

# Using Spectralink IP-DECT Server 400 and 6500 with Cisco Unified Communication Manager, 3<sup>rd</sup> party SIP

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## Technical Bulletin

## Introduction

This document provides introductory information on how to use a Spectralink IP-DECT Server 400 and 6500 system with the Cisco Unified Communication Manager PBX. It offers answers to frequently asked questions along with feature configuration examples for both Cisco Unified CM and Spectralink IP-DECT Systems. Find the Cisco Unified CM wiki at:

<http://www.cisco.com/en/US/products/sw/voicesw/ps556/>

This document assumes that you have an installed and functioning Cisco Unified CM server. If you do not have a functioning Cisco Unified CM server, check the support page from Cisco website.

Terms and Definitions:

- Cisco Unified CM or CUCM server refers to a functioning Cisco Unified Communication Manager PBX installation.

The examples in this document were tested with Spectralink IP-DECT Server 400 and 6500 PCS06A\_ (available from <http://www.polycom.eu/support/voice/dect/index.html> )

If there is an issue with a configuration that is specific to a particular software release, the issue is noted.

Please ensure that you have read and understood our Admin Guide and set up the IP-DECT System before following the advice given below:

IP-DECT Server 400

[http://support.spectralink.com/sites/default/files/resource\\_files/Spectralink%20IP-DECT%20Server%20400\\_Installation%20and%20configuration%20guide.pdf](http://support.spectralink.com/sites/default/files/resource_files/Spectralink%20IP-DECT%20Server%20400_Installation%20and%20configuration%20guide.pdf)

IP-DECT Server 6500

[http://support.spectralink.com/sites/default/files/resource\\_files/Spectralink%206500%20Server\\_Installation%20and%20Config%20Guide\\_ed5.pdf](http://support.spectralink.com/sites/default/files/resource_files/Spectralink%206500%20Server_Installation%20and%20Config%20Guide_ed5.pdf)

The topics in this document include:

- [Creating a Basic Configuration](#)
- [Phone License Units](#)
- [Bulk Administration Tool \(BAT\)](#)
- [Additional Resources](#)

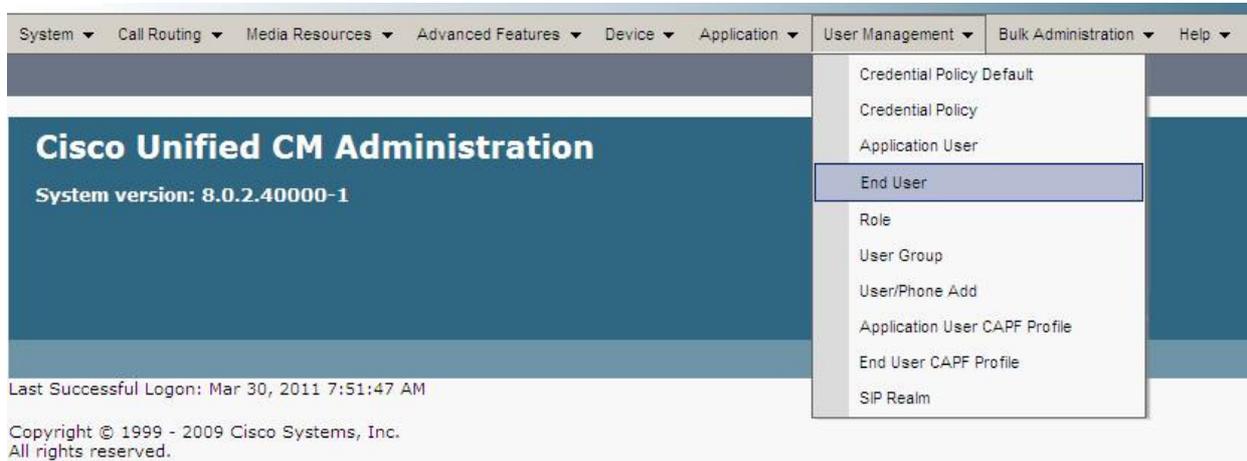
The configuration file fragments in the figures of this document show the basic settings required to configure both CUCM server and the IP-DECT Server 400 and 6500 to successfully interoperate. Note that these settings are minimal configurations and only show changes from default factory settings on the Server.

## Creating a Basic Configuration

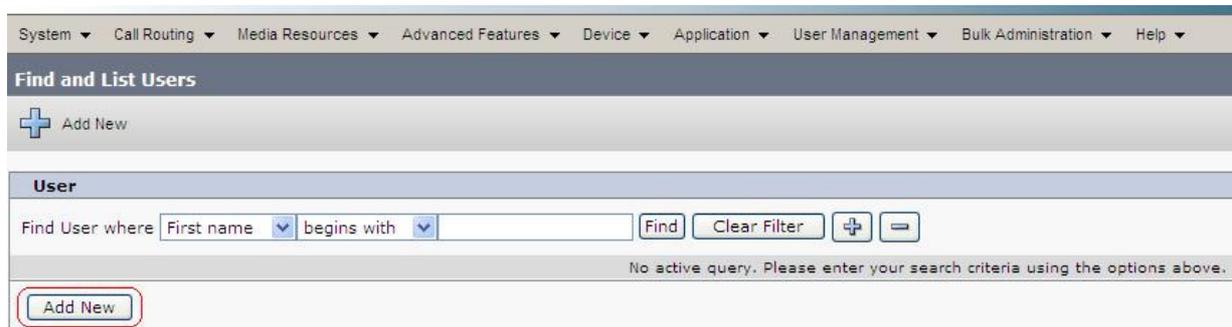
To create a basic configuration:

For each phone to be connected, follow the steps below:

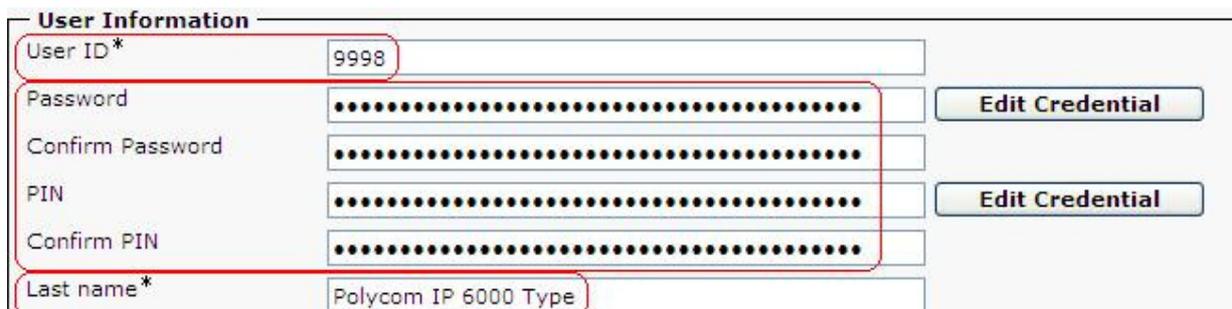
1. On the Cisco Unified CM Administration page click on User Management and select End User



A page similar to the one below will be displayed.



Click on **Add New** to add a new user:



The User ID reflects the SIP DDI (direct dial-in) that will be assigned to the Spectralink Handset.

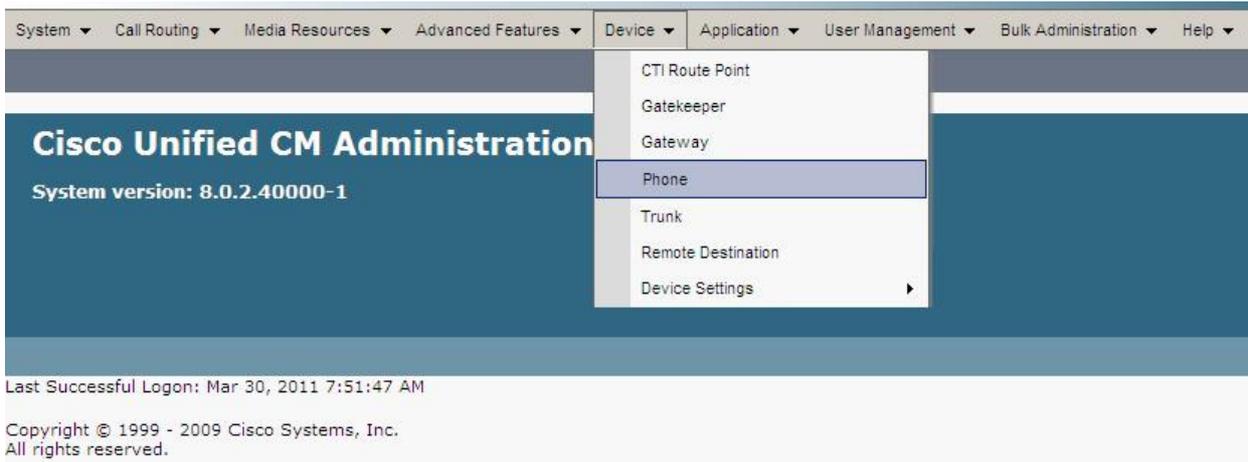
- A Password should be used for security reasons. This Password is only used CUCM internally. In above example 12345 is used.

Using Spectralink IP-DECT Server 400 and 6500 with CUCM, 3<sup>rd</sup> party SIP

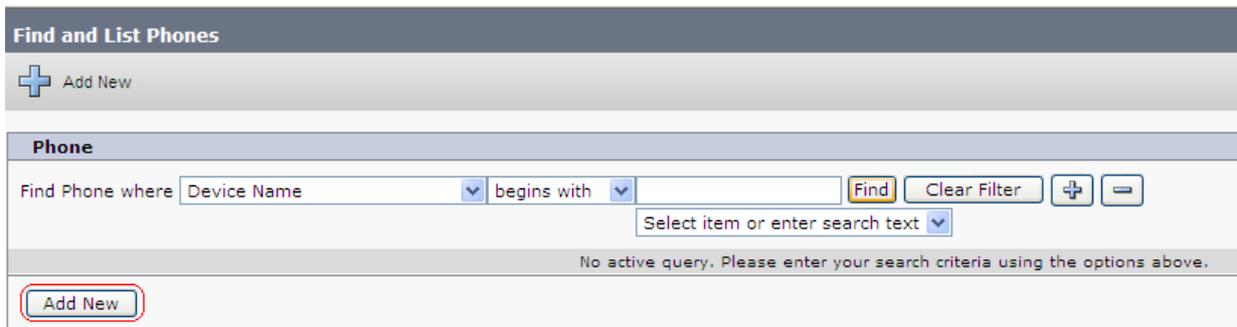
- The same Value is used for the *PIN*.  
The Pin is the authentication Password used on the Spectralink Handset.
- The *Last Name* entry is used to identify this User and it is mandatory

