



Using VPT Phone or Device Profile Templates

If you want to do so, you can configure templates in the Cisco Voice Provisioning Tool; although template configuration/application is optional, it allows you to update specific configuration records quickly by applying the template, and hence, any configured template settings. After you apply a template to a specific configuration record, the record is updated to match the configuration in the template. For example, you could configure common configuration settings in a VPT phone template for Cisco CallManager 4.1(3) and then apply the template to phone configuration records in the Cisco Voice Provisioning Tool. Performing this task ensures that you do not have to configure these common settings for each phone.

Use the information in this chapter in conjunction with the “[Template Overview](#)” section on page 5-1, which provides descriptive information and important caveats for managing templates.

This chapter contains information on the following topics:

- [Finding a VPT Phone or Device Profile Template, page 7-1](#)
- [Adding a VPT Phone or Device Profile Template, page 7-2](#)
- [Updating a VPT Phone or Device Profile Template, page 7-3](#)
- [Applying IP Phone Services to VPT Phone or Device Profile Templates, page 7-4](#)
- [Configuring Line Settings for VPT Phone or Device Profile Templates, page 7-7](#)
- [Deleting a VPT Phone or Device Profile Template, page 7-8](#)
- [Applying a VPT Phone or Device Profile Template, page 7-9](#)
- [Obtaining Information on Phone or Device Profile Template Configuration Settings, page 7-9](#)

Finding a VPT Phone or Device Profile Template

To find a VPT phone or device profile template, perform the following procedure:

To Find a VPT Phone or Device Profile Template

- Step 1** In the Cisco Voice Provisioning Tool, choose **Templates > Phone Templates > Manage Phone Template**. The list of templates displays.
- Step 2** To navigate through the search results, perform the following tasks:
- In the Rows Per Page drop-down list box, choose the number of rows that you want to display.
 - In the Page field, enter the page that you want to display; then click **Go**.

- To go to the last page of results, click the forward double-arrow button.
- To go to the next page of results (for example, to go from page 1 to page 2), click the forward single-arrow button.
- To go to the first page of results, click the backward double-arrow button.
- To go to the preceding page (for example, to go from page 2 to page 1), click the backward single-arrow button.



Tip To sort the columns, click the header that displays at the top of each column.

- Step 3** To display the configuration for a specific VPT template, click the **Template Name** link.
- Step 4** If you want to update the settings for the VPT template, see the [“Updating a VPT Phone or Device Profile Template” section on page 7-3](#).
- Step 5** If you want to delete the VPT profile template, see the [“Deleting a VPT Phone or Device Profile Template” section on page 7-8](#).
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Adding a VPT Phone or Device Profile Template

To add a VPT phone or device profile template, perform the following procedure.

To Add a VPT Phone or Device Profile Template

- Step 1** In the Cisco Voice Provisioning Tool, choose **Templates > Phone Templates > Add New Phone Template**.
- The Add New Phone/Profile Template page displays.
- Step 2** Enter a **Template Name** and **Template Description**.
- For the template name and template description, enter no more than 255 characters in each field. The system validates the template name and displays an error message in the GUI if a problem exists.
- Step 3** In the Phone System drop-down list box, choose the product system that you want to support the Cisco Voice Provisioning Tool template.
- The product system that you choose determines the settings that display.
- Step 4** In the Device Class drop-down list box, choose **Phone** or **Device Profile**, depending on the type of template that you want to configure.
- Step 5** In the Device Type drop-down list box, choose the phone model that you want to use for the Cisco Voice Provisioning Tool Profile template.
- The phone model that you choose determines the settings that display for the template.
- The page refreshes and displays the template settings.



Tip To display Basic and Advanced configuration settings at the same time, choose **Shortcuts > Expand All Sections**.



Tip When you add a template, configuring the basic and advanced settings is optional, unless the GUI marks the setting with an asterisk (*).

