



Bulk Deployment of Polycom[®] RealPresence Trio[™]
Collaboration System, Polycom[®] SoundStation[®] IP and
Polycom[®] SoundStation[®] Duo Conference Phones with
Cisco[®] Unified Communications Manager (CUCM)

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About This Guide

This guide uses a number of conventions that help you to understand information and perform tasks.






Conventions Used in this Guide

This guide contains terms, graphical elements, and a few typographic conventions. Familiarizing yourself with these terms, elements, and conventions will help you successfully perform tasks.

Information Elements

This guide may include any of the following icons to alert you to important information.

Icons Used in this Guide

<i>Name</i>	<i>Icon</i>	<i>Description</i>
Note		The Note icon highlights information of interest or important information needed to be successful in accomplishing a procedure or to understand a concept.
Important		Important highlights information of interest or important information needed to be successful in accomplishing a procedure or to understand a concept.
Caution		The Caution icon highlights information you need to know to avoid a hazard that could potentially impact device performance, application functionality, or successful feature configuration.
Warning		The Warning icon highlights an action you must perform (or avoid) to prevent issues that may cause you to lose information or your configuration setup, and/or affect phone, video, or network performance.
Web Info		The Web Info icon highlights supplementary information available online such as documents or downloads on support.polycom.com or other locations.

Typographic Conventions

Typographic conventions distinguish types of in-text information.

Typographic Conventions

<i>Convention</i>	<i>Description</i>
Bold	Highlights interface items such as menus, soft keys, file names, and directories. Also used to represent menu selections and text entry to the phone.

<i>Convention</i>	<i>Description</i>
<i>Italics</i>	Used to emphasize text, to show example values or inputs, and to show titles of reference documents available from the Polycom Support Web site and other reference sites.
Blue Text	Used for cross references to other sections within this document and for hyperlinks to external sites and documents.
<code>Courier</code>	Used for code fragments, parameter names and values, and example values.

Get Started

This guide shows you how to use Cisco® Unified Communications Manager (CUCM) system to deploy multiple Polycom® RealPresence Trio™ 8800 systems, Polycom® SoundStation® Duo conference phones and Polycom® SoundStation® IP conference phones, including the 5000, 6000, and 7000 conference phones. When deploying Polycom devices with CUCM, you need to identify Polycom devices as third-party SIP endpoints in CUCM.

This guide shows you how to deploy Polycom devices as third-party SIP endpoints in CUCM version 8.6.x, 9.1.x, and 10.5 environment or later. The instructions and illustrations used in this guide refer to CUCM version 8.6. Note that CUCM environments vary and this guide does not account for a particular CUCM environment.



Web Info: Setting up Polycom SoundStation Phones with CUCM

For information on setting up Polycom SoundStation IP and SoundStation Duo conference phones with CUCM, see *Deploying Polycom® RealPresence Trio™ Collaboration Systems, SoundStation® IP and SoundStation® Duo Conference Phones with Cisco® Unified Communications Manager (CUCM)* on Polycom [Voice Support](#).

The following figures illustrate Polycom phones you can deploy as third-party devices with CUCM.

Polycom Conference Phones with CUCM

RealPresence Trio 8800



SoundStation IP 5000



SoundStation IP 6000



SoundStation 7000



SoundStation Duo



Before You Begin

Before deploying RealPresence Trio, SoundStation IP, and SoundStation Duo devices (hereafter referred to as 'Polycom IP conference phones') as third-party SIP devices with CUCM, ensure that you obtain the proper licenses. For information on features and licenses, refer to [Calculate CUCM License Units](#).

Current Licensing As of CUCM 8.0 and 7.1.5, each Polycom IP conference phone connected to CUCM requires one Unified Workspace Licensing (UWL) Standard, or one User Connected Licensing (UCL) Enhanced. You do not require Device User Licenses (DULs). Contact your Cisco representative to clarify your licensing questions.

Legacy Licensing When using a CUCM version prior to 8.0 or 7.1.5, each Polycom endpoint using basic features that you connect to CUCM as a third-party SIP endpoint requires up to three Device License Unit (DLUs). Each Polycom endpoint using advanced features such as video or multiple lines requires six DLUs.



Settings: Use G.722 code with Polycom IP conference phones.

For best audio experience on your Polycom IP conference phones use codec G.722.

Frequently Asked Questions

Refer to the frequently asked questions (FAQs) to help answer questions you may have about the solution before you begin.

What versions of CUCM are tested and supported?

Polycom has tested and verified RealPresence Trio 8800, SoundStation Duo, and SoundStation IP conference phones with CUCM versions 8.6.x, 9.1.x, and 10.5. Polycom has not tested or verified Polycom endpoints with any other Cisco call-control platforms including Cisco Unified Communications Manager Express or Cisco Business Edition 6000.

What models of Polycom IP conference phones are compatible with CUCM?

- Polycom SoundStation IP 5000, 6000, 7000
- SoundStation Duo running UC Software version 4.0.4 or later
- RealPresence Trio 8800 running UC Software 5.4.0 or higher

What calling features do CUCM versions 8.6.x, 9.1.x and 10.5 support or not support?

For calling features supported and not supported by CUCM 8.6.x, 9.1.x and 10.5, refer to [Calculate CUCM License Units](#).

Do Polycom IP conference phones support Cisco Skinny Client Control Protocol (SCCP)?

Polycom IP conference phones do not use Cisco's proprietary SCCP. Polycom IP conference phones are compliant with Internet Engineering Task Force (IETF) [RFC 3261](#), [SIP: Session Initiation Protocol](#) and can be used with CUCM as third-party SIP devices.

Are there additional fees or licenses required on the Cisco platform?