After making these settings, click on the Save Icon to store the information. The operation described above must be repeated for every SIP DDI that will be added to the Cisco Unified CM.

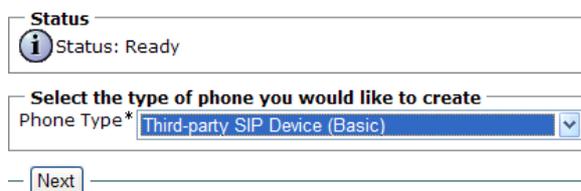
2. On the Cisco Unified CM click on Device and select Phone



A page similar to the one below will be displayed.



Click on Add New and select a Third-Party SIP Device(Basic) from the drop down list, then click Next to proceed.



In the **Device Information** area, add the *Mac Address* of the Spectralink Handset and ensure that *Device Pool* and *Phone Button Template* are selected as highlighted. Notice the *Owner User ID* which must reflect the SIP DDI that has been assigned to the User. Also make sure that *Is Active* button is checked.

**Device Information**

Is Active

MAC Address\* 000770544145

Description SEP000770544145

Device Pool\* Default [View Details](#)

Common Device Configuration < None > [View Details](#)

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 >

Device Mobility Mode\* Default [View Current Device Mobility Settings](#)

Owner User ID 9998

Use Trusted Relay Point\* Default

Always Use Prime Line\* Default

Always Use Prime Line for Voice Message\* Default

Calling Party Transformation CSS < None >

Geo Location < None >

Use Device Pool Calling Party Transformation CSS

Ignore Presentation Indicators (internal calls only)

Logged Into Hunt Group

Remote Device

In the **Protocol Specific Information** area chose the *Device Security Profile*, *SIP Profile* and the *Digest User* as highlighted below and press save to store this information within the CUCM server.

**Protocol Specific Information**

Presence Group\* Standard Presence group

MTP Preferred Originating Codec\* 711ulaw

Device Security Profile\* Third-party SIP Device Basic - Standard SIP Non-S

Rerouting Calling Search Space < None >

SUBSCRIBE Calling Search Space < None >

SIP Profile\* Standard SIP Profile

Digest User 9998

Media Termination Point Required

Unattended Port

Require DTMF Reception

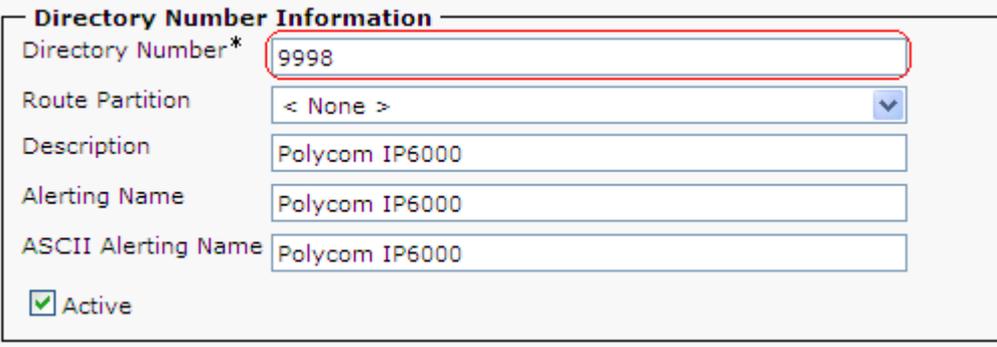
In **Association Information** area click on *Add a new DN* Button in order to assign the selected SIP DDI.

**Association Information**

Modify Button Items

1   Line [1] - Add a new DN

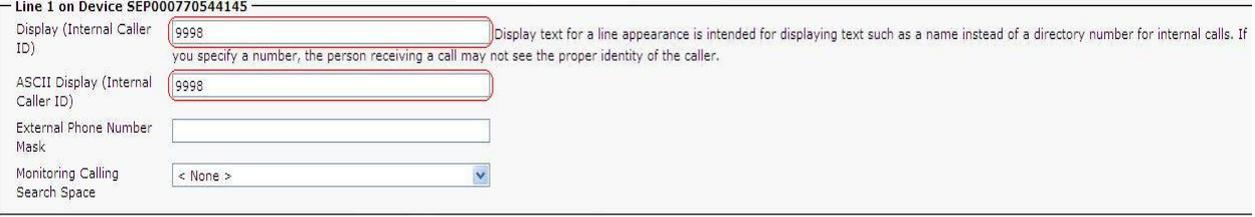
In the **Directory Number Information** area write the desired SIP DDI and the *Alerting Name* (This number will be added as the Username/Extension within the User data for the Handset on the IP-DECT Server 400/6500 Web Interface)



<b>Directory Number Information</b>	
Directory Number*	9998
Route Partition	< None >
Description	Polycom IP6000
Alerting Name	Polycom IP6000
ASCII Alerting Name	Polycom IP6000
<input checked="" type="checkbox"/> Active	

- The description is used only internally.
- Alerting name is displayed whilst a SIP Device rings another Device. Once connected the Display (Internal Caller ID) is shown.