- Step 6** Wait for the basic configuration settings to display, or choose **Shortcuts > Basic Phone/Profile Configuration**. For descriptions of basic settings, see the following sections:
- [Basic Phone Settings, page 12-3](#)
 - [Basic Device Profile Settings, page 13-3](#)
- Step 7** If you want to add IP Phone services to the template, click the **Add IP Phone Service** button and see the “[Applying IP Phone Services to VPT Phone or Device Profile Templates](#)” section on page 7-4.
- Step 8** To configure advanced settings for the template, click **Advanced Phone/Profile Configuration** or choose **Shortcuts > Advanced Phone/Profile Configuration**, and see the following sections to configure the settings:
- [Advanced Phone Settings, page 12-5](#)
 - [Advanced Device Profile Settings, page 13-3](#)
- Step 9** To configure lines for the template, see the following sections:
- [Configuring Line Settings for VPT Phone or Device Profile Templates, page 7-7](#)
 - [Basic Line Configuration Settings for Phones, page 12-12](#)
 - [Advanced Line Configuration Settings for Phones, page 12-18](#)
 - [Basic Line Configuration Settings for Device Profiles, page 13-5](#)
 - [Advanced Line Configuration Settings for Device Profiles, page 13-13](#)
- Step 10** After you configure the settings that you want to use for the VPT template, click the **Save** button or choose **Action > Save**.
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Updating a VPT Phone or Device Profile Template

To update a VPT template, perform the following procedure.

To Update a VPT Phone or Device Profile Template

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- Step 1** Find the VPT template that you want to update, as described in the “[Finding a VPT Phone or Device Profile Template](#)” section on page 7-1.
- Step 2** After you click the template in the Manage Phone/Profile Template search results page and the record displays, update the Phone System system from the drop-down list box, if applicable.



Tip To display Basic and Advanced configuration settings at the same time, choose **Shortcuts > Expand All Sections**.

- Step 3** Wait for the basic configuration settings to display, or choose **Shortcuts > Basic Phone/Profile Configuration**.
- Step 4** Update basic settings, as described in the following sections:

- [Device Profile Parameters, page 13-2](#)
 - [Basic Device Profile Settings, page 13-3](#)
 - [Phone Parameters, page 12-2](#)
 - [Basic Phone Settings, page 12-3](#)
- Step 5** If you want to subscribe services to the device profile, click the **Add IP Phone Service** button and see the “[Applying IP Phone Services to VPT Phone or Device Profile Templates](#)” section on [page 7-4](#).
- Step 6** To configure advanced device profile settings, click **Advanced Phone/Profile Configuration** or choose **Shortcuts > Advanced Phone/Profile Configuration**, and use the following sections to configure the settings:
- [Advanced Phone Settings, page 12-5](#)
 - [Advanced Device Profile Settings, page 13-3](#)
- Step 7** To configure lines for the template, see the following sections:
- [Configuring Line Settings for VPT Phone or Device Profile Templates, page 7-7](#)
 - [Basic Line Configuration Settings for Phones, page 12-12](#)
 - [Advanced Line Configuration Settings for Phones, page 12-18](#)
 - [Basic Line Configuration Settings for Device Profiles, page 13-5](#)
 - [Advanced Line Configuration Settings for Device Profiles, page 13-13](#)
- Step 8** Click the **Save** button or choose **Action > Save**.
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Applying IP Phone Services to VPT Phone or Device Profile Templates

The Cisco Voice Provisioning Tool allows you to add IP Phone services when you add or modify VPT phone and device profile templates. If you apply the template to the specific configuration record, as described in the “[Overview for Applying a Template to a Specific Configuration Page](#)” section on [page 5-4](#), the phone or device profile uses the Cisco IP Phone services that you configured in the template.



Tip

Before you can apply the IP phone services to the template, ensure that the IP Phone services exist in Cisco CallManager Administration.

If you modify IP Phone services in the template after you apply the template to the specific configuration record, the record does not change. If you remove the IP Phone services from the template after you apply the template to the specific configuration record, the record does not change.

For more information on applying IP Phone services to the phone or device profile template, see the following sections:

- [Applying IP Phone Services to a VPT Phone or Device Profile Template, page 7-5](#)
- [Updating a Subscription in a VPT Phone or Device Profile Template, page 7-6](#)
- [Removing IP Phone Services From a VPT Phone or Device Profile Template, page 7-6](#)


Applying IP Phone Services to a VPT Phone or Device Profile Template

The Cisco Voice Provisioning Tool allows you to add Cisco IP Phone services to VPT phone and device profile templates. If you apply the template to the phone or device profile, as described in the “[Overview for Applying a Template to a Specific Configuration Page](#)” section on page 5-4, the phone/device profile subscribes to the Cisco IP Phone services.

