Phone Information and Display Configuration

Phone Information and Display Settings

The phone web user interface allows you to customize settings such as the phone name, background picture, logo, and screen saver.

Configure the Phone Name

Before you begin

Access the phone administration web page. See Access the Phone Web Interface.

Procedure

Step 1	Select **Voice** > **Phone**.
Step 2	Under the **General** section, enter the phone name in the **Station Display Name** or **Station Name** field.

Note   When you configure both names on the phone, the phone only displays the **Station Display Name**.

If you enable XMPP and set **Display XMPP User ID With Top Priority** to **Yes**, the XMPP user ID overrides the configured name.

The priority sequence of displaying on the phone screen is as follows:

XMPP user ID > Station Display Name > Station Name.

This name displays on the phone screen. You can also configure this parameter in the configuration file (cfg.xml) by entering a string in this format:

```
<Station_Display_Name ua="na">Recetion Desk</Station_Display_Name
<Station_Name ua="na">Recetion Desk</Station_Name>
```

Step 3   Under **General**, enter the phone name in the **Station Display Name** field.

This name displays on the phone screen. You can also configure this parameter in the configuration file (cfg.xml) by entering a string in this format:

```
<Station_Display_Name ua="na">Recetion Desk</Station_Display_Name>
```

Step 4   Click **Submit All Changes**.

Customize the Startup Screen

You can create a text or an image logo to display when the Cisco IP Phone boots up. A logo displays during the boot sequence for a short period after the Cisco logo displays.

Before you begin

Access the phone administration web page. See Access the Phone Web Interface.

Procedure

Step 1   Click **Voice** > **User**.

Step 2   In the **Screen** section, select any option from the **Boot Display** field.

- **Default**: Displays a blank screen or existing screen as the startup screen.

- **Download Picture**: Displays a picture as the startup screen. Enter the path in the **Picture Download URL** field.

- **Logo**: Displays a logo as the startup screen. Enter the path in the **Logo URL** field.

- **Text**: Displays a text as the startup screen. Enter text in the **Text Display** field.

You can also configure this parameter in the configuration file (cfg.xml) by entering a string in this format:

```
<Boot_Display ua="na">Logo</Boot_Display>
```

The allowed values are Default|Download Picture|Logo|Text. The default option is Default.

Step 3   To display a picture or a logo, enter the path in the **Picture Download URL** or **Logo URL** field.

For example:

```
http://10.64.84.147/pictures/image04.png
```

When you enter an incorrect URL to download the image, the phone fails to upgrade to the new image and displays the existing image. If the phone does not have any image downloaded earlier, it displays a gray screen.

The logo must be a .jpg or a .png file. The phone has a fixed display area. So, if the original logo size doesn't fit into the display area, you need to scale it to fit the screen. For the Cisco IP Phone 7811, 7821, 7841 and 7861 the logo display area is at the mid-center of the phone screen. The display area size of the Cisco IP Phone 7811 is 48x48. The display area size of the Cisco IP Phone 7821, 7841, and 7861 is 64x64.

The logo must be a .jpg or a .png file. The phone has a fixed display area. So, if the original logo size doesn't fit into the display area, you need to scale it to fit the screen. For the Cisco IP Phone 8800 Series, the logo display area is at the mid-center of the phone screen. The display area size of the Cisco IP Phone 8800 Series is 128x128.

The logo must be a .jpg or a .png file. The phone has a fixed display area. So, if the original logo size doesn't fit into the display area, you need to scale it to fit the screen. The logo display area is at the mid-center of the phone screen. The display area sizes are:

- 6821 and 6861: 48x48 pixels

- 6841 and 6851: 64x64 pixels

- 6871: 74x40 pixels

You can also configure this parameter in the configuration file (cfg.xml) by entering a string in this format:

```
<Picture_Download_URL
ua="na">http://10.64.84.147/pictures/bootimage1.jpg</Picture_Download_URL>

<Logo_URL ua="na">http://10.64.84.147/pictures/logo_image.jpg</Logo_URL>
```

Step 4   To display text at bootup, enter the text to display in the **Text Display** field following the requirements:

- Enter up to two lines of text with less than 32 characters for each line.

- Insert a new line character (\n) and escape code (%0a) between the two lines.

  For example,

  ```
  Super\n%0aTelecom
  ```

  displays:

  ```
   Super
  Telecom
  ```

- Use the + character to add spaces for formatting. You can add multiple + characters before and after the text to center it.

You can also configure this parameter in the configuration file (cfg.xml) by entering a string in this format:

```
<Text_Display ua="na">Super\n%0aTelecom</Text_Display>
```

Step 5   Click **Submit All Changes.**

The phone reboots, retrieves the image file, and displays the picture, logo, or text when it boots next time.