There are no additional fees for third-party SIP devices on CUCM versions supported by Polycom. For additional information see [Calculate CUCM License Units](#).

Does Polycom provide technical documentation showing how to configure Polycom IP conference phones with Cisco Unified Communications Manager (CUCM)?

Yes, Polycom provides technical documentation that shows you how to configure Polycom IP conference phones as third-party SIP devices with CUCM in *Deploying Polycom® RealPresence Trio™, SoundStation® IP Conference Phones with Cisco® Unified Communications Manager (CUCM)* on Polycom [Voice Support](#).

Get Help

Polycom IP phones are compliant with Internet Engineering Task Force (IETF) and RFC 3261.

For instructions on configuring Polycom IP conference phones as third-party SIP devices with CUCM, see *Deploying Polycom® RealPresence Trio™ Collaboration Systems, SoundStation® IP and SoundStation® Duo Conference Phones with Cisco® Unified Communications Manager (CUCM)* for your product page at Polycom [Voice Support](#).

For more information on deploying Polycom products in Cisco environments, see [Polycom Unified Communications with Cisco](#).

For more information about using Cisco Unified Communications Manager to deploy and provision Polycom conference phones as third-party endpoints refer to Cisco's online documentation on Cisco's support site.

For information on all Polycom global strategic partner solutions, see [Polycom Global Strategic Partner Solutions](#).

The Polycom Community

[The Polycom Community](#) gives you access to the latest developer and support information. Participate in discussion forums to share ideas and solve problems with your colleagues. To register with the Polycom Community, create a Polycom online account. When logged in, you can access Polycom support personnel and participate in developer and support forums to find the latest information on hardware, software, and partner solutions topics.

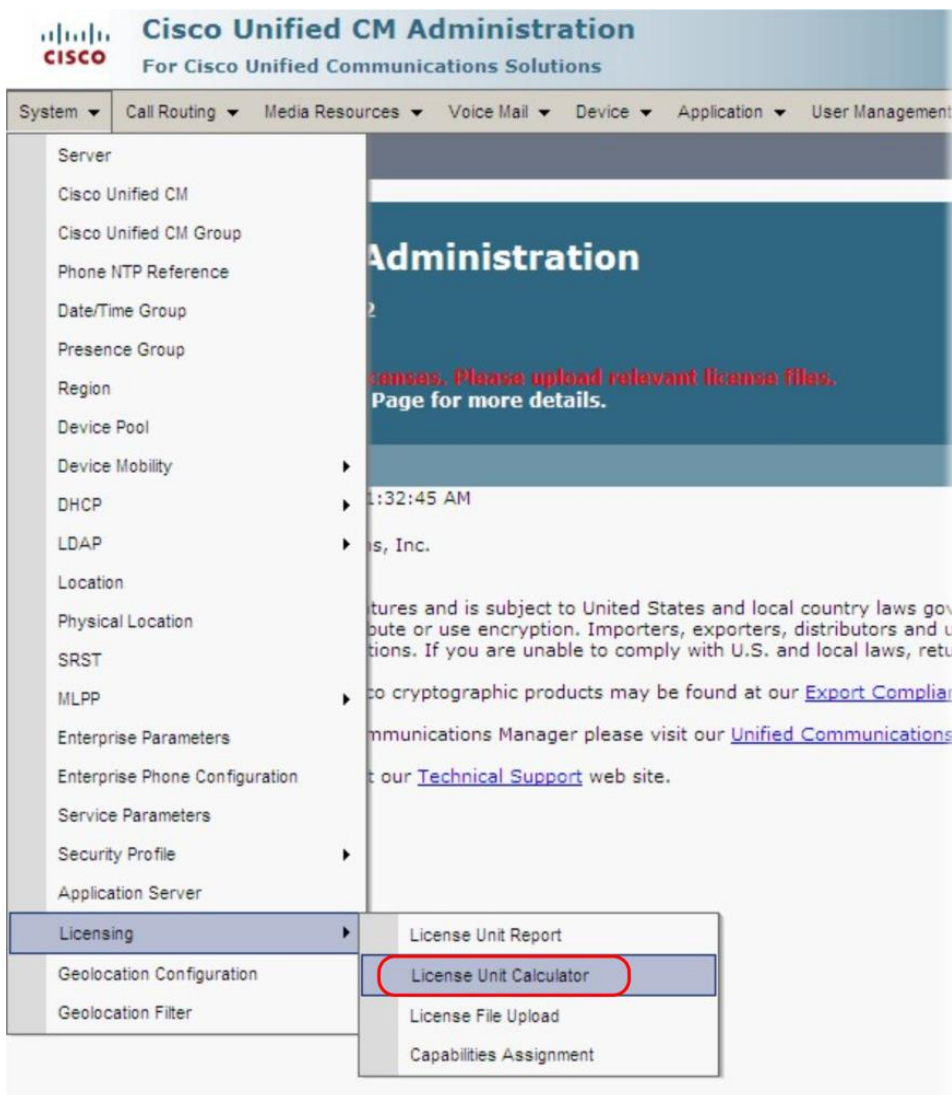
Calculate CUCM License Units

To register Polycom VoIP devices as third-party SIP devices with Cisco Unified Communications Manager, you need to obtain a certain number of license units. This section shows you how to use CUCM to calculate the number of license units you require.

Each Polycom device you add as a third-party SIP device in CUCM takes up three device license units (DLUs). If you require multiple lines, you can add devices as advanced third-party SIP devices in CUCM. Be aware that devices you enter as advanced in CUCM consume six DLUs.


To calculate your required license units:

- 1 On the CUCM Administration page, go to **System > Licensing > License Unit Calculator**.



- 2 Scroll down to the **Third-Party SIP Device (Basic)** field. In the right-hand column, enter the number of third-party devices you want to register with CUCM, and press **Calculate**. The number of phone license units you require displays in the field **Total Phone License Units Needed**.