**Tip**

Before you perform the following procedure, ensure that the Cisco IP Phone services exist in Cisco CallManager Administration.

To Apply IP Phone Services to a VPT Phone or Device Profile Template

- Step 1** Find the VPT template that you want to update, as described in the “[Finding a VPT Phone or Device Profile Template](#)” section on page 7-1.
- Step 2** After you click the template in the Manage Phone/Profile Template search results page and the record displays, click the **Add IP Phone Service** button.
- The Available IP Phone Service window displays a list of available services that you can apply to the template. If a service does not display, ensure that you added it to the version of Cisco CallManager Administration that supports the phone/device profile product system.
- Step 3** Choose the service to which you want to subscribe the phone/device profile, and click **Subscribe**.
- The Service Parameter window for the Cisco IP Phone Service displays.
- Step 4** After the Service Parameter window displays, enter the following information:
- **Service Display Name**—Enter the name of the service as it will display on the menu of available services in the Cisco IP Phone User Options application. Enter up to 32 characters for the service name. If you want to do so, you can change the service name. If you change the name, it displays in the Subscribed IP Services pane after you click Save in the Service Parameter window.
 - **Service Display Description**—A read-only description explains the purpose of the service. You cannot change this description.
 - **Value for the service parameters** —Default values automatically display in the fields. For information on a parameter, click the Description link.
-  **Tip** The GUI displays an asterisk (*) next to all required service parameters.
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- Step 5** Click the **Save** button in the Service Parameter configuration window.
- Step 6** Save the entire configuration by clicking the **Save** button or clicking **Action > Save**.
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Updating a Subscription in a VPT Phone or Device Profile Template

To update a subscription in a VPT phone or device profile template, perform the following procedure.

To Update a Subscription in a VPT Phone or Device Profile Template

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- Step 1** Find the Cisco Voice Provisioning Tool phone or device profile template that you want to update, as described in the [“Finding a VPT Phone or Device Profile Template”](#) section on page 7-1.
- Step 2** After you click the template in the Manage Phone/Profile Template search results page, click the IP Phone Service name that displays in the Subscribed IP Services pane.
- The Service Parameter window for the chosen service displays.
- Step 3** Update the configuration as follows:
- **Service Display Name**—Enter the name of the service as it will display on the menu of available services in the Cisco IP Phone User Options application. Enter up to 32 characters for the service name. If you change the name, it displays in the Subscribed IP Services pane after you click Save in the Service Parameter window.
 - **Service Display Description**—A read-only description explains the purpose of the service. You cannot change this description.
 - **Value for the service parameters** —Default values automatically display in the fields. For information on a parameter, click the Description link.



Tip The GUI displays an asterisk (*) next to all required service parameters.

- Step 4** Click **Save** in the Service Parameter window.
- Step 5** Save the entire configuration by clicking the **Save** button or clicking **Action > Save**.
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Removing IP Phone Services From a VPT Phone or Device Profile Template

To delete a Cisco IP Phone service from a template, perform the following procedure:

To Remove IP Phone Services From a VPT Phone or Device Profile Template

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- Step 1** Find the Cisco Voice Provisioning Tool phone or device profile template that you want to update, as described in the [“Finding a VPT Phone or Device Profile Template”](#) section on page 7-1.
- Step 2** After you click the template in the Manage Phone/Profile Template search results page and the record displays, scroll to the Subscribed IP Services section on the specific Manage Phone/Profiles configuration page.
- Step 3** Check the check box(es) for the Cisco IP Phone service(s) that you want to remove from the template.
- Step 4** Click the Unsubscribe **Selected IP Phone Service** button.
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Configuring Line Settings for VPT Phone or Device Profile Templates

If you want to do so, you can configure line settings for VPT phone and device profile templates. After the template is applied to the specific configuration record, as described in “[Overview for Applying a Template to a Specific Configuration Page](#)” section on page 5-4, the line settings for the record are updated to match the configuration in the template.