The Display (Internal Caller ID) and ASCII Display (Internal Caller ID) is a feature that displays the added entry on Cisco Phones when they receive a call from a Spectralink Handset.

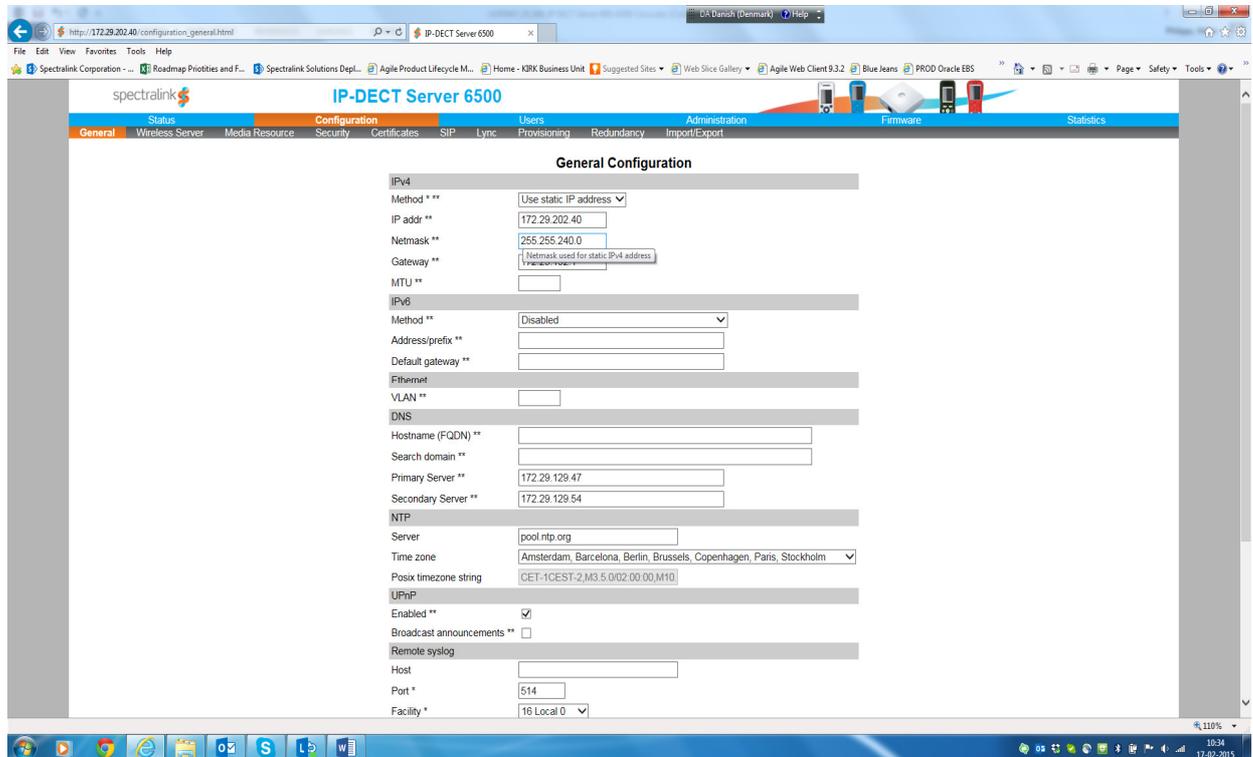


<b>Line 1 on Device SEP000770544145</b>		
Display (Internal Caller ID)	9998	<small>Display text for a line appearance is intended for displaying text such as a name instead of a directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller.</small>
ASCII Display (Internal Caller ID)	9998	
External Phone Number Mask		
Monitoring Calling Search Space	< None >	

- The Display (Internal Caller ID) is displayed on outgoing Calls on the ringing End
- External Phone Number Mask is for Cisco Phones only.

The process is finalized by clicking on Save Button.

3. Once the Cisco Unified CM configuration is completed, configure the IP-DECT Server 400 or 6500. Browse to your IP-DECT Server 400/6500 Configuration page -> General configuration :



The above configuration shows a basic setup:

- Choose the designated Transport protocol as UDP only.
- Enter the CUCM Domain Name or the IP address of the Subscriber as Default domain.
- Enter the CUCM Domain Name or the IP address of the Subscriber as Proxy 1

It is usually a best practice to register all of the users with the Subscriber, rather than the Publisher, in order to reduce the overall load on the Publisher and for cases when the CUCM installation has not a CUCM service active on its Publisher.