Cisco Unified Presence Server End User Feature License	1	0	0	0	<input type="text" value="0"/>
Cisco VGC Phone	0	0	0	0	<input type="text" value="0"/>
Cisco VGC Virtual Phone	0	0	0	0	<input type="text" value="0"/>
H.323 Client	2	0	0	0	<input type="text" value="0"/>
IP-STE	6	0	0	0	<input type="text" value="0"/>
Mobility Enabled End Users	4	0	0	0	<input type="text" value="0"/>
Mobility Enabled End Users (Adjunct)	2	0	0	0	<input type="text" value="0"/>
Other Phone	5	0	0	0	<input type="text" value="0"/>
Third-party SIP Device (Advanced)	6	0	0	0	<input type="text" value="0"/>
Third-party SIP Device (Basic)	3	1	3	0	<input type="text" value="123"/>
Transnova S3	4	0	0	0	<input type="text" value="0"/>
Total Phone License Units Used:				3	Total Phone License Units Needed: <input type="text" value="369"/>

 *- indicates required item.

Use the Bulk Administration Tool

The Cisco Unified Communications Manager (CUCM) Bulk Administration Tool (BAT) enables you to add, update, or delete large numbers of devices and user accounts at the same time. To begin using BAT, you need to activate the bulk provisioning service from Cisco Unified Serviceability. This section shows you how to activate the bulk provision service, modify the `bat.xmlt` file, and save and upload your modified file to CUCM.

Activate the Bulk Provisioning Service

First, activate the bulk provisioning service.

To activate the bulk provision service:

- 1 From the CUCM administrator page, log on to Cisco Unified Serviceability.



- 2 In the **Tools** menu choose **Service Activation**.



- 3 On the **Database and Admin Services** page, under **Service Name**, select the server you want to enable the Cisco Bulk Provisioning Service with and click **Save**. The activation status changes to Activated.

Database and Admin Services

	Service Name	Activation Status
<input type="checkbox"/>	Platform SOAP Services	Deactivated
<input type="checkbox"/>	Cisco AXL Web Service	Deactivated
<input type="checkbox"/>	Cisco UXL Web Service	Deactivated
<input checked="" type="checkbox"/>	Cisco Bulk Provisioning Service	Activated
<input type="checkbox"/>	Cisco TAPS Service	Deactivated

Performance and Monitoring Services

	Service Name	Activation Status
<input type="checkbox"/>	Cisco Serviceability Reporter	Deactivated
<input type="checkbox"/>	Cisco CallManager SNMP Service	Deactivated

Security Services

	Service Name	Activation Status
<input type="checkbox"/>	Cisco CTL Provider	Deactivated
<input type="checkbox"/>	Cisco Certificate Authority Proxy Function	Deactivated

Directory Services

	Service Name	Activation Status
<input type="checkbox"/>	Cisco DirSync	Deactivated

2

- 4 On the Cisco Unified CM Administration page, go to **Bulk Administration > Upload/Download Files**.

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

System version: 8.6.2.22900-9

Licensing Warnings:
System is operating on Demo licenses. Please upload relevant license files.
Please visit the License Report Page for more details.

VMware Installation: 1 vCPU Intel(R) Xeon(R) CPU E5-2690 0 @ 2.90GHz, disk 1: 55Gbytes, 30

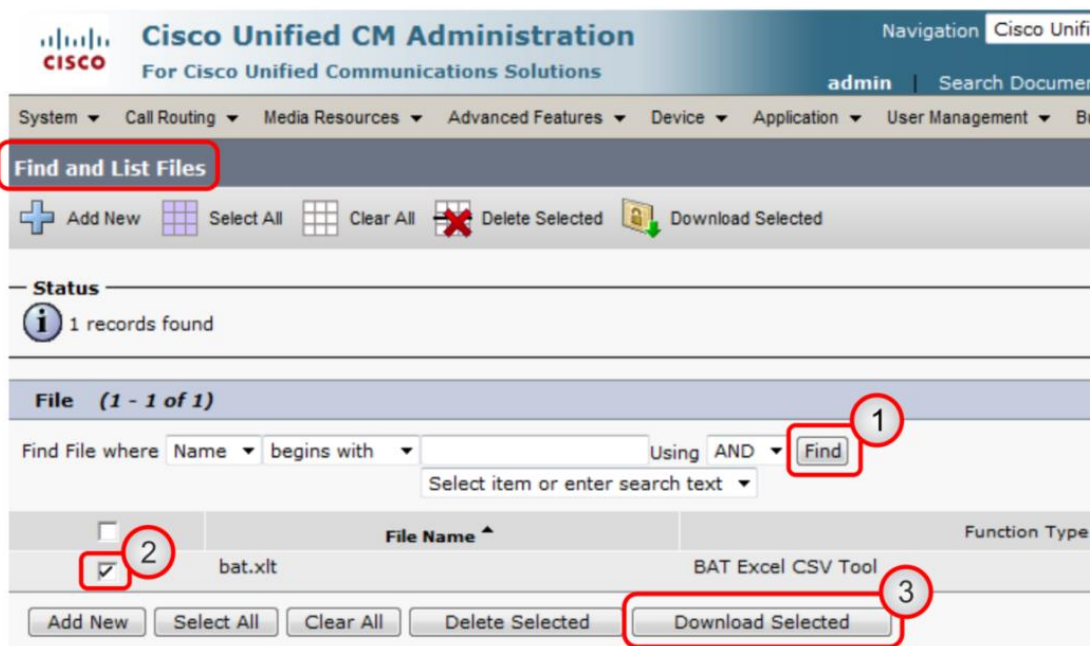
Navigation: admin | Search

System ▾ Call Routing ▾ Media Resources ▾ Advanced Features ▾ Device ▾ Application ▾ User Management ▾ Bulk Administration ▾ Help ▾

Upload/Download Files

- Phones
- Users
- Phones & Users
- Managers/Assistants
- User Device Profiles
- Gateways
- Forced Authorization Codes
- Client Matter Codes

- 5 On the **Find and List Files** page, click **Find**, select **bat.xlt** from the list, and click **Download Selected**, as shown next.



