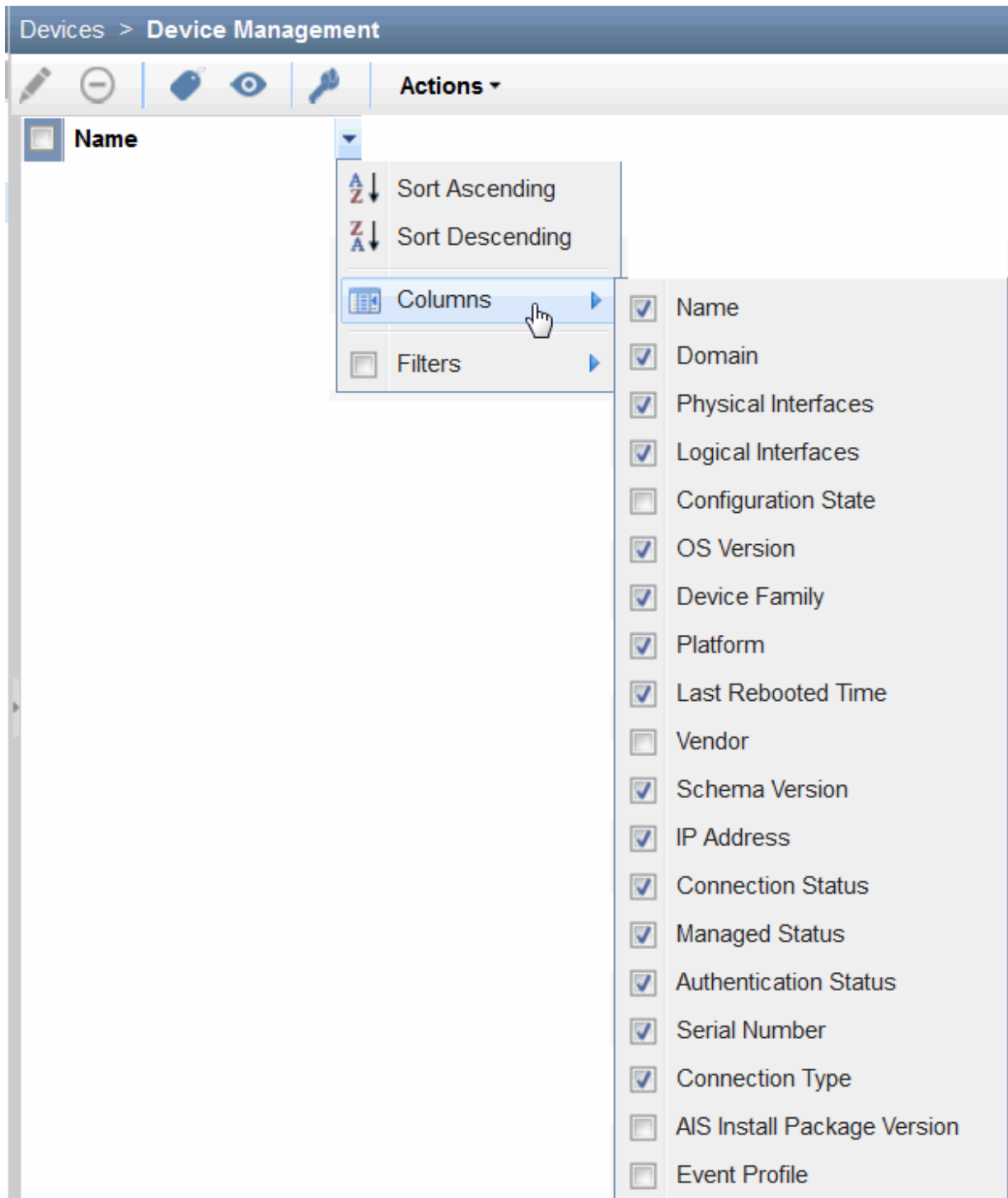


Some columns do not support sorting.

Show or Hide Columns

You can show or hide columns on the inventory page by selecting or not selecting the column name on the Columns cascading menu, as shown in [Figure 37 on page 52](#). All column header drop-down menus have this option. Only the columns that are selected appear in the inventory table.

Figure 37: Showing or Hiding Columns in Tables



Filter Submenus

For information about filtering options in Junos Space Platform Release 17.2R1 and later, see ["Filter Management in Junos Space Platform User Interface" on page 56](#).

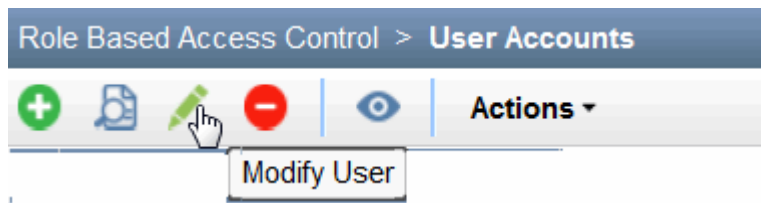
Working with Objects on an Inventory Page

To initiate an action on the objects that are available on an inventory page, you can use:

Toolbar Icons

Almost all inventory landing pages provide a toolbar containing icons that provide easy access to frequently used tasks. While some icons are common across inventory landing pages such as the **Display Quick View** icon (which displays a small window summarizing data about the selected object), most icons are specific to an inventory landing page. For example, in [Figure 38 on page 53](#), the Modify User icon is specific to the User Accounts inventory landing page.

Figure 38: Toolbar Icons



Actions Menu and Shortcut Menu

You can perform actions on one or more selected items on an inventory page by using the Actions menu, or by right-clicking the items to invoke the shortcut menu. To use the Actions menu, select one or more objects, select an action or subgroup of actions from the Actions menu. (Note that the subgroup has an arrowhead next to its name.) For example, to view the physical interfaces of a device, select that device on the **Device Management** inventory page, open the Actions menu, expand the **Device Inventory** subgroup, and select **View Physical Inventory**.

You can also select one or more items on the inventory page, then right-click. The shortcut menu appears and you can select an action or subgroup of actions.

NOTE: If you are using Mozilla Firefox earlier versions, the Advanced JavaScript Settings might disable the shortcut menu.

To ensure that you can use the shortcut menu:

1. In Mozilla Firefox, select **Tools > Options** to display the Options dialog box.
2. In the Options dialog box, click the **Content** tab.
3. Click **Advanced** to display the Advanced JavaScript Settings dialog box.
4. Select the **Disable or replace context menus** option.
5. Click **OK** in the Advanced JavaScript Settings dialog box.
6. Click **OK** in the Options dialog box.

If you are using newer versions of Mozilla Firefox, it may not be necessary to perform the preceding steps. By default, you need not change any of the Firefox settings. But, if you have changed the settings or for some reason the shortcut menus do not appear properly, then you need to perform the following steps in the recent versions:

1. **Disable or replace context menus**—Deselect this option to prevent webpages from disabling or changing the Firefox shortcut menu.
2. In **about:config(URL): dom.event.contextmenu.enabled**, set it to false to block sites. The default value is true.

Exporting Data

You can export data that is displayed on certain inventory landing pages such as the MD5 Validation Result inventory page (in the Images workspace) as well as export job details pertaining to certain tasks initiated from Junos Space Platform. For example, you can export job details related to device discovery, staging and deployment of device images, and so on.