- Enter IP address 127.0.0.1 as Proxy 2 in order for the KWS to handle internal calls between the DECT handsets in case the first Proxy cannot be reached.
- Tick the Register each endpoint on separate port and Send all messages to current registrar.
- Change the offered rfc to 101.

All other settings can be left with factory default values.

Note that Hostname must be left blank under DNS settings when connected to a CUCM.

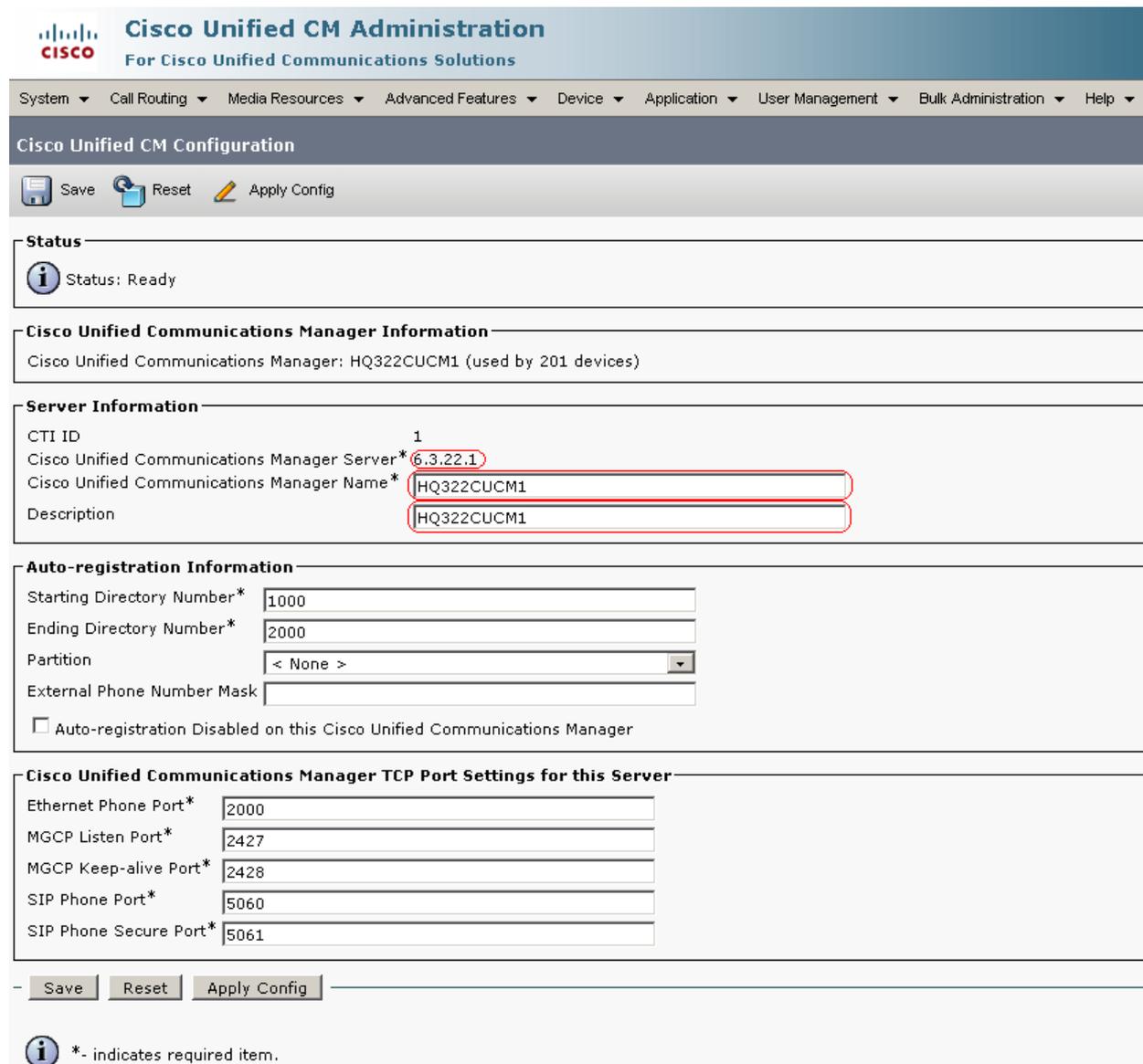
Log **General Configuration**

<b>IP</b>	
DHCP assigned	<input type="radio"/>
Use static IP address	<input checked="" type="radio"/>
IP addr**	<input type="text" value="172.29.202.1"/>
Netmask**	<input type="text" value="255.255.240.0"/>
Gateway**	<input type="text" value="172.29.192.1"/>
MTU**	<input type="text"/>
VLAN**	<input type="text"/>
<b>DNS</b>	
Hostname**	<input type="text"/> ←
Domain	<input type="text"/>
Primary Server	<input type="text" value="172.29.129.30"/>
Secondary Server	<input type="text" value="172.29.129.31"/>

**IP-DECT Server 400/6500 & SRST (Survivable Remote Site Telephony) feature**

In order for the KWS to support SRST within a Cisco Unified CM setup with a SRST router, the following settings have to be made:

- Browse to Cisco Unified CM Administration and then select System -> Cisco Unified CM -> select CUCM Publisher server -> section "Server Information" -> field "Cisco Unified Communications Manager Name". Enter the CUCM Publisher server name and description.