- 6 Save the file on your computer.

Next, modify the bat.xlt file.

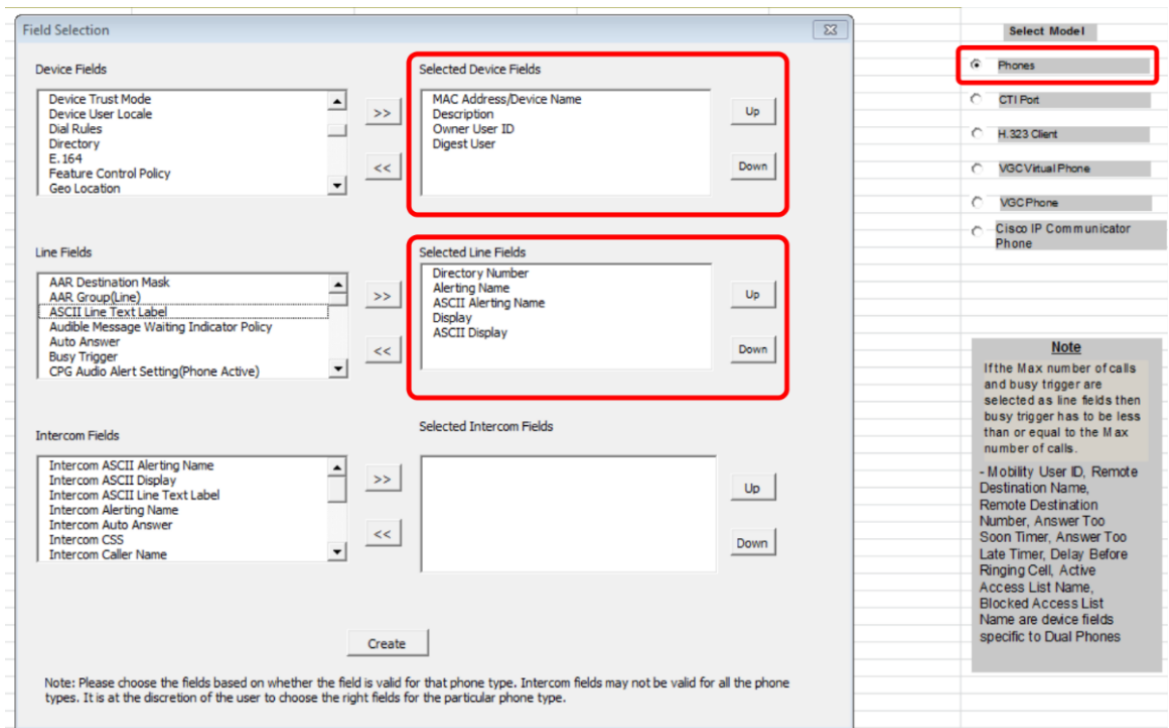
Modify the bat.xlt File

Complete the steps in this section to correctly modify the bat.xlt file.

To modify bat.xlt:

- 1 Open the bat.xlt spreadsheet you saved on your computer. When the security dialog displays, choose **Enable Editing**, and **Enable Content/Macros**.
- 2 At the bottom of the spreadsheet, click **Phones-Users** tab.
- 3 Under **Select Model** choose **Phone** and click **Create File Title**.

A Field Selection dialog displays, shown next.



4 Add **Owner User ID** and **Digest User** to **Selected Device Fields** by choosing the item in the **Device Fields** list and clicking on the >> arrow buttons to move each item to **Selected Device Fields**.

5 Add the following items from **Line Fields** to **Selected Line Fields**:

- Directory Number
- Alerting Name
- ASCII Alerting Name
- Display
- ASCII Display

6 Click on **Create** and **Yes** to save your changes.

It is not necessary to complete every field but you must complete the following mandatory fields. You can enter as many users as you need by entering each user on a separate row.

- **Last Name** Arbitrary, used to identify the user, for example, PolycomSSIP.
- **User ID** User account ID associated with this Polycom phone, for example, confm108.
- **Password** Required field for CUCM, but not used for Polycom phone registration.
- **PIN** Required field for CUCM, but not used for Polycom phone registration.
- **Digest Credential** Required field for CUCM, and used as the authentication password for Polycom phone registration.

- **MAC Address/Device Name** Arbitrary. CUCM does not use MAC addresses to identify third-party devices. However, Polycom recommends using the device MAC address as a unique identifier.
- **Owner User ID** User ID of the assigned phone user, for example, 9998.
- **Digest User** Must match the User ID created above, for example, confirm108.
- **Directory Number 1** Numeric extension assigned to this phone, for example, 4100041.
- **Alerting Name 1** Displays when a SIP device rings another device. Once connected the Display1 is shown.
- **Alerting Name ASCII 1** Displays the same as Alerting Name in ASCII characters.
- **Display 1** If blank the system will display the extension.
- **ASCII Display 1** Displays the same as Display1.

Save and Uploaded the Modified bat.xlt File

After you [modify the bat.xlt file](#), save and upload the file to CUCM as shown next.