NOTE: Not all jobs in Junos Space support the export of job details.

The data is exported as a comma-separated file (CSV) to your computer, allowing you to process the data offline. For example, you can use this data to identify devices on which staging or deployment of an image failed.

To export the data that is displayed on the MD5 Validation Result page as a CSV file:

1. On the Junos Space Platform UI, select **Images and Scripts > Images**.

The Images page displays the list of device images.

2. Select a device image.
3. Select **MD5 Validation Result** from the Actions menu.

The MD5 Validation Result page displays the results of verification tasks.

4. Click **Export to CSV** from the Actions menu.

You are prompted to save the file.

5. Click **OK** on the File Save dialog box to save the file to your local file system.
6. After you save the file, to return to the MD5 Validation Result page, click the [X] icon on the **Exporting Validation Results** dialog box to close it.

Navigate to the location where you saved the file and open the file by using an application such as Microsoft Excel. If you are opening this file as an Excel workbook, then filter the data for the **Failed** status in the **Checksum Result** column to identify devices in which the images are not staged completely. From the filtered data, see the **Device Image Name** column to obtain information about the images that are not staged completely.

To export the image deployment job details as a CSV file:

1. On the Junos Space Platform UI, select **Jobs > Job Management**.
2. Double-click the image deployment job whose details you want to export as a CSV file.
3. Click **Export as CSV**.

You are prompted to save the file.

4. Click **OK** on the File Save dialog box to save the file to your local file system.
5. To return to the Job Management page, click **OK** on the **Exporting Device Image Job** dialog box.

Use an application such as Microsoft Excel to open the downloaded file from your computer. If you are using Microsoft Excel, you can filter data in the **Status** column to identify the devices on which the deployment of images failed.

RELATED DOCUMENTATION

Filter Management in Junos Space Platform User Interface

IN THIS SECTION

- [Understanding Filtering Options in Junos Space Platform User Interface | 56](#)
- [Managing Filtering Options | 71](#)
- [Error Conditions and Error Messages for Filters | 79](#)

This section contains the following topics:

Understanding Filtering Options in Junos Space Platform User Interface

IN THIS SECTION

- [Overview | 56](#)
- [Benefits | 58](#)
- [Pages and Columns that Support Filtering | 58](#)

This topic contains the following sections:

Overview

On various Junos Space Platform pages, you can use the **Filter** menu to show or hide table entries based on the filtering criteria that you specify. Filters enable you to quickly find and evaluate the entries that are relevant to your specific needs.

Many of the columns in Junos Space page tables support filtering. To know whether or not a column supports filtering of data, click the down arrow next to the column name. If the **Filter** submenu appears,

then that column supports filtering of data. The filtering criteria that are available for you depend on the selected column. You can create filters that combine criteria from more than one column.

From Release 17.2R1 onward, Junos Space Platform introduces the following enhancements to filtering options:

- Ability to save, modify, and delete filters
- Ability to share saved filters with other users
- Ability to mark filters as favorites
- Ability to manually enter filter conditions with autocomplete and suggestion support.

For a list of pages and columns that support filtering, see ["Pages and Columns that Support Filtering" on page 58](#).

In releases earlier than 17.2R1, Junos Space Platform supports only basic filtering. In those releases, you can specify only one set of filter criteria at a time, and the filter setting is lost when you modify the criteria. From Junos Space Platform Release 17.2R1 onward, you can save multiple filters. You can also mark up to 10 filters as favorites in each of the pages that support enhanced filtering.

The Filter menu that appears when you click the filter icon lists up to 10 filters. The 10 filters that are listed in the Filter menu are arranged in the following order of filter categories: favorite filters, public filters, and private filters. If there are more than 10 filters, those filters are listed under the More Filters submenu.

NOTE: The **More Filters** submenu is not displayed if you have not saved any filter. However, the **More Filters** submenu appears even if you have saved only one filter.

If you have Filter Management permissions to create or modify filters, you can also choose to share the saved filters with other users by marking the filters as public.

For more information about creating, saving, modifying, and deleting filters, see ["Managing Filtering Options" on page 71](#).

From Junos Space Platform Release 17.2R1, you can also manually enter filter criteria in the filter text box that appears when you click the **Show/ Clear and Hide Filters** option from the Filter menu. For more information about manually specifying filter criteria, see ["Creating Filters by Manually Entering the Filter Criteria" on page 56](#).

Benefits

Filters enable you to quickly find and evaluate the entries that are relevant to your specific needs. Ability to save and share filters enables you to configure multiple filters for a page that can be preserved across sessions and shared with multiple users.

Pages and Columns that Support Filtering

This section contains the following topics:

Pages and Columns that Support Enhanced Filtering

The following table lists the pages and columns that support enhanced filtering and also the data types for each of the columns:

Page	Column	Data Type
Device Management	Name	String
	Device Alias	String
	IP Address	Number
	Serial Number	String
	Connection Status	List
	Managed Status	List
	Platform	String
	OS Version	String
	Domain	String
	Device Family	String

(Continued)

Page	Column	Data Type
	Configuration State	List
	Last Rebooted Time	Date
	Vendor	String
	Authentication Status	String
	Aggregation Device	String
	Satellite Devices	String
	Device Network	List
View Physical Interfaces	Physical Interface Name	String
	IP Address	String
	IPv6 Address	String
	MAC Address	String
	Operational Status	List
	Admin Status	List
	Link Level Type	String
	Link Type	String

(Continued)

Page	Column	Data Type
	Speed	String
	MTU	String
	Description	String
	Domain	String
View Logical Interfaces	Interface Name	String
	IP Address	String
	IPv6 Address	String
	Description	String
	Domain	String
Device Discovery Profiles	Profile Name	String
	Target Type	List
	Target Details	String
	Profile Visibility	List
	Job ID	Number
Model Devices	Name	String

(Continued)

Page	Column	Data Type
	Description	String
	Devices Count	Number
Device Adapter	Name	String
	Device Family	String
	Version	String
	Adapter State	List
Template Definitions	Name	String
	Domain	String
	Description	String
	Last Modified By	String
Templates	Name	String
	Domain	String
	Template Type	List
	Latest Version	String
	Description	String

(Continued)

Page	Column	Data Type
	Last Modified By	String
	Deployment Status	List
Configlets	Name	String
	Domain	String
	Category	String
	Device Family Series	List
	Latest Version	String
	Git Version	String
	Git Branch	String
	Execution Type	List
	Creation Time	Date
	Last Updated Time	Date
	Last Modified By	String
	Reference Number	Number
Configuration View	Name	String

(Continued)

Page	Column	Data Type
	Domain	String
	Title	String
	Device Family Series	List
	View Type	List
	Creation Time	Date
	Last Updated Time	Date
	Last Modified By	String
Configuration Filter	Name	String
	Domain	String
	Device Family Series	List
Xpath and Regex	Name	String
	Domain	String
	Value	String
	Property Type	List
	Creation Time	Date

(Continued)

Page	Column	Data Type
	Last Updated Time	Date
	Last Modified By	String
Images	File Name	String
	Domain	String
	Version	String
	Type	List
Scripts	Script Name	String
	Domain	String
	Descriptive Name	String
	Type	List
	Category	String
	Execution Type	String
	Format	List
	Latest Revision	String
	Git Version	String

(Continued)