**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

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

**Cisco Unified CM Configuration**

Save Reset Apply Config

**Status**  
Status: Ready

**Cisco Unified Communications Manager Information**  
Cisco Unified Communications Manager: HQ322CUCM1 (used by 201 devices)

**Server Information**

CTI ID	1
Cisco Unified Communications Manager Server*	6.3.22.1
Cisco Unified Communications Manager Name*	HQ322CUCM1
Description	HQ322CUCM1

**Auto-registration Information**

Starting Directory Number*	1000
Ending Directory Number*	2000
Partition	< None >
External Phone Number Mask	

Auto-registration Disabled on this Cisco Unified Communications Manager

**Cisco Unified Communications Manager TCP Port Settings for this Server**

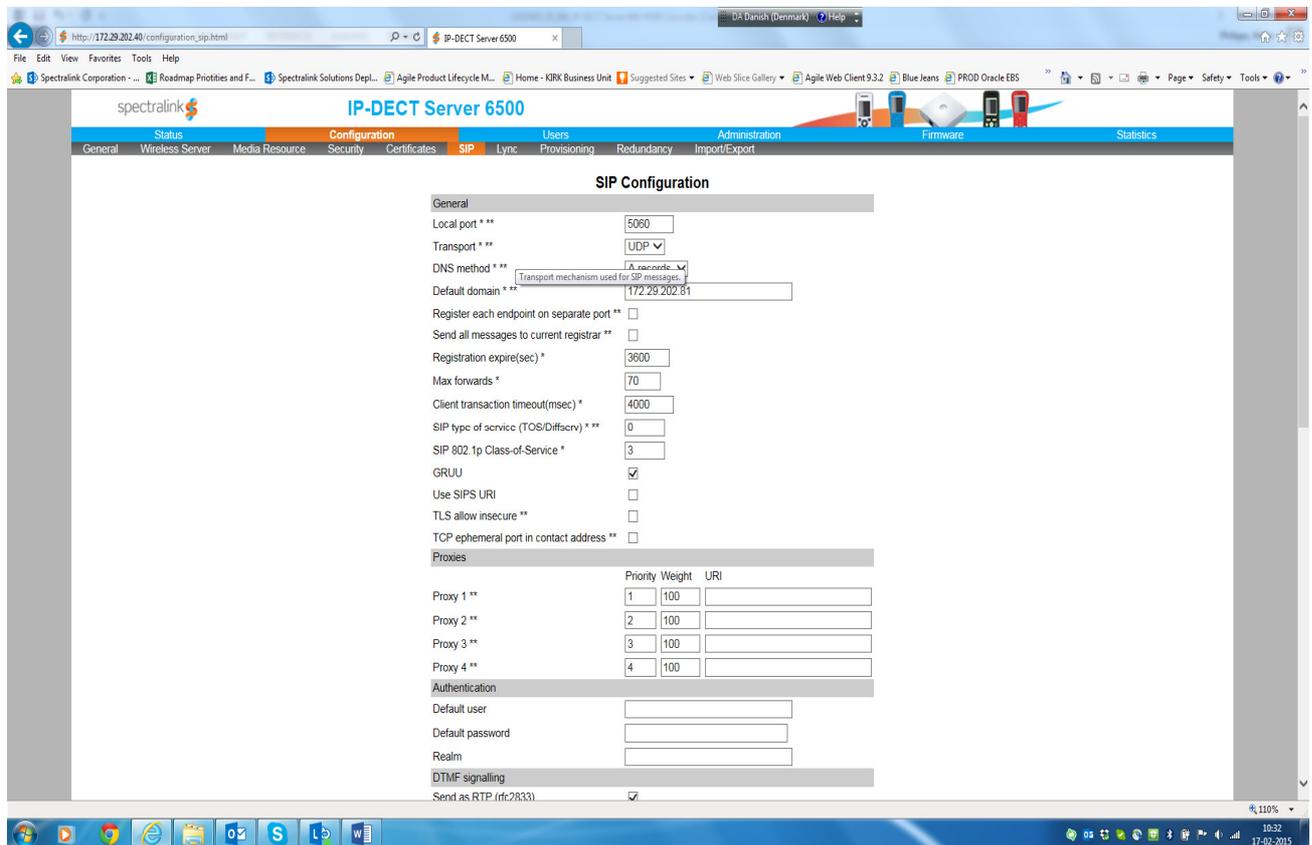
Ethernet Phone Port*	2000
MGCP Listen Port*	2427
MGCP Keep-alive Port*	2428
SIP Phone Port*	5060
SIP Phone Secure Port*	5061