Customize Wallpaper for the Phone Display

You can set the phone to display a custom logo or picture as the background on the phone screen.

The maximum file size of wallpaper that you can add is 625k bytes.

Procedure

Step 1 On the phone web interface, select **Voice** > **User**.

User can also change the wallpaper in the phone web interface.

Step 2 In the **Screen** section, choose one of the options for the **Phone Background** field:

- **Default**—Keeps the system default background.

- **Download Picture**—Displays a picture downloaded from a TFTP, FTP, or HTTPS server. When select this option, enter the URL for the picture in the **Picture Download URL** field.

  Only Cisco IP Phone 6871 Multiplatform Phones support displaying custom picture as the background.

- **Logo**—Displays a logo downloaded from a TFTP, FTP, or HTTPS server. When select this option, enter the URL for the logo image in the **Logo URL** field.

You can also configure this parameter in the configuration file (cfg.xml) by entering a string in this format:

```
<Phone_Background ua="na">Logo</Phone_Background>
```

Step 3 Upload the custom wallpaper to a TFTP, HTTP, or HTTPS server.

The image is a .jpg or .png file. Preferred dimension is 800x480 pixels. If the image is not the preferred size, user still can upload it but it will resize to fit the screen.

The image is a .jpg or .png file. Preferred dimension is 480x272 pixels for Cisco IP Phone 6871. If the image is not the preferred size, user still can upload it but it will resize to fit the screen.

Step 4 In the **Picture Download URL** field, enter the path where the wallpaper image has been uploaded.

The URL must include the TFTP, HTTP, or HTTPS server name (or IP address), directory, and file name. Don't exceed 255 characters for the URL.

Example:

```
http://10.64.84.147/pictures/image04.jpg
```

When you enter an incorrect URL to download a new wallpaper, the phone fails to upgrade to the new wallpaper and displays the existing downloaded wallpaper. If the phone does not have any wallpaper downloaded earlier, it displays a gray screen.

You can also configure this parameter in the configuration file (cfg.xml) by entering a string in this format:

```
<Picture_Download_URL ua="na">http://10.64.84.147/pictures/image04.jpg</Picture_Download_URL>
```

Step 5 Upload the logo image to a TFTP, HTTP, or HTTPS server.

The logo must be a .jpg or a .png file. The phone has a fixed display area. So, if the original logo size doesn't fit into the display area, you need to scale it to fit the screen. For the Cisco IP Phone 7811, 7821, 7841 and

7861 the logo display area is at the mid-center of the phone screen. The display area size of the Cisco IP Phone 7811 is 48x48. The display area size of the Cisco IP Phone 7821, 7841, and 7861 is 64x64.

The logo must be a .jpg or a .png file. The phone has a fixed display area. So, if the original logo size doesn't fit into the display area, you need to scale it to fit the screen. For the Cisco IP Phone 8800 Series, the logo display area is at the mid-center of the phone screen. The display area size of the Cisco IP Phone 8800 Series is 128x128.

The logo must be a .jpg or a .png file. The phone has a fixed display area. So, if the original logo size doesn't fit into the display area, you need to scale it to fit the screen. The logo display area is at the mid-center of the phone screen. The display area sizes are:

- 6821 and 6861: 48x48 pixels

- 6841 and 6851: 64x64 pixels

- 6871: 74x40 pixels

Step 6   In the **Logo URL** field, enter the path where the logo image has been uploaded.

The URL must include the TFTP, HTTP, or HTTPS server name (or IP address), directory, and file name. Don't exceed 255 characters for the URL.

Example:

```
http://10.64.84.147/pictures/logo_image.jpg
```

When you enter an incorrect URL to download a new logo, the phone fails to upgrade to the newer logo and displays the existing downloaded logo. If the phone does not have any logo downloaded earlier, it displays a gray screen.

You can also configure this parameter in the configuration file (cfg.xml) by entering a string in this format:

```
<Logo_URL ua="na">http://10.64.84.147/pictures/logo_image.jpg</Logo_URL>
```

Step 7   Click **Submit All Changes**.

The phone reboots after you change the background image URL.

Configure the Screen Saver with the Phone Web Interface

You can configure a screen saver for the phone. When the phone is idle for a specified time, it enters screen saver mode.

Any button press returns the phone to normal mode.

You can also configure the parameters in the phone configuration file with XML (cfg.xml) code. To configure each parameter, see the syntax of the string in Parameters for Screen Saver, on page 6.

Before you begin

Access the phone administration web interface. See Access the Phone Web Interface.

Procedure

Step 1   On the phone web page, select **Voice** > **User**.

