# GUI Overview

Prime Network Services Controller provides a browser-based interface that enables you to configure managed endpoints, perform administrative operational tasks, and define and apply policies and profiles. You can also use the GUI to manage and provision compute and edge firewalls, such as VSGs and ASA 1000Vs.

The following topics provide an overview of the Prime Network Services Controller user interface.

## Firewall Access

If the Prime Network Services Controller server is protected by a firewall, the following ports must be enabled:

- 22—TCP
- 80—HTTP
- 443—HTTPS
- 843—Adobe Flash
- 6644—TCP, UDP

# Login URL

The default HTTPS URL for logging into the Prime Network Services Controller user interface is https://*server-ip-address*, where *server-ip-address* is the IP address assigned to the Prime Network Services Controller server. The IP address is the address for the management port.

**Note**   If you log in using HTTP, you are automatically redirected to the HTTPS link.

# User Interface Components

When you log into Prime Network Services Controller, the user interface is displayed with the components described in the following table:

*Table 1: Prime Network Services Controller User Interface Components*

| Component | Description |
|---|---|
| Title | Displays "Cisco Prime Network Services Controller." |
| Toolbar | Allows you to set an idle timeout value, obtain Prime Network Services Controller version information, access online help, provide product feedback, and log out. |
| Tabs | Provide access to the following primary components for managing your environment:<br><br>• Tenant Management<br><br>• Resource Management<br><br>• Policy Management<br><br>• InterCloud Management<br><br>• Administration |
| Navigation pane | Provides navigation to all objects in the Prime Network Services Controller instance.<br><br>The navigation pane is displayed on the left side of the screen below the tabs. The objects that are displayed in the navigation pane depend on the selected tab. |
| Content pane | Displays information and provides options for the object that is selected in the navigation pane. |

The following table provides information about the tabs in the Prime Network Services Controller GUI:

*Table 2: Tabs in the Prime Network Services Controller GUI*

| Tab | Description |
| --- | --- |
| Tenant Management | Enables you to manage tenants in the current Prime Network Services Controller instance. |
| | A system or server administrator can use this tab to create organizational hierarchies and enable multi-tenant management domains. The organizational hierarchy levels are Tenant > Virtual Data Center > Application > Tier. |
| Resource Management | Enables you to manage logical resources, such as VSGs, ASA 1000Vs, VSMs, and vCenters. |
| | Resource Management subtabs are: |
| | • Managed Resources |
| | • Resources |
| | • Capabilities |
| | • Diagnostics |
| Policy Management | Enables you to configure service and device policies and profiles, and to assign policies to profiles. |
| | Policy Management subtabs are: |
| | • Service Profiles |
| | • Service Policies |
| | • Device Configurations |
| | • Capabilities |
| | • Diagnostics |
| InterCloud Management | Enables you to configure and monitor InterCloud resources. |
| | InterCloud Management subtabs are: |
| | • Enterprise |
| | • Public Cloud |
| | • InterCloud Link |
| | • InterCloud Policies |
| | • Diagnostics |

| Tab | Description |
|---|---|
| Administration | Provides the tools needed for administering Prime Network Services Controller.<br><br>Administration subtabs are:<br><br>• Access Control<br><br>• System Profile<br><br>• VM Managers<br><br>• Diagnostics<br><br>• Operations<br><br>• Service Registry |

# Toolbar

The Prime Network Services Controller toolbar displays in the upper-right portion of the user interface. The following table describes the toolbar options:
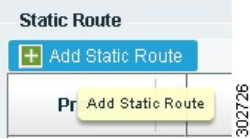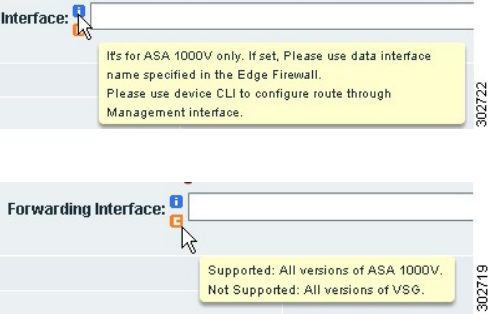
*Table 3: Toolbar Options*

| Option | Description |
|---|---|
| (*username*) | Username of the current Prime Network Services Controller session. |
| Preferences | Enables you to specify the amount of time that the Prime Network Services Controller session can remain inactive before the session times out. The value that you specify applies to the system from which you logged into Prime Network Services Controller. |
| Log Out | Logs you out of the current session. |
| About | Provides Prime Network Services Controller version information. |
| Help | Launches online help for the currently displayed screen. |
| Feedback | Allows you to provide feedback on Prime Network Services Controller. |