To save and upload the bat.xlt file:

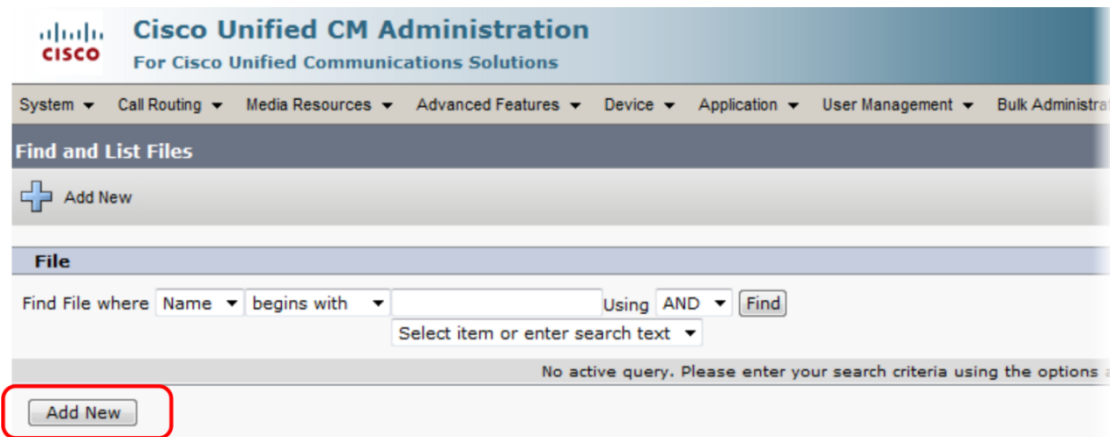
- 1 Click on **Export to BAT Format** and save the file to your computer. By default, the BAT file you created with the .txt file type exports to a CSV file.

AF	AG	AH
ASCII Display 1 (String [30] OPTIONAL)	Create File Format	Export to BAT Format
	Select Model	<input type="checkbox"/> Dummy MAC Address
	Phones	Maximum Number of Phone Lines: 1

- 2 On the Cisco Unified CM Administration Page, go to **Bulk Administration > Upload/Download File**.

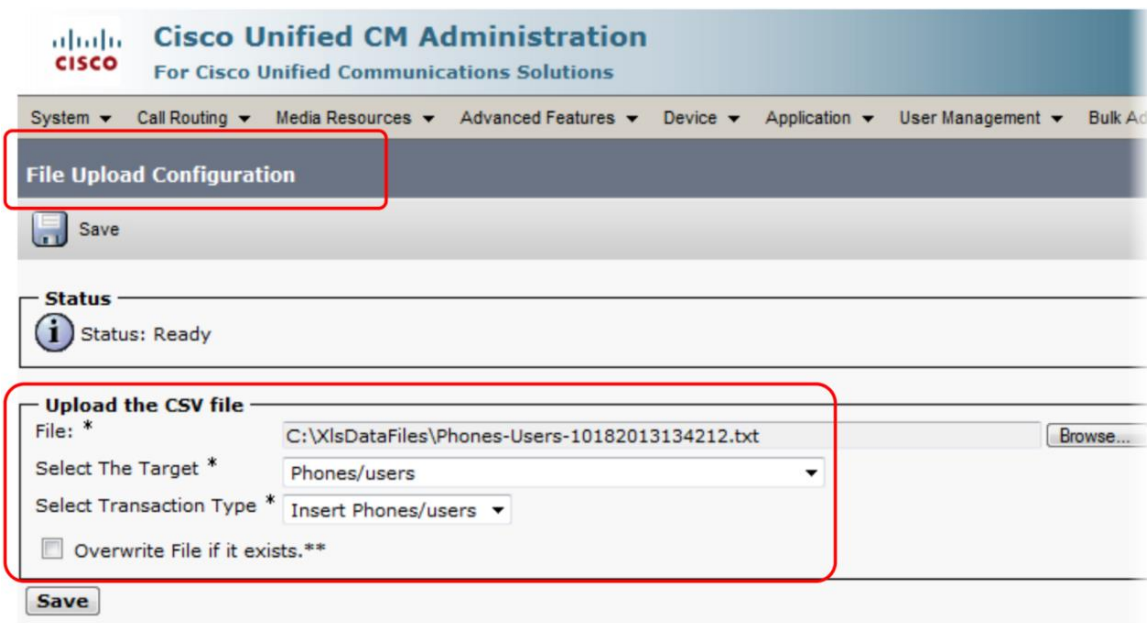
The **Find and List Files** page displays your new or updated user information.

- 3 On the **Find and List Files** page, select **Add New**.



- 4 On the **File Upload Configuration** page, browse to the BAT file with .txt file type you created, set **Select The Target** to **Phones/users**, set **Select Transaction Type** to **Insert Phones/users**, and click **Save**.

The .txt file in this example uses the file name 'Phones-Users-10182013134212.txt'.



- 5 Verify that your file is uploaded on the CUCM server by going to **Bulk Administration > Upload/Download Files** and clicking on **Find**. The file you uploaded displays along with the `bat.xlt` file.

The screenshot shows the Cisco Unified CM Administration interface. The top navigation bar includes the Cisco logo and the text "Cisco Unified CM Administration For Cisco Unified Communications Solutions". The user is logged in as "admin". The main menu includes System, Call Routing, Media Resources, Advanced Features, Device, Application, User Management, and Bulk Administration. The "Bulk Administration" menu is expanded, showing "Find and List Files".

Below the navigation bar, there are several action buttons: "Add New", "Select All", "Clear All", "Delete Selected", and "Download Selected".

The "Status" section indicates "2 records found".

The "File (1 - 2 of 2)" section shows a search filter: "Find File where Name begins with [] Using AND Find". Below the search filter is a table of files:

<input type="checkbox"/>	File Name ^	Function T
<input type="checkbox"/>	Phones-Users-10182013134212.txt	Insert Phones/users
<input type="checkbox"/>	bat.xlt	BAT Excel CSV Tool

At the bottom of the table, there are buttons for "Add New", "Select All", "Clear All", "Delete Selected", and "Download Selected".