Save Reset Apply Config

**i** \*- indicates required item.

**Using Spectralink IP-DECT Server 400 and 6500 with CUCM, 3<sup>rd</sup> party SIP**

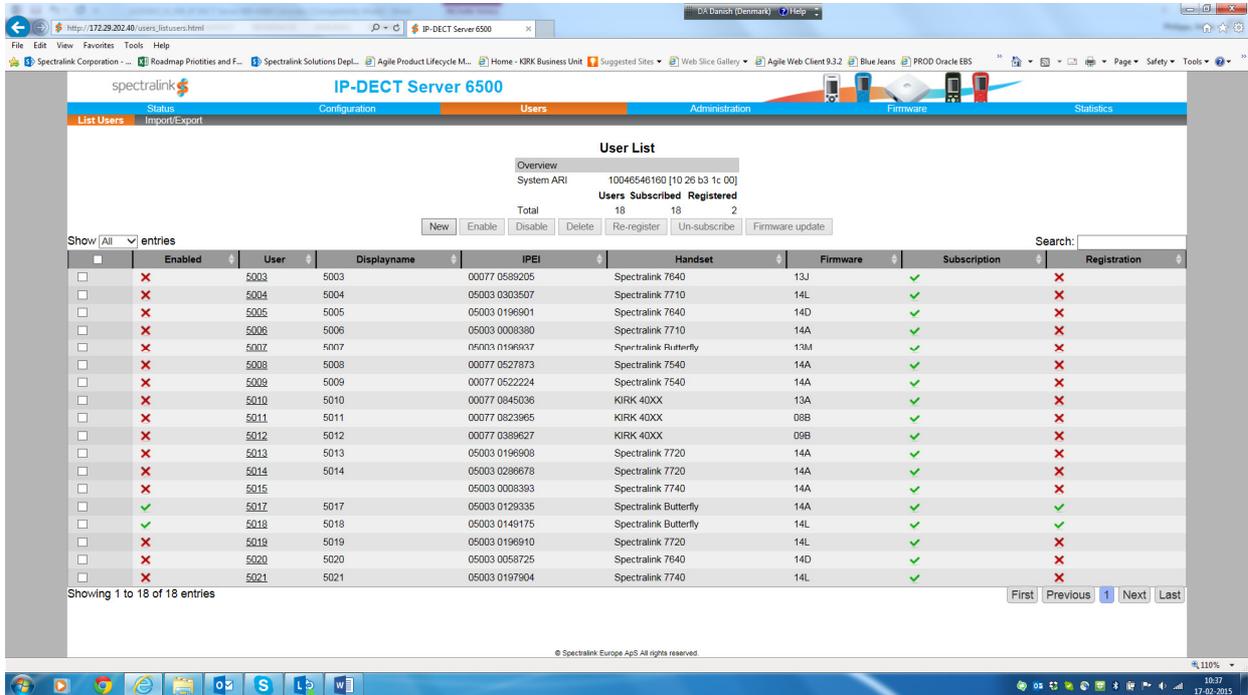
- Browse to your IP-DECT Server 400/6500 Configuration page and then select -> Sip menu. In addition to the basic sip configuration setup from above, set the following as in the picture below:
  - Enter the CUCM Publisher server name as the Default name.
  - Enter the IP address of the CUCM Subscriber server as Proxy 1.
  - Enter the IP address of the CUCM Publisher server as Proxy 2.
  - Enter the IP address of the SRST router as Proxy 3.
  -



**NOTE:** See the configuration xml file from your IP-DECT Server 6500 system attached at the end of this document, page 30.

**Adding a user to the IP-DECT Server 400/6500:**

Choose the *Users* -> *List Users* menu from the Web interface and select *New* and a new window will open.



**User 9998**

**DECT**

IPEI

Access code

Standby text

**SIP**

Username / Extension \*

Domain

Displayname

Authentication user

Authentication password

Disabled

**Features**

Call forward unconditional

\*) Required field

**IPEI**<sup>1</sup> = the 12 digit serial Number of the Spectralink Handset

**Access Code** = is not mandatory

**Standby text** = the text that the Handset shows when on hook

**Username / Extension** = the Directory number that has been added in the CUCM

**Domain** = is not mandatory (can be used on a per-user basis in order to register the specific handset to a separate SIP call handler).

**Displayname** = is not mandatory (may be overwritten by the SIP call handler).

**Authentication user**<sup>2</sup> = user ID that has been used when the user was created in the CUCM menu.

**Authentication password** = the PIN that has been used when the User was created in the CUCM menu

**Call forward unconditional** = a CFU can be added/removed via the Web interface (configure the desired extension on related field) or the

<sup>1</sup> It is not necessary to fill out the IPEI field. The system will do it automatically when the handset is subscribed.

<sup>2</sup> With firmware >=PCS05C\_ the Authentication user is not required if it is the same as the Username.

**NOTE:** Please be aware that 3<sup>rd</sup> party phones may need an Access code to register to the Polycom KIRK KWS server and may not support the Standby text facility or the time display.

Please check within the **Configuration => Server** menu to centrally deactivate the **Send date and time** feature.

### Activating Call Forward unconditional Feature (CFU)

On the Spectralink IP-DECT Server 400/6500 Configuration -> Wireless Server Web Interface.