If you modify line settings in the template after you apply the template to the specific configuration record, the record does not change. If you delete the line settings from the template after you apply the template to the specific configuration record, the record does not change.

For phone and device profile templates, you do not configure the extension number or the partition when you configure the line settings. After you apply a template to a phone or device profile, you must configure the extension number or partition on the specific Add or Manage Phone/Profile configuration page.

Unlike phones and device profiles, the Unassign Line button does not display for phone and device profile templates; therefore, you cannot delete the line configuration for a VPT phone or device profile template as you can for a phone or device profile. If you want to remove the line configuration from the template, you must delete the configuration for the settings or change the settings to the default.

For more information on configuring lines for VPT phone or device profile templates, see the following sections:

- [Adding Line Configuration to a VPT Phone or Device Profile Template, page 7-7](#)
- [Updating Line Configuration for a VPT Phone or Device Profile Template, page 7-8](#)

Adding Line Configuration to a VPT Phone or Device Profile Template

To add line configuration to a VPT phone or device profile template, perform the following procedure:

To Add Line Configuration to a VPT Phone or Device Profile Template

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- Step 1** Find the VPT phone or device profile template that you want to update, as described in the “[Finding a VPT Phone or Device Profile Template](#)” section on page 7-1.
 - Step 2** After you click the template in the Manage Phone/Profile Template search results page and the record displays, click the applicable line hyperlink, for example, Line 1 or Line 2.
 - Step 3** To configure line settings for the VPT phone template, see the following sections:
 - [Basic Line Configuration Settings for Phones, page 12-12](#)
 - [Advanced Line Configuration Settings for Phones, page 12-18](#)
 - [Basic Line Configuration Settings for Device Profiles, page 13-5](#)
 - [Advanced Line Configuration Settings for Device Profiles, page 13-13](#)
 - Step 4** After you configure the line configuration, click the **Save** button or choose **Action > Save**.
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Updating Line Configuration for a VPT Phone or Device Profile Template

To update the line configuration for a VPT phone or device profile template, perform the following procedure:

To Update Line Configuration in a VPT Phone or Device Profile Template

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- Step 1** Find the VPT phone or device profile template that you want to update, as described in the “[Finding a VPT Phone or Device Profile Template](#)” section on page 7-1.
- Step 2** After you click the template in the Manage Phone/Profile Template search results page and the record displays, click the applicable line hyperlink.
- Step 3** To configure line settings for the VPT phone template, see the following sections:
- [Basic Line Configuration Settings for Phones, page 12-12](#)
 - [Advanced Line Configuration Settings for Phones, page 12-18](#)
 - [Basic Line Configuration Settings for Device Profiles, page 13-5](#)
 - [Advanced Line Configuration Settings for Device Profiles, page 13-13](#)
- Step 4** After you update the configuration for the line(s), click the **Save** button or choose **Action > Save**.
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Deleting a VPT Phone or Device Profile Template



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To delete the Cisco Voice Provisioning Tool template from a specific Manage Phone/Profile Template configuration page, click the **Delete** button after the template displays.

To delete one or more VPT phone or device profile templates at the same time, perform the following procedure.

To Delete a VPT Phone or Device Profile Template

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- Step 1** Find the VPT template that you want to delete, as described in the “[Finding a VPT Phone or Device Profile Template](#)” section on page 7-1.
- Step 2** In the Manage Phone/Profiles Template search results page, check the check box(es) next to the Template Name link(s).



Tip The Delete button appears disabled until you check the check box(es) next to the Template Name link(s).

- Step 3** Click **Delete Template**.
- Step 4** When the confirmation dialog box displays, click **OK**.
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Applying a VPT Phone or Device Profile Template

For information on applying a VPT phone or device profile template to a specific phone or device profile record, see the [“Overview for Applying a Template to a Specific Configuration Page”](#) section on page 5-4.

Obtaining Information on Phone or Device Profile Template Configuration Settings

For information on device profiles configuration settings, see the following sections:

- [Phone Configuration Settings, page 12-1](#)
- [Device Profile Configuration Settings, page 13-1](#)