# Field Aids

Prime Network Services Controller includes the following aids to assist you in your tasks, whether configuring policies and profiles, troubleshooting faults, or looking for additional information for a particular window or dialog box.

*Table 4: Prime Network Services Controller Field Aids*

| Feature | Description | Example |
|---|---|---|
| Tooltips | Pause your cursor over a field to view additional information about the field. | |
| Red field or box | Indicates that information is required. If you have entered information and the field remains red, the entry contains an error (such as an incomplete IP address). You can pause your mouse over the field to obtain information about the error. | |
| Field icons | Two field icons (i and c) provide additional information for the field:<br><br>• The "i" icon provides additional information for the field.<br><br>• The "c" icon identifies the feature support for the field. For example, a feature might be supported on ASA 1000Vs but not on VSGs.<br><br>Pause your cursor over the icon to view the information. | |
| Fault links | Fault information and links to fault information are available for each edge and compute firewall in Resource Management.<br><br>Navigate to a specific compute or edge firewall to view the object state, number of faults, and severity of faults. The same pane provides links to the relevant fault page. | |

| Feature | Description | Example |
|---------|-------------|---------|
| Online help | Context-sensitive online help is available for each Prime Network Services Controller pane and dialog box. To access help, click **Help** in the active pane or **?** in the active dialog box. | |

# Idle Timeout Period

The Preferences dialog box allows you to specify the length of time, from 5 to 60 minutes, that a Prime Network Services Controller session on your current machine can remain idle before the session is closed. The value that you enter applies to the system that you used to log into Prime Network Services Controller.

# Search

The Search tab enables you to search for instances of organizations in Prime Network Services Controller. From the search result, you can expand an organization's hierarchy and launch devices and polices in that organization.

**Note** Searching for organization names does not work if the organization names contain special characters.

**Procedure**

**Step 1** Do any of the following to launch the Search tab:

- Choose **Policy Management > Service Policies > root > Search**.

- Choose **Policy Management > Service Profiles > root > Search**.

- Choose **Policy Management > Device Configurations > root > Search**.

- Choose **Tenant Management > root > Search**.

- Choose **Resource Management > Managed Resources > root > Search**.

**Note** You can perform the Search operation at any level in the organizational hierarchy.

**Step 2** Enter organization names as a *pattern or a regular expression.
The Search feature is case-sensitive. When you enter a name as a regular expression, it can contain regex wildcards such as * , + , ? and so on. For example, "*" will match the previous character zero or more times. Searching myVdc* will return all names that contain "myVd" and "myVDC".

Use the following the guidelines when you enter a pattern:

- To fetch organization names starting with "ABC", enter "ABC*".

> • To fetch organization names ending with "ABC", enter "*ABC".
>
> • To fetch organizations names starting with "A" and ending with "BC" but with other characters in between, enter "A*BC".

**Step 3**   Click **Search**.
The search results are displayed in the table.

# Clone

You can create a clone for an organization, policy, policy set, or profile at a destination of your choice. The hierarchy of an organization's clone or the names of the elements in it cannot be changed. After a clone is created, it cannot be renamed or moved to another location.

### Procedure

**Step 1**   Based on the element you want to clone, do one of the following:

> • To clone an organization, choose **Tenant Management > root >** *tenant* **>** *organization*.
>
> • To clone a policy, policy set, or profile, choose **Policy Management > Service Polices > root >** *tenant* **> Policies >** *policy* or **Policy Management > Service Profiles > root >** *tenant* **> Profiles >** *profile*.

**Step 2**   Right-click the element to be cloned and choose **Clone**.

**Step 3**   In the Clone dialog box that appears:
a)  Enter the name and destination of the clone.
b)  Click **OK**.

The clone appears in the destination you chose.

**Clone**