         The user can select **User Login** > **Voice** > **User** to add screen saver to the phone.

Step 2   In the **Screen** section, set up the fields as described in .

Step 3   Click **Submit All Changes**.

Parameters for Screen Saver

The following table defines the function and usage of the screen saver parameters in the **Screen** section under the**Voice**> **User** tab in the phone web interface. It also definesthe syntax of the stringthat is added in thephone configuration file (cfg.xml) with XML code to configure a parameter.

Table 1: Parameters for Screen Saver

Parameter	Description

Screen Saver Enable	Select **Yes** to enable a screen saver on the phone. When the phone is idle for a specif
	
	Perform one of the following:
	
	    • In the phone configuration file with XML(cfg.xml), enter a string in this format
	
	       `<Screen_Saver_Enable ua="rw">Yes</Screen_Saver_Enable>`
	
	    • In the phone web interface, set this field to **Yes** to enable screen saver.
	
	Allowed values: Yes|No
	
	Default: No

Screen Saver Type	Types of screen saver. Options you can choose:
	
	    • **Clock**—Displays a digital clock on a plain background.
	
	    • **Download Picture**—Displays a picture pushed from the phone webpage. Enter
	
	    • **Logo**: Displays a logo on the phone screen. Add a logo image in the **Logo URL**
	
	Perform one of the following:
	
	    • In the phone configuration file with XML(cfg.xml), enter a string in this format
	
	       `<Screen_Saver_Type ua="rw">Clock</Screen_Saver_Type>`
	
	    • In the phone web interface, select a screen saver.
	
	Allowed values: Clock|Download Picture|Logo
	
	Default: Clock

Parameter	Description
Screen Saver Wait	Amount of idle time before screen saver displays. Enter the number of seconds of idle time to elapse before the screen saver starts. Perform one of the following: • In the phone configuration file with XML(cfg.xml), enter a string in this for `<Screen_Saver_Wait ua="rw">300</Screen_Saver_Wait>` • In the phone web interface, set the time in seconds. Allowed values: An integer from 30 through 65000 Default: 300
Picture Download URL	URL locating the (.png) file to display on the phone screen background. The ima or at bootup depending on the settings of the **Phone Background**, **Screen Saver** When you enter an incorrect URL to download a new image, the phone fails to up image. If the phone does not have any image downloaded earlier, it displays a gr Perform one of the following: • In the phone configuration file with XML(cfg.xml), enter a string in this for `<Picture_Download_URL ua="rw">http://10.74.3.52/images/screensa` • In the phone web interface, specify the URL where the picture is located. Allowed values: A valid URL not exceeding 255 characters Default: Empty
Logo URL	Enter a URL or path for the location where the logo image is saved. The logo im or at bootup depending on the settings of the **Screen Saver Type**, **Boot Display**, Perform one of the following: • In the phone configuration file with XML(cfg.xml), enter a string in this for `<Logo_URL ua="rw">http://10.74.3.52/images/Logo1.png</Logo_URL>` • In the phone web interface, specify the URL where the logo image is locate Allowed values: A valid URL not exceeding 255 characters Default: Empty

Adjust Backlight Timer from the Phone Web Interface

You can save energy by disabling the backlight on each phone at a preset time. The phone desktop remains visible, even with the backlight off.

Procedure

Step 1	Select **Voice** > **User**.
Step 2	In the **Screen** section, select a duration for the **Back Light Timer** parameter.

You can also configure this parameter in the configuration file (cfg.xml) by entering a string in this format:

```
<Back_Light_Timer ua="rw">30s</Back_Light_Timer>
```

The allowed values are Off|10s|20s|30s|Always On. The default value is 30s (30 seconds).

- For 6821, 6841, 6851, and 6861: The allowed values are Off|10s|20s|30s|Always On. The default value is 30s (30 seconds).

- For 6871: The allowed values are 1m|5m|30m|Always On. The default value is 5m (5 minutes).

The allowed values are 1m|5m|30m|Always On. The default value is 5m (5 minutes).

Step 3 In the **Display Brightness** field, enter an integer ranging from 4 to 15 for the desired brightness.

You can also configure this parameter in the configuration file (cfg.xml) by entering a string in this format:

```
<Display_Brightness ua="rw">15</Display_Brightness>
```

The allowed value is an integer ranging from 4 through 15. The bigger the value, the brighter the screen display. The default value is 15.

Step 4 Click **Submit All Changes**.

Customize the Product Configuration Version

You can customize the configuration version of the product in the phone configuration file (cfg.xml). After the change takes effect, the user can view the configuration version of the product information on the phone.

Procedure

Step 1 Edit the phone configuration file (cfg.xml) in a text or XML editor.