Page	Column	Data Type
	Git Branch	String
Operations	Operation Name	String
	Domain	String
	Description	String
	Creation Time	Date
	Last Updated Time	Date
Script Bundles	Script Bundle Name	String
	Domain	String
Config Files Management	Config File Name	String
	Device Name	String
	Device Alias	String
	Latest ConfigFile Version	String
	Creation Date	Date
	Last Updated Date	Date
Job Management	ID	Number

(Continued)

Page	Column	Data Type
	Domain	String
	Name	String
	Percent	Number
	State	List
	Job Type	String
	Parameters	String
	Summary	String
	Scheduled Start Time	Date
	Actual Start Time	Date
	End Time	Date
	Owner	String
	Retry Group Id	Number
	Previous Retry	Number
User Accounts	User Name	String
	First Name	String

(Continued)

Page	Column	Data Type
	Last Name	String
	Email	String
	User Type	List
	Status	List
	GUI/API Access	List
	Locked Out	List
Roles	Role Title	String
	Type	List
	Description	String
User Sessions	User Name	String
	IP Address	String
	Fabric Node Name	String
	Session Start Time	Date
Audit Log	ID	Number
	User Name	String

(Continued)

Page	Column	Data Type
	User IP	String
	Domain	String
	Application	String
	Task	String
	Timestamp	Date
	Result	String
	Description	String
	Job ID	Number
Fabric	Last Monitored Time	Date
	Last Boot Time	Date
Audit Log Forwarding	Name	String
	Description	String
	Server Address	String
	Port	Number
	Protocol	List

(Continued)

Page	Column	Data Type
	Last Updated User	String
	Last Updated Time	Date
	Enabled	List
Tags	Name	String
	Owner	String
	Description	String
	Access Type	List
Report Definitions	Name	String
	Domain	String
	Created By	String
	Created Time	Date
	Description	String
Generated Reports	Name	String
	Generated Time	Date
	Domain	String

(Continued)

Page	Column	Data Type
	Description	String
	Definition Name	String
	Generated By	String
	Format	String
	Job ID	Number

Pages That Support Basic Filtering

Junos Space Platform supports basic filtering options on the following pages:

- Role Based Access Control > Domains
- Administration > CA/CRL Certificates
- Administration > SMTP Servers
- Administration > DMI Schemas

NOTE: Filtering is supported only for the State and Schema Installed columns.

SEE ALSO

[Managing Filtering Options | 71](#)

[Error Conditions and Error Messages for Filters | 79](#)

Managing Filtering Options

IN THIS SECTION

- [Creating Filters by Manually Entering the Filter Criteria | 71](#)
- [Creating Filters by Using the Filter Submenu Options | 73](#)
- [Saving a Filter | 75](#)
- [Modifying a Filter | 76](#)
- [Creating a Public Filter | 77](#)
- [Applying a Filter | 77](#)
- [Clearing a Filter | 78](#)
- [Deleting a Filter | 78](#)

From Junos Space Platform 17.2R1 onward, you can save filters, modify the saved filters, and delete the filters. You can also mark the filters as public or favorites or both. The following sections explain the various filter management tasks that you can perform from the Junos Space Platform user interface (UI):

Creating Filters by Manually Entering the Filter Criteria

From Junos Space Platform Release 17.2R1 onward, you can manually enter the filtering criteria to create the filters that meet your specific requirements.

To manually enter filtering criteria:

1. From any of the pages that support Filter Management options, click the **Filter** icon.

The Filter menu appears.

2. Click **Show/ Clear and Hide Filters** on the Filter menu.

The Filter field appears.

3. Click inside the **Filter** field.

A list showing the names of columns that support filtering and the following two options appears:

- An opening parenthesis [(] symbol. The bracket enables you to group conditions. A closing parenthesis [)] symbol appears in the list after you specify a condition if you used an opening parenthesis before specifying the condition.
- **Not.** The Not option enables you to specify conditions based on which you want to filter out entries.

4. From the list, select the columns for which you want to specify the filter conditions and specify the conditions by using any of the operators supported for the specified column. Table 1 lists various operators that you can use for each of the data types supported for filtering.

You can specify multiple conditions by using an AND or an OR operator. The Filter field supports autocomplete and provides suggestions for column names, attributes, and operators even as you type inside the field.

NOTE: If the values you enter for any of the parameters contain spaces, enclose such values in single quotation marks. For example, Domain Contains 'test domain'. However, if the single quotation mark is part of the search string, use the backslash escape character (\) before the quotation mark. For example: Domain Contains '\\'test domain\\'.

Table 9: Data Types and Supported Operators

Data Type	Supported Operators
String (Other than Domain Column)	Starts-with
	Ends- with
	Contains
	=
	!=
String (Domain Column only)	Contains
	Not-contains
Numbers or Date	=
	!=
	>

Table 9: Data Types and Supported Operators (*Continued*)

Data Type	Supported Operators
	<
	<=
	>=
List	=
	!=

The following examples show samples of manually entered filter criteria:

- ID > 2000000 AND 'Job Type' ends-with 'elements' AND Parameters contains '10.1.1.1' OR Parameters = 192.168.27.72 AND Owner = SUPER

This filter on the Job page displays jobs that meet the following criteria: The job ID is a number greater than 2000000, the job type ends with the text elements, the Parameter field contains 10.1.1.1 or 192.168.27.72, and the owner is the superuser.

- ('Connection Status' = 'down') AND ('Managed Status' = 'In Sync' OR 'Managed Status' = Synchronizing) AND 'Device Family' starts-with 'junos'

This filter on the Device page displays devices that have the connection status set to down, the managed status set to in sync or synchronizing, and device family name starts with Junos.,

5. After you enter the conditions, you can save or apply the filter. To save the filter, click the **Save Filter** icon and complete the steps as explained in ["Saving a Filter" on page 75](#). To apply the filter without saving, click the **Apply Filter** icon. For more information about applying filters, see ["Applying a Filter" on page 77](#).

To clear the filter conditions you entered or the filter that you applied, click the **Clear Filter** icon. Alternatively, you can click the **Clear and Hide** icon to clear the filters and hide the filter bar.

For a list of error messages, see ["Error Conditions and Error Messages for Filters" on page 79](#).