Create Phone Security

This section shows you how to create phone security on CUCM for third-party devices that require digest authentication. To create phone security, you must complete the following tasks:

- [Create a Security Profile](#)
- [Create a Phone Template](#)
- [Create a New Directory Number](#)
- [Create a User's Template](#)

Create a Security Profile

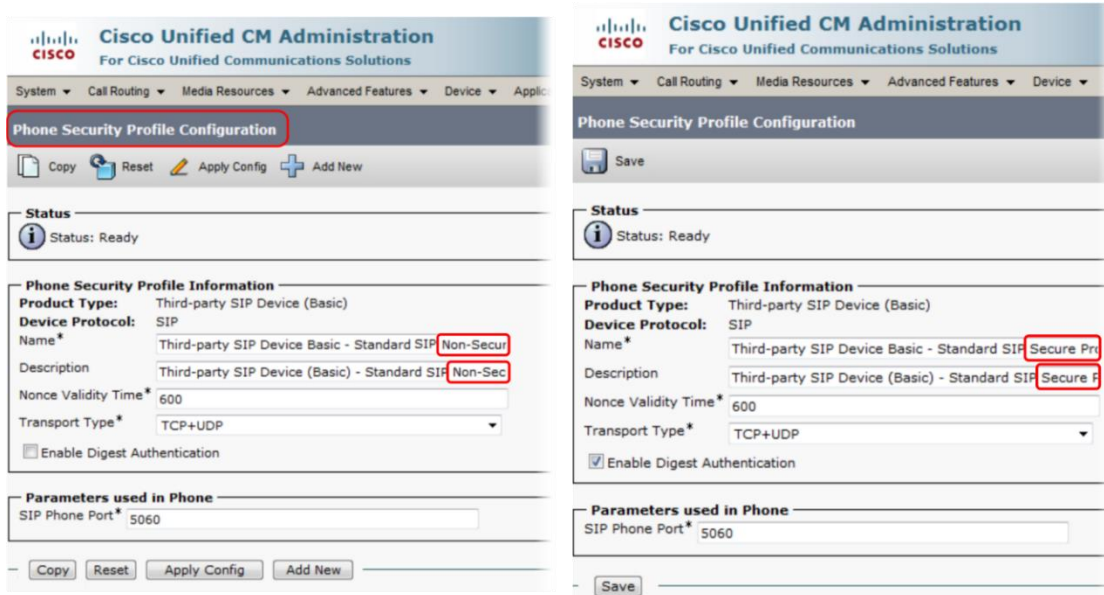
Complete the following steps to create a security profile.

To create phone security profile:

- 1 On the **CUCM Administration** page, go to **System > Security > Phone Security Profile** and select **Find**.
- 2 From the list, select **Third-party SIP Device Basic - Standard SIP Non-Secure Profile**.
- 3 On the **Phone Security Profile Configuration** page, select **Copy**.

The screenshot displays the Cisco Unified CM Administration interface for the 'Phone Security Profile Configuration' page. The page title is 'Cisco Unified CM Administration For Cisco Unified Communications Solutions'. The navigation menu includes 'System', 'Call Routing', 'Media Resources', 'Advanced Features', 'Device', and 'Applications'. The 'Phone Security Profile Configuration' tab is selected and highlighted with a red box. Below the navigation bar, there are icons for 'Copy', 'Reset', 'Apply Config', and 'Add New'. The main content area is divided into sections: 'Status' (Status: Ready), 'Phone Security Profile Information' (Product Type: Third-party SIP Device (Basic), Device Protocol: SIP, Name: Third-party SIP Device Basic - Standard SIP Non-Secure, Description: Third-party SIP Device (Basic) - Standard SIP Non-Secure, Nonce Validity Time: 600, Transport Type: TCP+UDP, and an unchecked checkbox for 'Enable Digest Authentication'), and 'Parameters used in Phone' (SIP Phone Port: 5060). At the bottom of the page, the 'Copy' button is highlighted with a red box.

- 4 On the **Phone Security Profile Configuration** page, revise the **Name** and **Description** fields from **Non-Secure** to **Secure** (as required for your environment), select **Enable Digest Authentication**, and **Save**.

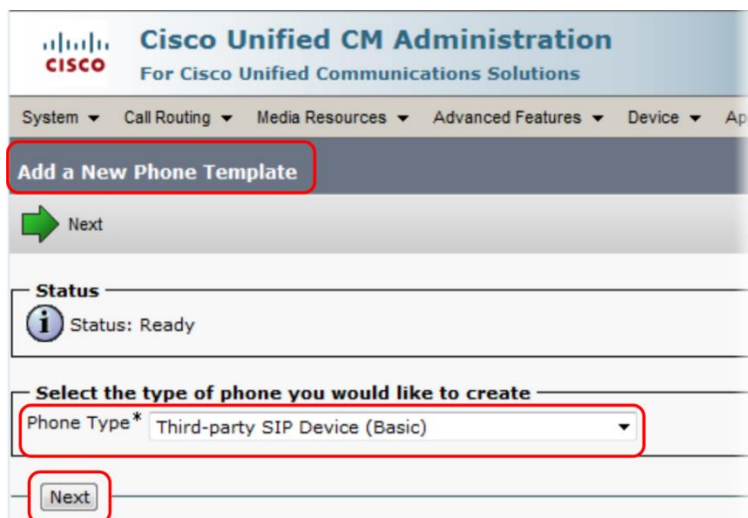


Create a Phone Template

After you create a security profile, create a phone template.