Step 2 Add a value for the element `<Device_Config_Version>` in the cfg.xml file.

For example:

```
<Device_Config_Version ua="na">2021-01-05-v1</Device_Config_Version>
```

Default: Empty

Value range: 0 to 64 characters

If the tag doesn't exist in the cfg.xml file or the parameter value is empty, then the **Configuration version** menu item doesn't display on the phone screen **Product information**.

Note If the length of the assigned characters exceeds the width of the phone screen, the exceeded characters are truncated and represented as an ellipsis (...) on the phone screen.

| Note | For the Cisco IP Phone 6871, if the length of the assigned characters exceeds the width of the phone screen, the exceeded characters are truncated and represented as an ellipsis (...) on the phone screen. |

Step 3 Save the changes to the cfg.xml file.

Keep Focus on the Active Call

You can configure the phone to ensure that the active call is still in focus when the user has an incoming call.

By default, the focus on the phone screen automatically moves from the active call to the incoming call. However, you can configure the phone to ensure that the active call always remains in focus, even when the user has an incoming call.

The focus still moves to an incoming call in the following situations:

- The user places an active call on hold and then receives one or more incoming calls, the focus automatically moves to the first incoming call.

- The user is on an active call and receives one or more incoming calls, if the user places the active call on hold, then the focus automatically moves to the first incoming call.

Before you begin

Access the phone administration web page. See Access the Phone Web Interface.

Procedure

Step 1 Select **Voice** > **User**.

Step 2 In the **Supplementary Services** section, set the parameter **Keep Focus On Active Call** to **Yes**.

You can also configure this parameter in the configuration file:

```
<Keep_Focus_On_Active_Call ua="na">Yes</Keep_Focus_On_Active_Call>
```

Allowed values: Yes and No

Default: No

Step 3 Click **Submit All Changes**.

Enable Inline Call Label or Session (8800 only)

You can enable inline call label feature to automatically minimize the active call window and view the call session information, such as caller or the callee name, number, call duration, call state, and any special icons like secure call, call recording, etc. in the line label itself. This lets you to view status of various other lines, BLF/SD features, along with the current call information.

Before you begin

- Access the phone administration web page. See Access the Phone Web Interface.

Procedure

Step 1 Select **Voice** > **User**.

Step 2 Select **Yes** for the parameter **Auto Collapse Into Line Key**.

To disable the feature, select **No**.

You can also configure this parameter in the phone configuration XML file (cfg.xml) by entering a string in this format:

```
<Auto_Collapse_Into_Line_Key ua="rw">Yes</Auto_Collapse_Into_Line_Key>
```

Default: **No**.

If the **Auto Collapse Into Line Key** feature is enabled, the call info screen will be closed once the call is answered.

Step 3 Click **Submit All Changes**.

Report Headset Inventory

You can configure a phone to report the connected or disconnected peripheral information to the server. The peripherals that the Cisco IP Phone Multiplatform Phones support are Key Expansion Module (KEM) and Cisco headset.

The supported Cisco headsets are Cisco Headset 500 Series and Cisco Headset 700 Series.

Before you begin

- Access the phone administration web page. See Access the Phone Web Interface.

Procedure

Step 1 Select **Voice** > **SIP**.

Step 2 In the **Peripheral** section, set the **Peripheral Inventory Enable** parameter to **Yes**.

You can configure this parameter in the phone configuration XML file (cfg.xml) by entering a string in this format:

```
<Peripheral_Inventory_Enable ua="na">No</Peripheral_Inventory_Enable>
```

When the parameter is set to **Yes**, the peripheral inventory headers are included in the SIP Register message. When set to **No**, the headers are not included in the SIP message. Default value of the parameter is **No**.

When one peripheral is connected or disconnected to the phone, next scheduled Register provides the peripheral information in the Peripheral-Data header. All subsequent Registers do not carry peripheral information. The

Peripheral-Data header is included for each peripheral, for example, if there are two headsets present, the header appears twice.

Step 3 Click **Submit All Changes**.

Upgrade Headset using Configuration File (Cisco Headset 320 only)

You can add the firmware version to the headset using phone configuration file.

Before you begin

Access the phone administration web page. See Access the Phone Web Interface.

Procedure

Step 1 Select **Voice** > **Provisioning**.

Step 2 Under the **Cisco Headset Firmware Upgrade** section, enter the configuration file name in the **Cisco Headset Upgrade Rule** parameter.

For example: **<upgrade protocol>://<upgrade server ip address>[:<port>]>/<path>/<file name>.xml**

HTTP, HTTPS, and TFTP are supported.

Step 3 Click **Submit All Changes**.

Upgrade Headset using Configuration File (Cisco Headset 320 only)