Creating Filters by Using the Filter Submenu Options

Many of the columns in Junos Space user interface tables support filtering. To know whether or not a column supports filtering of data, click the down arrow next to the column name. If the **Filter** submenu

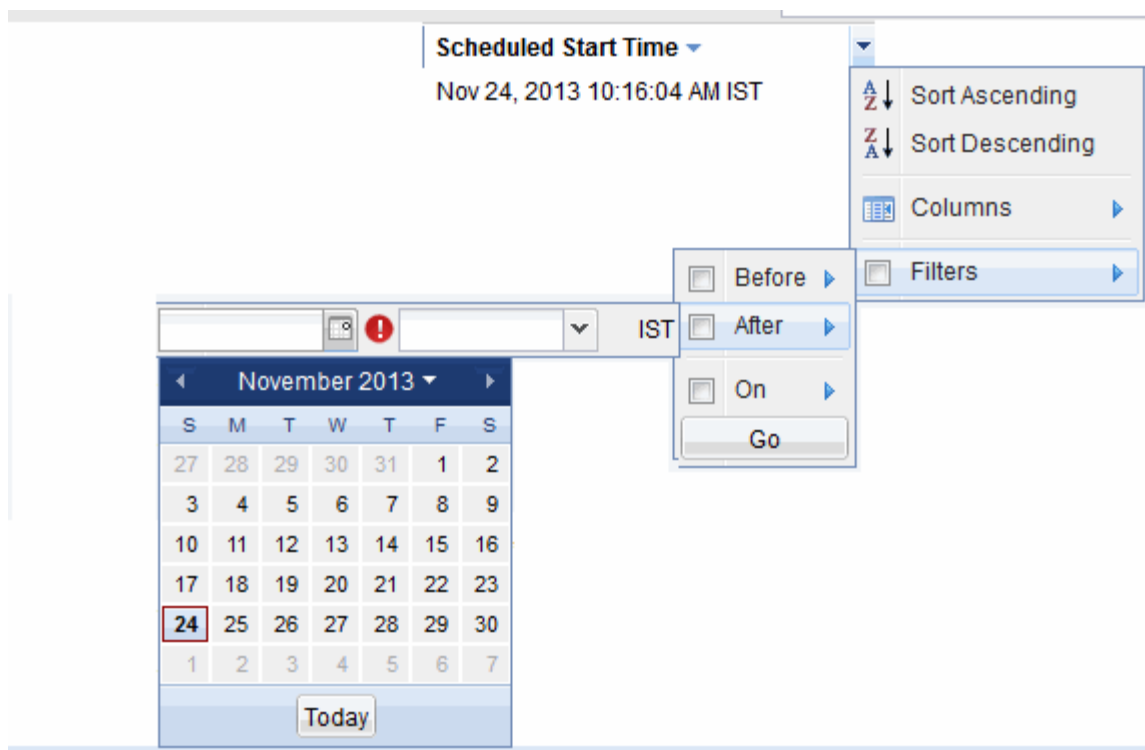
appears, then that column supports filtering of data. The criteria that are available for you to filter on depend on the selected column. You can create filters that combine criteria from more than one column.

On Junos Space pages that support enhanced filtering options, the Filter field and the **Save Filter**, **Apply Filter**, and **Clear Filter** icons appear when you select any of the items from the Filter submenu. The selected criteria are displayed in the Filter field. You can choose to apply, save, or clear the filtering criteria by clicking the appropriate icon.

On Junos Space pages that do not support enhanced filtering options, when you select any of the items from the Filter submenu, Junos Space Platform displays the filter criteria, including the columns being filtered, above the table. Junos Space Platform displays a red **X** to the left of the filter criteria above the table. You can clear the filter and restore the table to its original view by clicking the **X**.

Figure 39 on page 74 shows a typical Filter submenu for a date column.

Figure 39: Typical Submenu for a Date Column



The following procedures describe how to use the different types of available filters.

To filter entries on the Junos Space pages:

1. On the Junos Space Platform UI, click the down arrow on the column header and select **Filters**.

The Filters submenu appears, displaying the list of operators or values that you can select, based on the type of values in the column.

2. Based on the submenu that appears, perform one of the following procedures.

To specify filters for a date field:

- a. From the Filter submenu, select **Before**, **After**, or **On**.

You can select both **Before** and **After** dates and times to filter the entries by a specific time period.

You can also select **On** to view events recorded on a specific date.

- b. Click the calendar icon and select the date from the calendar.

You can click **Today** to view the events that occurred today at the specified time.

- c. Click the arrow beside the time list and select the time.

To specify filters for a text field:

- a. In the text box that appears, type the alphanumeric string based on which you want to filter entries.

To specify filters for a field with discrete values such as **Success** or **Failure**, or **True** or **False**:

- a. From the list of values that appears, select the check boxes for one or more values based on which you want to filter entries.

To specify filters for a numeric field:

- a. Enter values for each operator that you want to specify.

3. Click **Go** to view the entries filtered based on the criteria that you specified.

4. On pages that support enhanced filtering options, you can choose to save the filter after you specify the required criteria. To save the filter, click the **Save Filter** icon and complete the steps as explained in ["Saving a Filter" on page 75](#). To apply the filter without saving, click the **Apply Filter** icon. For more information about applying filters, see ["Applying a Filter" on page 77](#).

To clear the filter conditions you entered or the filter that you applied, click the **Clear Filter** icon.

You can also filter entries based on combined filters with different criteria specified for different columns. For example, you can filter for all events on a certain date whose status was *success*. When you use multiple filters, the filters are joined using the logical AND operator.

To clear only the part of a filter that applies to any of the columns, click the down arrow on the column header and clear the check box next to **Filter**.

Saving a Filter

You can create a filter either by using the filtering options that are available in the Junos Space Platform UI or by manually entering the filter criteria in the Filter field that appears when you click the **Filter** icon. After you specify the filtering criteria, you can save the filter.

To save a filter:

1. Create a filter as explained in either of the following topics:

- ["Managing Filtering Options" on page 71](#)
- ["Creating Filters by Using the Filter Submenu Options" on page 73](#)

The criteria you specified, either by typing in the Filter field or by using the Filter submenu options in the Junos Space Platform UI, appear in the Filter field.

2. Click the **Save Filter** icon next to the **Filter** field.

The Save Filter page appears.

3. In the Name field, enter a name for the filter.
4. (Optional) In the Description field, enter a description for the filter.
5. (Optional) To share the filter with other users, select the **Make Public** check box.

NOTE: You cannot change a public filter to a private filter after you save the changes. However, you can change a private filter to a public filter from the Modify Filters page.

6. (Optional) If you want to mark the filter as a favorite, select the **Mark as Favorite** check box.
Alternatively, you can add a filter to the list of favorites or remove a filter from the list of favorites from the Manage Filters page.
7. Click Save to save the filter. To close the page without saving the filter, click Cancel.

Modifying a Filter

From the Manage Filters page, you can modify saved filters.

1. From the Junos Space Platform UI, go to the page that contains the filter that you want to modify.
For example, the Device Management or View Physical Devices page.
2. Click the **Filter** icon to view the Filter menu.
3. From the Filter menu, click **Manage Filters**.
The Manage Filters page appears.
4. From the list of filters, click the filter entry that you want to modify.
The selected filter entry appears highlighted.
5. Modify the following parameters as required:
 - Name—The name of the filter.
 - Description—Description for the filter.
 - Filter Criteria—Filter criteria to apply for the filter. For information about manually entering the filter criteria, see ["Managing Filtering Options" on page 71](#).

- **Make Public**—Specify whether the filter is a public filter. Public filters are available for all users. However, note that only users with Filter Management permissions to create or modify filters can create public filters. This check box is disabled if the selected filter is a Public filter. That is, you cannot clear this check box after you select this check box and save the filter.

NOTE: To create a public filter, you must have both Create Filter and Modify Filter roles assigned to your account.

- **Mark as Favorite**—Specify whether the filter is a favorite or not. You can select this check box to mark the selected filter as favorite. To remove a filter from the list of favorites, clear this check box. Favorite filters are listed on top of the Filter menu options. If there are favorite filters and filters that are not marked as favorites, the filters that are not marked as favorites appear in the **More Filters** submenu.

6. Click **Modify** to save the changes. Click **Reset** if you want to discard the changes.

For a list of error messages, see ["Error Conditions and Error Messages for Filters" on page 79](#).