To create a phone template:

- 1 On the **CUCM Administration** page, go to **Bulk Administration > Phones > Phone Template**, and select **Add New**.
- 2 On the **Add a New Phone Template** page, in **Phone Type** select **Third-Party SIP Device (Basic)**, and click **Next**.



- 3 On the **Phone Template Configuration** page, under **Device Information**, complete the following fields:
- **Template Name** Arbitrary. Enter a name of your choice, for example, `Template_Phone`.
 - **Device Pool** Set to the proper device pool for this phone. Consult your CUCM representative for help.
 - **Phone Button Template** Set to **Third-party SIP Device (Basic)**.
 - **Calling Search Space** Choose a calling search space that allows proper call permissions for your phones. Consult your CUCM representative for help.

The screenshot displays the 'Phone Template Configuration' page in Cisco Unified CM Administration. The page is titled 'Phone Template Configuration' and includes a 'Save' button. The 'Status' section shows 'Status: Ready'. The 'Phone Type' section shows 'Product Type: Third-party SIP Device (Basic)' and 'Device Protocol: SIP'. The 'Device Information' section contains a warning 'Device is not trusted' and several fields with red arrows pointing to them:

Field	Value
Template Name*	Polycom_Phones
Description	Polycom Conference Phone Template
Device Pool*	HQ
Common Device Configuration	< None >
Phone Button Template*	Third-party SIP Device (Basic)
Common Phone Profile*	Standard Common Phone Profile
Calling Search Space	< None >
AAR Calling Search Space	< None >
Media Resource Group List	< None >
Location*	Hub_None
AAR Group	< None >

4 On the **Phone Template Configuration** page, under **Protocol Specific Information**, complete the following fields:

- **Device Security Profile** Set to the same Phone Security Profile you created on the Phone Security Profile Configuration page.
- **SIP Profile** Set to Standard SIP Profile.

The screenshot shows the 'Protocol Specific Information' section of the Phone Template Configuration page. It contains several dropdown menus and checkboxes. Two red arrows point to the 'Device Security Profile' and 'SIP Profile' fields. Below this section is the 'MLPP Information' section with an 'MLPP Domain' dropdown menu. At the bottom, a 'Save' button is highlighted with a red box.

Protocol Specific Information	
Presence Group*	Standard Presence group
MTP Preferred Originating Codec*	711ulaw
Device Security Profile*	3rd party SIP Device Basic - Standard SIP Secure Prof
Rerouting Calling Search Space	< None >
SUBSCRIBE Calling Search Space	< None >
SIP Profile*	Standard SIP Profile
Digest User	< None >
<input type="checkbox"/> Media Termination Point Required	
<input type="checkbox"/> Unattended Port	
<input type="checkbox"/> Require DTMF Reception	

MLPP Information

MLPP Domain < None >

Save

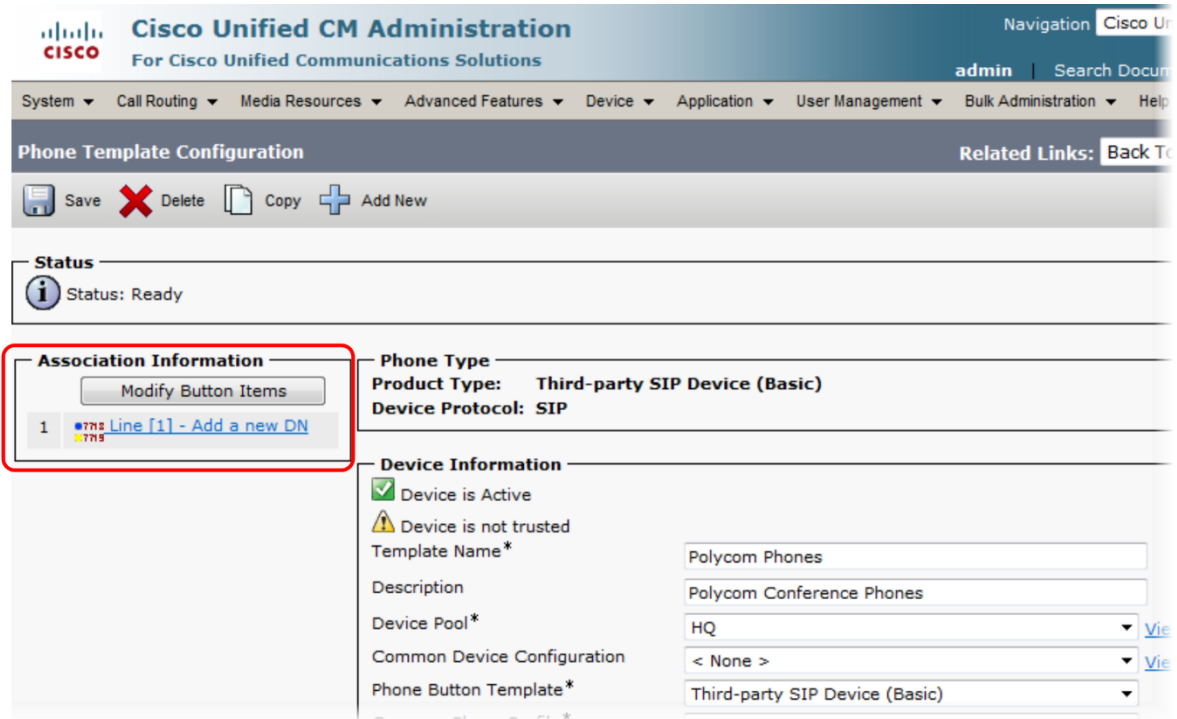
5 Click **Save** after completing the changes.

Create a New Directory Number

After you create a phone template, create a new directory number.

To create a new Directory Number (DN):

- 1 On the **Phone Template Configuration** page, under Association Information, click **Add a new DN**.



- 2 On the **Line Template Configuration** page, in the **Line Template Name** field, enter a name for your line configuration, select a route partition for your deployment, and check **Active**. For information about route partitions, consult CUCM administrator support documentation.

The screenshot shows the Cisco Unified CM Administration interface for configuring a line template. The page title is "Line Template Configuration". Below the title is a "Save" button. The "Status" section shows "Status: Ready". The "Directory Number Information" section contains the following fields:

- Line Template Name *: Polycom Conf Phone Line
- Route Partition: Internal
- Description: (empty)
- Alerting Name: (empty)
- ASCII Alerting Name: (empty)

The "Active" checkbox is checked and highlighted with a red box. Red arrows point to the "Line Template Name" and "Route Partition" fields.

- 3 Click **Save** to store the information.

Create a User's Template

After you create a new directory number, create a user's template.

To create a user's template:

- 1 On the **CUCM Administration** page, go to **Bulk Administration > Users > Users Template** and select **Add New**.

- 2 In the **User Template Name** field, add a unique name for the user template and click **Save**.

The screenshot shows the Cisco Unified CM Administration interface for User Template Configuration. The page title is "Cisco Unified CM Administration For Cisco Unified Communications Solutions". The navigation menu includes System, Call Routing, Media Resources, Advanced Features, Device, Application, and User Management. The "User Template Configuration" section is active, showing a "Save" button, a "Status" section with "Status: Ready", and a note: "NOTE: Please set EndUser Password and Pin values for Credential Policy Default." The "User Template Configuration" section includes the "User Template Name*" field, which is highlighted with a red box and contains the text "Polycom Conference Phone USER Template". Below this are checkboxes for "Default Password to User ID" and "Default PIN to Telephone Number". At the bottom, there are input fields for "Maximum Wait Time for Desk Pickup*" (value: 10000) and "Remote Destination Limit*" (value: 4). The "Save" button at the bottom left is also highlighted with a red box.

- 3 On the **CUCM Administration** page, go to **Bulk Administration > Phones & Users > Insert Phones with Users**.

The screenshot shows the Cisco Unified CM Administration interface with the "Bulk Administration" menu open. The navigation menu includes System, Call Routing, Media Resources, Advanced Features, Device, Application, User Management, Bulk Administration, and Help. The "Bulk Administration" menu is expanded, showing options: Upload/Download Files, Phones, Users, Phones & Users (highlighted), Managers/Assistants, User Device Profiles, and Gateways. The "Insert Phones with Users" option is highlighted in a sub-menu. The "User Template Configuration" section is visible in the background, showing the "Save" button, "Status" section, and note.

- 4 On the **Insert Phones/Users Configuration** page, complete the following fields:
 - **File Name** The name of the bat.xt file you created, which is a comma separated file containing all the users' information.
 - **Phone Template Name** The name of the phone template you created.
 - **User Template Name** The name of the user template you created.
 - **Run Immediately** Check Run Immediately.

The screenshot shows the 'Insert Phones/Users' configuration page in Cisco Unified CM Administration. The page has a navigation bar with 'System', 'Call Routing', 'Media Resources', 'Advanced Features', 'Device', 'Application', and 'User Management'. The main heading is 'Insert Phones/Users Configuration'. Below this is a 'Submit' button with a green arrow icon. A 'Status' section contains two information icons: 'Add successful' and 'Job request submitted. Use the Job Scheduler to see the status of your job.' The main configuration area is titled 'Insert Phones/Users' and contains three dropdown menus: 'File Name *' (selected: Phones-Users-10182013134212.txt), 'Phone Template Name *' (selected: Polycom Phones), and 'User Template Name *' (selected: Polycom Conference Phone USER Template). There are also links for '(View File)' and '(View S...)'. A checkbox 'Create Dummy MAC Address (For CTI Port, Create Dummy Device Name)' is present. Below this is the 'Job Information' section with a 'Job Description' field containing 'Insert Phones/users'. Two radio buttons are shown: 'Run Immediately' (selected) and 'Run Later (To schedule and activate this job, use Job Scheduler page)'. A 'Submit' button is at the bottom.

- 5 Press **Submit** to complete the process.
- 6 Verify your configuration on the CUCM Administration page by going to **Bulk Administration > Job Scheduler**.
- 7 On the **Find and List Jobs** page, click **Find** to display the Insert Phones/users job you just created. Check that the job status reads **Completed**.

The screenshot shows the 'Find and List Jobs' page in Cisco Unified CM Administration. The page has a navigation bar with 'System', 'Call Routing', 'Media Resources', 'Advanced Features', 'Device', 'Application', 'User Management', 'Bulk Administration', and 'Help'. The main heading is 'Find and List Jobs'. Below this are several action buttons: 'Select All', 'Clear All', 'Delete Selected', 'Activate Selected', and 'Stop Processing'. A 'Status' section contains two information icons: '1 records found' and 'Server Date and Time: October 18, 2013 12:49:57 MDT'. The main area is titled 'Jobs (1 - 1 of 1)' and has a 'Rows per Page' dropdown set to 100. Below this is a search bar with 'Find Jobs where' set to 'User', 'begins with' set to an empty field, and 'Using AND'. There are buttons for 'Show Completed Jobs', 'Find', and 'Clear Filter'. A table below shows the job details:

Job Id	Scheduled Date Time	Submit Date Time	Sequence	Description	Status	Last User
1382121949	October 18, 2013 12:45:49 MDT	October 18, 2013 12:45:49 MDT	1	Insert Phones/users	Completed	admin

Below the table are buttons for 'Select All', 'Clear All', 'Delete Selected', 'Activate Selected', and 'Stop Processing'.