Creating a Public Filter

Public filters are filters that are available to all users. To create a public filter, you must have both Create Filter and Modify Filter roles assigned to your account. Junos Space Platform adds the suffix (*Public*) to the names of filters that are made public.

To make a filter public:

1. When you save a filter, select the **Make Public** check box. For more information about saving filters, see ["Saving a Filter" on page 75](#).
2. When you modify a filter, select the **Make Public** check box. For more information about modifying filters, see ["Modifying a Filter" on page 76](#)

NOTE: After you make a filter public, you cannot change that to a private filter.

Applying a Filter

Junos Space Platform provides you multiple options to apply a filter.

- From pages that support enhanced filtering, you can apply a filter by clicking the name of the filter from the **Filter** menu. Alternatively, while creating a filter, you can click the **Apply Filter** icon (the green tick mark) next to the Filter field.

- From pages that do not support enhanced filtering, you can apply a filter by selecting and specifying filter options from the **Filter** submenu available for columns that support filtering and then clicking **Go**.

Clearing a Filter

Junos Space Platform provides you the following options to clear a filter that is applied to a page.

- On Junos Space pages that support enhanced filtering options, if a filter is applied to the page, the filter criteria is displayed in the Filter field. You can click the **Clear Filter** icon to clear the applied filter. Alternatively, you can click the **Clear and Hide Filters** icon from the Filter bar or the **Show/Clear and Hide** item in the Filter menu.
- On Junos Space pages that do not support enhanced filtering options, when you select any of the items from the Filter submenu, Junos Space Platform displays the filter criteria, including the columns being filtered, above the table. Junos Space Platform displays a red **X** icon to the left of the filter criteria above the table. You can clear the filter and restore the table to its original view by clicking the **X** icon.

Deleting a Filter

From the Manage Filters page, you can delete saved filters.

To delete a saved filter:

1. From the Junos Space Platform UI, go to the page that contains the filter that you want to delete. For example, the Device Management or View Physical Devices page.
2. Click the **Filter** icon to view the Filter menu.
3. From the **Filter** menu, click **Manage Filters**.
The Manage Filters page appears.
4. From the list of filters, click the filter entry that you want to delete.
The selected filter entry appears highlighted.
5. Click the **Delete** icon above the top-left corner of the list of filters.
The Delete Filter page appears.
6. On the Delete Filter page, click **OK**. Click **Cancel** if you do not want to delete the selected filter.

SEE ALSO

[Understanding Filtering Options in Junos Space Platform User Interface | 56](#)

[Error Conditions and Error Messages for Filters | 79](#)

Error Conditions and Error Messages for Filters

The following table lists common error conditions you might encounter while saving or applying filters and the error messages for those conditions:

Table 10: Error Conditions and Error Messages for Filters

Error Condition	Sample Filter Data	Validation Error Message at Apply Filter	Validation Error Message on the Save Filter and Manage Filter Page
Invalid column name.	'nammm'	Invalid column name: nammm	Invalid filter query
Incorrect filter query. Comparison missing after column name.	'Name' juniper 'Name' has test OR 'Device Alias' contains test	Incorrect filter query, please provide a comparison after column name (Name)	Invalid filter query
Incorrect filter query. Value after comparison missing.	Name = Name = juniper OR Name =	Incorrect filter query, please provide a value after comparison (=)	Invalid filter query
Incorrect filter query; ")" missing.	(Name = test	Incorrect filter query, please insert ")" to complete the query (test)	Invalid filter query
Incomplete filter query. Column name or "(" missing.	(Name = juniper) OR	Incomplete filter query. Please provide a column name or "(" to complete the query after (OR)	Invalid filter query
Incomplete filter query. Column name or "(" missing after (NOT)	(Name = juniper) OR NOT	Incomplete filter query. Please provide a column name or "(" to complete the query after(NOT)	Invalid filter query
Incorrect filter query; Unexpected token ")"	Name = test)	Incorrect filter query, Unexpected token ")"	Invalid filter query

Table 10: Error Conditions and Error Messages for Filters *(Continued)*

Error Condition	Sample Filter Data	Validation Error Message at Apply Filter	Validation Error Message on the Save Filter and Manage Filter Page
Incorrect filter query; Unexpected token ")"	Name = test AND (Name = test1))	Incorrect filter query, Unexpected token ")"	Invalid filter query
Incorrect filter query; Unexpected token "("	Name = test AND (Name = test1)(Incorrect filter query, Unexpected token "("	Invalid filter query
Incorrect filter query; ")" missing.	(Name = test AND (Name = test1)	Incorrect filter query, please insert ")" to complete the query (test)	Invalid filter query
Invalid filter query. Query must start with "(" or NOT or column name.)	Invalid filter query. Query should start with "(" or NOT or column name.	Invalid filter query
Invalid filter query	(Name starts-with ")	Invalid filter query. Query should start with "(" or NOT or column name.	Invalid filter query
The equal condition is not supported for the specified column.	Domain = SUCCESS		Filtering of "Domain" column is not possible with "Equal" condition
The not equal condition is not supported for the specified column.	Domain != SUCCESS		Filtering of "Domain" column is not possible with "Not Equal" condition
The greater than condition is not supported for the specified column.	Name > Test	Filtering of "Name" column is not possible with "Greater than" condition	Filtering of "Name" column is not possible with "Greater than" condition

Table 10: Error Conditions and Error Messages for Filters (Continued)

Error Condition	Sample Filter Data	Validation Error Message at Apply Filter	Validation Error Message on the Save Filter and Manage Filter Page
The less than condition is not supported for the specified column.	Name < Test	Filtering of "Name" column is not possible with "Less than" condition	Filtering of "Name" column is not possible with "Less than" condition
The "greater than or equal to" condition is not supported for the specified column.	Name >= Test	Filtering of "Name" column is not possible with "Greater than or equal to" condition	Filtering of "Name" column is not possible with "Greater than or equal to" condition
The "Less than or equal to" condition is not supported for the specified column.	Name <= Test	Filtering of "Name" column is not possible with "Less than or equal to" condition	Filtering of "Name" column is not possible with "Less than or equal to" condition
The "contains" condition is not supported for the specified column.	ID contains 123	Filtering of "ID" column is not possible with "contains" condition	Filtering of "ID" column is not possible with "contains" condition
The "not-contains" condition is not supported for the specified column.	ID not-contains 123	Filtering of "ID" column is not possible with "not-contains" condition	Filtering of "ID" column is not possible with "not-contains" condition
The "starts-with" condition is not supported for the specified column.	ID starts-with 123	Filtering of "ID" column is not possible with "starts-with" condition	Filtering of "ID" column is not possible with "starts-with" condition
The "ends-with" condition is not supported for the specified column.	ID ends-with 123	Filtering of "ID" column is not possible with "ends-with" condition	Filtering of "ID" column is not possible with "ends-with" condition

Table 10: Error Conditions and Error Messages for Filters (Continued)

Error Condition	Sample Filter Data	Validation Error Message at Apply Filter	Validation Error Message on the Save Filter and Manage Filter Page
The specified column supports only numbers for values.	ID = test	"ID" column accepts only Numbers	"ID" column accepts only Numbers
The input value is not supported for the specified column.	'Device Network' = 123	"Device Network" column can not be filtered with the provided filter value "123"	"Device Network" column can not be filtered with the provided filter value "123"
The input date and time value does not match the supported format.	'End Time' = 10pm	"End Time" column accepts only valid date, Example: 11/03/2017 01:14AM	"End Time" column accepts only valid date, Example: 11/03/2017 01:14AM
The input value is not supported for the specified column.	State = SUCCES	"State" column can not be filtered with the provided filter value "SUCCES"	"State" column can not be filtered with the provided filter value "SUCCES"
The input column name is invalid or is of a column for which filtering is not supported.	State = SUCCESS		Column name "State is invalid or Filtering of that column is not supported.

SEE ALSO
[Understanding Filtering Options in Junos Space Platform User Interface | 56](#)
[Managing Filtering Options | 71](#)

Global Search Overview

The global search field on the Junos Space Network Management Platform UI helps you to quickly locate objects within Junos Space Platform. When you search for an object by using global search, Junos Space Platform performs a full-text search operation for objects within Junos Space Platform, and displays the matches found.

The search results are filtered on the basis of your Role-Based Access Control (RBAC) permissions, such as the tasks that a user is allowed to perform and the domains to which a user is assigned. For example, users are shown results only for tasks for which they have the appropriate permissions or results related to domains to which the users are assigned. For more information about RBAC permissions, see the *Role-Based Access Control Overview* topic (in the *Junos Space Network Management Platform Workspaces User Guide*).

The search is performed and the results are displayed based on how the Junos Space Platform objects are indexed. [Table 11 on page 84](#) lists the indexed objects on which you can perform a search operation by using the global search feature.

Junos Space Platform monitors its database at regular intervals to identify new objects that need to be indexed. The default interval is set to five seconds.

NOTE:

- An administrator can configure the refresh interval from the Administration workspace. For more information about configuring the refresh interval, see the **Index auto update interval in seconds** parameter in *Modifying Junos Space Network Management Platform Settings* (in the *Junos Space Network Management Platform Workspaces User Guide*).
- An administrator can also refresh the search index manually from the Administration workspace by navigating to **Administration > Applications > Network Management Platform** and selecting **Refresh Search Index** from the Actions menu.

Table 11: Searchable Objects

Object Category	Indexed Fields (Category) and Description
Device	<ul style="list-style-type: none"> • name—Name of the device. • deviceFamily—Device family of the device. • platform—Hardware platform. • os—Junos OS version of the device. • ip—Device management IP address. • connectionStatus—Device connection state, which indicates whether the device is up or down. • managedStatus—Device management status, such as “In Sync,” “Connecting,” “Sync Failed,” and so on. • serialNumber—Serial number of the device. • ccState—Candidate configuration state of the device, such as “Created,” “Accepted,” or “Rejected”. • vendor—Name of the device vendor. • authenticationStatus—Indicateshow the device is connected to Junos Space, such as “Credential Based,” “Key based,” or “Key Conflict.” Credential-based uses username and password for connection; whereas, key-based needs an RSA key for establishing a connection. The UI displays key conflict when the keys on Junos Space and device are not the same. • connectionType—Connection type of the device.

Table 11: Searchable Objects (*Continued*)

Object Category	Indexed Fields (Category) and Description
Physical interface	<ul style="list-style-type: none"> • name—Name of the physical interface. • ip—Assigned IP address of the physical interface. • mac—MAC address of the physical interface. • operationStatus—Operational status of the physical interface (up or down). • adminStatus—Administrative status of the physical interface (up or down). • linkLevelType—Link level type of the physical interface. • linkType—Link type of the physical interface, such as full-duplex or half-duplex. • speed—Link speed on the physical interface. • mtu—MTU of the physical interface. • description—Description of the physical interface.
Logical interface	<ul style="list-style-type: none"> • name—Name of the logical interface. • ip—IP address of the logical interface. • encapsulation—Encapsulation on the logical interface, such as VLAN-VPLS. • vlanId—Assigned VLAN number of the logical interface. • description—Description of the logical interface.

Table 11: Searchable Objects *(Continued)*

Object Category	Indexed Fields (Category) and Description
Device physical inventory	<ul style="list-style-type: none"> • name—Name of the module. • version—Software release version of the module. • modelNumber—Model number of the module. • model—Device family of the module. • partNumber—Part number of the module. • serialNumber—Serial number of the module. • status—Status of the module. • description—Description of the module
Software inventory	<ul style="list-style-type: none"> • model—Model of this device. • routingEngine—Routing engine of the device. • name—Name of the installed software package. • version—Version number of the installed software package. • type—Type of the installed software package. Permitted values are operating-system, internal-package, and extension. • major—Major portion of the version number. For example, in version 13.1R1.14, the major portion is 13. • minor—Minor portion of the version number. For example, in version 13.1R1.14, the minor portion is 1. • revisionNumber—Revision number of the package. For example, in version 13.1R1.14, the revision number is 1.14. • description—Description of the installed software package
Tags	name—List of tags assigned to an object

Table 11: Searchable Objects *(Continued)*

Object Category	Indexed Fields (Category) and Description
Audit log	<ul style="list-style-type: none"> • userName—Name of the user who performed an action that generated this audit log entry. For example, when userA logs in to Junos Space Network Management Platform, an audit log entry is generated to record the login activity. When you search for userA, this audit log entry is displayed as part of the search results. • userIpAddr—IP address from which the action was performed. • taskName—Action that was performed by the user, such as Login, Logout, and so on. • timeStamp—Date and time of action. • executionResult—Result of the action, such as Success, Job Scheduled, and so on. • description—Description of the action, such as Login Succeeded, Logout Succeeded, and so on. • jobId—Job ID of the action that was performed. NOTE: Not all actions trigger a job. • recId—Audit log ID.

Table 11: Searchable Objects *(Continued)*

Object Category	Indexed Fields (Category) and Description
Job	<ul style="list-style-type: none">• jobId—Job ID.• name—Name of the job.• percent—Percentage of job completed at a given instant,such as 30, 100, and so on.• state—Indicates whether the job is a success, failure, or in progress.• jobType—Type of job.• scheduledStartTime—Date and time at which the job is scheduled to start.• actualStartTime—Date and time at which the job actually started.• endTime—Date and time at which the job was completed.• owner—Name of the user who triggered the job.• retryGroupId—Job ID of the original job.• previousRetry—Job ID of the previous job.• parameter—Objects on which a job is performed or is scheduled to be performed.• summary—Operations executed for the job.

Table 11: Searchable Objects *(Continued)*

Object Category	Indexed Fields (Category) and Description
Configlets	<ul style="list-style-type: none"> • configletsName—Name of the configlet. • configletsCategory—Category specified by a user at the time of creation or modification of a configlet. • configletsDeviceFamilySeries—Family of the device. • configletsLastestVersion—Latest version of the configlet. • configletsDescription—Description of the configlet specified by a user at the time of creation or modification of a configlet. • configletsExecutionType—Type of execution of the configlet—single or grouped. • configletsCreationTime—Time at which the configlet was created. • configletsLastUpdatedTime—Time at which the configlet was last updated. • configletsLastModifiedBy—Name (login ID) of the user who last modified the configlet. • referenceNumber—Reference number of the configlet, which a user has provided during creation or modification of the configlet.

Table 11: Searchable Objects *(Continued)*

Object Category	Indexed Fields (Category) and Description
Configuration View	<ul style="list-style-type: none"> • configurationViewName—Name of the configuration view • configurationViewTitle—Title of the configuration view • configurationViewDeviceFamilySeries—Family of the device. • configurationViewDescription—Description of the configuration view specified by a user at the time of creation or modification of a configuration view • configurationViewOrder—Order in which the configuration view must be applied • configurationViewType—Type of configuration view—Form view, Grid view, XML view, and CLI view • configurationViewCreationTime—Time at which the configuration view was created • configurationViewLastUpdatedTime—Time at which the configuration view was last updated • configurationViewLastModifiedBy—Name (login ID) of the user who last modified the configuration view

Table 11: Searchable Objects *(Continued)*

Object Category	Indexed Fields (Category) and Description
Scripts	<ul style="list-style-type: none"> • <code>scriptName</code>—Name of the script file • <code>scriptDescriptiveName</code>—Descriptive name of the script that is mentioned within the script • <code>scriptType</code>—Type of script—Commit Script, Op Script, and Event Script • <code>scriptExecutionType</code>—Type of execution—Device (script with this execution type should be staged on to a device before it can be executed) and Local (script with this execution type can be executed without having to stage it on a device) • <code>scriptFormat</code>—Format of the script file (XSL and SLAX) • <code>scriptLatestRevision</code>—Latest version number of the script • <code>scriptCreationDate</code>—Time at which the script was imported to the Junos Space server • <code>scriptDescription</code>—Description of the script • <code>scriptLastUpdatedTime</code>—Time at which the script was last updated • <code>deviceNameList</code>—Devices with which a script is associated

Table 11: Searchable Objects *(Continued)*

Object Category	Indexed Fields (Category) and Description
Templates	<ul style="list-style-type: none"> • name—Name of the device template • currentVersion—Current version of the device template • description—Description of the device template • modifiedBy—Name (login ID) of the user who last modified the device template • modifiedTime—Time at which the template was last updated • state—Device template deployment readiness (Needs Review, Disabled, or Enabled) • deployStat—Deployment status of the template (assigned, created, or deployed) • type—Type of device template (configuration template or quick template) • deviceFamily—Supported device family of this device template"
Template Definition	<ul style="list-style-type: none"> • name—Name of the template definition. • description—Description of the template definition. • deviceFamily—Supported device family of the template definition. • state—State of the template definition. • schemaVersion—Schema version of the template definition. • modifiedBy—User who last modified user the template definition. • modifiedTime—Time that the template definition was last modified.

Table 11: Searchable Objects *(Continued)*

Object Category	Indexed Fields (Category) and Description
Xpath and Regex	<ul style="list-style-type: none"> • xpathRegexName—Name of the regular expression or XPath • xpathRegexValue—XPath or regex value. For example: [a-zA-Z0-9], /device/configuration/interfaces/interface/unit, or /device/configuration/interfaces/interface[name="\$INTERFACE.get(0)"]/unit/name/text() • xpathRegexPropertyType—Property type—Regular Expression, XPath Context, or XPath Search • xpathRegexCreationTime—Time at which the XPath or regular expression was created • xpathRegexLastUpdatedTime—Time at which the XPath or regular expression was last updated • xpathRegexLastModifiedBy—Name (login ID) of the user who last modified the XPath or regular expression
Images	<ul style="list-style-type: none"> • imagesFileName—Filename of the device image. For example, jinstall-ex-4200-12.3R4.6-domestic-signed.tgz • imagesVersion—Version of the device image • imagesSeries—Series supported by the device image • deviceNameList—Devices on which the device image is deployed
Report Definitions	<ul style="list-style-type: none"> • name—Name of the report definition • reportDefinitionsCreatedBy—Name (login ID) of the user who created the report definition • reportDefinitionsCreatedTime—Time at which the report definition was created • reportDefinitionsDescription—Description of the report definition

Table 11: Searchable Objects *(Continued)*

Object Category	Indexed Fields (Category) and Description
Generated Reports	<ul style="list-style-type: none"> • name—Name of the generated report • generatedReportsGeneratedTime—Time at which the report was generated • generatedReportsDescription—Description of the generated report • generatedReportsDefinitionName—Name of the report definition using which the report was generated • generatedReportsGeneratedBy—Name (login ID) of the user who generated the report • generatedReportsFormat—Format of the generated report • generatedReportsJobId—ID of the job associated with report generation
Configuration Files	<ul style="list-style-type: none"> • name—Name of the configuration file, which is the device serial name with the <code>.conf</code> file extension • configFileDeviceName—Name of the device whose configuration file is backed up • latestConfigFileVersion—Latest version number of the backup configuration file • configFileCreationDate—Time when the configuration file was created on the Junos Space server. It corresponds to the time at which you back up a device configuration for the first time from the Junos Space server. • configFileLastUpdatedDate—Time at which the device configuration was last modified

Table 11: Searchable Objects *(Continued)*

Object Category	Indexed Fields (Category) and Description
User Accounts	<ul style="list-style-type: none"> • <code>userName</code>—Login ID of the Junos Space user • <code>userFirstName</code>—First name of the Junos Space user • <code>userLastName</code>—Last name of the Junos Space user • <code>userEmail</code>—E-mail ID of the Junos Space user • <code>userType</code>—Type of the user—local, remote, or read only • <code>userStatus</code>—Status of the user—enabled or disabled • <code>passwordStatus</code>—Status of the password—active or expired • <code>lockedOut</code>—Whether the user is locked out or not • <code>roleType</code>—Whether the user has access to the UI, API, or both

NOTE:

- If you are searching for entries in Junos Space Platform on the basis of the date or time field, the correct search results are not returned if the comma (,) or the colon (:) characters are part of the search string.

For example, to search for Nov 10, 2016 6:21:33 AM, enter the following search string: **Nov 10 2016 6 21 33 AM**. An exact match is returned if found; otherwise, merged results that match any of the parts of the search string are returned. In this example, if an exact match, Nov 10, 2016 6:21:33 AM, is not found, the search results will return all entries that match any of the space-separated parts of the search string, for example, Nov 9, 2016 7:37:21 AM, Jun 10, 2016 6:21:14 PM, and Nov 4, 2015, 2:12:45 PM.

- Date and time search works only if both the Junos Space server and the user executing the search are in the same time zone.

The global search operation also supports query expressions. You can search for phrases and multiple terms. The default operator for multiple terms is the OR operator.

NOTE: When you enter a query expression, be aware of the following:

- You must add a back slash “\” if you want to use the following special characters in the search text:

+ && || ! () { } [] ^ “ ~ * ? : \ - _

- Field names are case-sensitive. To search within a specific field, the search syntax is:
“<Indexed field or column name>:<search text>”

For example, if you have a few systems running on Junos OS 12.3 Release 4.5, then “os: 12.3R4.5” returns search results, whereas “OS: 12.3R4.5” does not return search results. This is because the field name that is indexed is “os” and not “OS.” Another example to search for information pertaining to the Junos EX Series devices is to enter “deviceFamily:junos-ex” in the Search field.

- If you want to search for a term that includes a space, enclose the term within double quotation marks.

For example, to search for all devices that are synchronized (that is, In Sync), enter “In Sync” in the Search field.

- You must append “*” if you want to search using partial keywords. Otherwise, the search returns 0 (zero) matches or hits.

Table 12 on page 96 provides examples of query expressions that you can enter in the **Search** field.

Table 12: Query Expressions in the Search Field

Query Expression	Matches Objects That Contain
snmp	snmp
snmp ntp	snmp or ntp
snmp OR ntp	snmp or ntp
snmp AND ntp	snmp and ntp
protocol:snmp	snmp in the protocol field

Table 12: Query Expressions in the Search Field *(Continued)*

Query Expression	Matches Objects That Contain
protocol:snmp AND NOT subject:snmp	snmp in the protocol field but not in the subject field
(snmp OR ntp) AND http	http and the terms—snmp or ntp
description:"http server"	Exact phrase "http server" in the description field
description: "http server"~5	http and server within five positions of one another in the description field (that is, http and server need to have no more than 5 words in-between them)
ge-*	Terms that begin with "ge-," such as ge-0/0/1 or ge-0/0/1.4
s??p	Terms such as smtp or snmp
lastmodified:[1/1/2012 TO 12/31/2012]	Last modified field values between the dates January 1, 2012 and December 31, 2012
port:(80 8080 8888)	80, 8080, or 8888 in the port field
IPAddress:10.1.1.1	10.1.1.1 or 10.1.1.0/24 in the IPAddress field

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Using Global Search

You can use the global search feature of Junos Space Network Management Platform to find objects within Junos Space Platform.

To search for objects using the global search feature:

1. In the **Search** field, located at the top of the Junos Space Platform UI, type the search criteria and press **Enter**. (Alternatively, you can click the magnifying glass icon adjacent to the Search field.)

If none of the objects in Junos Space Platform match your search criteria, the following error message is displayed:

No matching results were found. Please enter different search criteria.

If any of the objects match the search criteria, the results appear on the search results page, which is divided into two areas. The area on the left displays the filters that you can use to refine your search results, and the area on the right displays the search results with a short description about each result.

The search criteria that you typed are highlighted in the search results. Each search result may also provide a URL to help you navigate to the corresponding object on the inventory landing page.

NOTE: When the search results are displayed, an informational message about how to hide the search results is displayed in a dialog box.

Perform one of the following actions:

- To prevent the informational message from appearing again, ensure that the **Don't show again** check box is selected and click **OK**. The **Don't show again** check box is selected by default.
- To allow the informational message to continue appearing, clear the **Don't show again** check box and click **OK**.

2. (Optional) Click the URL provided with the search result to navigate to the inventory landing page of the desired object.
3. (Optional) To filter the search results, select the relevant category or subcategories displayed on the left of the search results page.
4. (Optional) To view the previous search results, click **View Last Search Results**. However, if this is your first search after logging in to Junos Space, then this link is not displayed.
5. To dismiss the search results page or to navigate to the inventory landing page from which you performed the search, click one of the following:
 - The **Hide Search Results** button

- The left navigation tree or any of the global action icons
- The close [X] button on the top-right of the search results panel

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Viewing Your Jobs

You can view all your completed, in-progress, canceled, failed, and scheduled jobs in Junos Space Network Management Platform. Your jobs include jobs that were triggered by you as well as jobs that were reassigned to you. The My Jobs icon on the banner of the Junos Space Platform UI, allows you to quickly access summary and detailed information about all your jobs, from any workspace and from any task that you are currently performing.

To view your jobs:

1. In the banner of the Junos Space Platform UI, click the **My Jobs** icon located at the top right.

The My Jobs dialog box appears, displaying your 25 most recent jobs.

For each job, the following information is displayed:

- Job ID
- Job name
- Job status
- Date and time—The date and time displayed depends on the status of the job:
 - For jobs that are in progress, the date and time at which the job started are displayed.
 - For failed jobs, the date and time when the job failed are displayed.
 - For successful jobs, the date and time when the job succeeded are displayed.
 - For jobs that are scheduled for later, the date and time at which the job is scheduled to run are displayed.
- Percentage of the job completed

2. (Optional) To view all your jobs, click **Manage My Jobs**.

The Job Management page appears and displays a list of all your jobs.

3. (Optional) To view the details of a specific job, click the *job ID*.

The Job Management page appears and displays the details of the selected job in a dialog box.

4. Click **Close** to exit the My Jobs page.

For troubleshooting, see the `/var/log/jboss/servers/server1/server.log` file.

RELATED DOCUMENTATION

Viewing Statistics for Jobs

Canceling Jobs

Jobs Overview

Clearing Your Jobs

Changing Your Password on Junos Space

After you log in to Junos Space Network Management Platform, you can change your password using the User Settings icon on the Junos Space banner. You do not require any particular Junos Space role to change your password. After a password change, you are logged out of the application. You must login again with the new password. If you use REST API to change the password, you must use Basic Auth to change the password, instead of using session ID or cookies.

Starting with Junos Space Platform Release 12.1, Junos Space has implemented a default standard for passwords that is compliant with the industry standard for security.

NOTE:

- When you upgrade to Junos Space Platform Release 12.1 or later, the default standard takes effect immediately. All local users receive password expiration messages the first time they log in to Junos Space after the update.
- You need to have set your local password to be able to change it. If you do not have a local password set, you will not be able to set or change it.
- You can use the **User Settings** icon to change only your local password. The change does not affect any passwords that an administrator might have configured for you on a remote authentication server.

To change your local password:

1. On the Junos Space Platform UI, click the **User Settings** icon on the right side of the Junos Space banner.

The **Change User Settings** dialog box appears.

2. In the **Old Password** text box, enter your old password.

NOTE: Mouse over the information icon (small blue *i*) next to the **New Password** text box to view the rules for password creation. For more information about the password rules, see *Modifying Junos Space Network Management Platform Settings*.

3. In the **New Password** text box, enter your new password.

NOTE: Using a comma "," in the password is not allowed.

4. In the **Confirm Password** text box, enter your new password again to confirm it.

NOTE: The fields on the **X.509 Certificate** tab are applicable when you want to use certificate-based authentication. If you are using password-based authentication, you can ignore these fields. For more information about certificate-based authentication, see the *Certificate Management Overview* topic in the *Junos Space Network Management Platform Workspaces Feature Guide*.

5. (Optional) Select the **Manage objects from all assigned domains** check box on the **Object Visibility** tab to view and manage objects from all the domains that you are assigned to.
6. Click **OK**.

You are logged out of the system. To log in to Junos Space again, you must use your new password. Other sessions logged in with the same username are unaffected until the next login.

RELATED DOCUMENTATION

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Logging Out of Junos Space

After you complete your administrative tasks in the Junos Space UI, log out to prevent unauthorized users from accessing Junos Space.

- To log out of Junos Space, click the **Log Out** icon on the Junos Space application banner.

The logout page appears. A user who is idle and has not performed any action, such as keystrokes or mouse-clicks, is automatically logged out of Junos Space after a specified amount of time. This setting conserves server resources and protects the system from unauthorized access. The default setting is 5 minutes of inactivity. You can change the setting on the Applications inventory page. Select **Administration > Applications > Network Management Platform > Modify Application Settings** (from the Actions menu) > **User > Automatic logout after inactivity (minutes)** to modify the automatic logout setting.

To log in to the system again, click the **Click here to log in again** link on the logout page.

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