**Wireless Server Configuration**

**DECT**

Subscription allowed

Authenticate calls

Encrypt voice/data

Autocreate users

System access code

Send date and time

**Application interface**

Username \*

New password

New password again

Enable MSF \*\*

Enable XML-RPC \*\*

Internal messaging

**Feature codes**

Enable

Call forward unconditional - enable

Call forward unconditional - disable

\*) Required field \*\*) Require restart

This Feature must be activated in order to work and the Code itself can be changed in order to match local CUCM Feature Access Codes. When enabling the feature from Spectralink handset keypad, \$ will be followed by the desired extension

CFU can be activated permanently at subscription time by the service provider. By modifying the Rerouting Calling Search Space option, this will provide the sufficient rights for the handset to action the CFU on the CUCM.

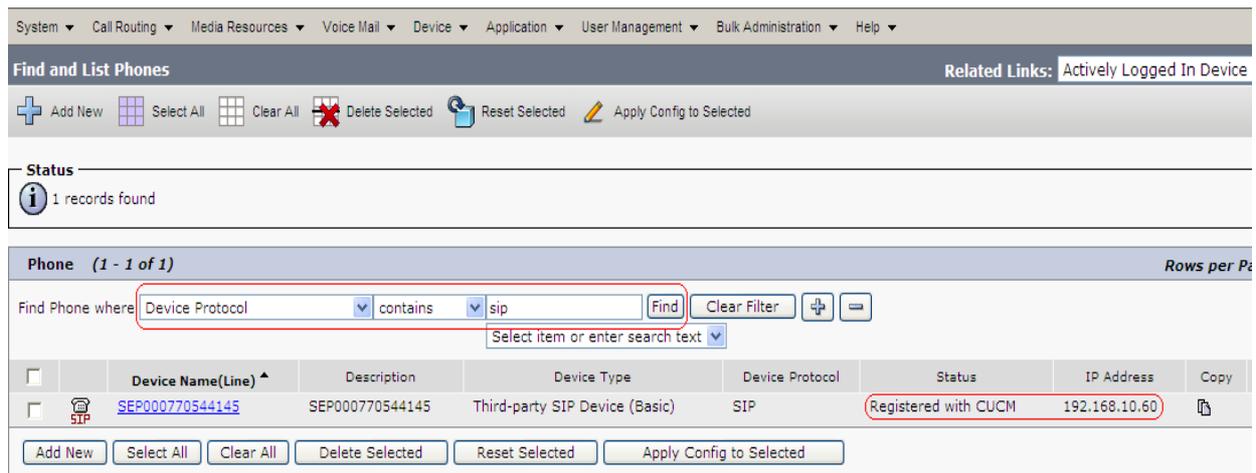
The Directory Number Configuration page defines some fields that let one set calling search spaces associated with call forwarding: Call Forward All Calling Search Space, Call Forward Busy Calling Search Space (internal and external), Call Forward No Answer Calling Search Space (internal and external), Call Forward No Coverage Calling Search Space (internal and external). Using these fields, one can forward a user's calls to destinations the user could not normally call directly. Conversely, the user can be prevented from forwarding calls to certain destinations, even if the user could normally dial such destinations directly.

One can configure calling search space for Forward All, Forward Busy, Forward No Answer, Forward No Coverage, and Forward on CTI Failure directory numbers. The value that one chooses applies to all devices that are using this directory number. It must be configured either primary Forward All Calling Search Space or Secondary Forward All Calling Search Space or both for Call Forward All to work properly.

If the system is using partitions and calling search spaces, it is recommended to configure the other call forward calling search spaces as well. When a call is forwarded or redirected to the call forward destination, the configured call forward calling search gets used to forward the call. If the forward calling search is none, the forward operation may fail if the system is using partitions and calling search spaces.

### Successful registration

A successful registration may be verified on CUCM; it is shown in the CUCM *Device* → *Phone* selection.



The screenshot shows the CUCM administration interface for the 'Find and List Phones' page. The search criteria are set to 'Device Protocol' contains 'sip'. One record is found, which is a 'Third-party SIP Device (Basic)' with the name 'SEP000770544145' and IP address '192.168.10.60'. The status is 'Registered with CUCM'.

Device Name(Line) ^	Description	Device Type	Device Protocol	Status	IP Address	Copy
 SEP000770544145	SEP000770544145	Third-party SIP Device (Basic)	SIP	Registered with CUCM	192.168.10.60	

## Using Spectralink IP-DECT Server 400 and 6500 with CUCM, 3<sup>rd</sup> party SIP

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

**Find and List Phones** Related Links: [Actively Logged In Device Re](#)

**Status**

1 records found

**Phone (1 - 1 of 1)** Rows per Page

Find Phone where

Select item or enter search text

<input type="checkbox"/>	Device Name(Line) ^	Description	Device Type	Device Protocol	Status	IP Address	Copy	S
<input type="checkbox"/>	SEP000770544145	SEP000770544145	Third-party SIP Device (Basic)	SIP	Registered with cucm8	192.168.10.180	<input type="button" value="Copy"/>	<input type="button" value="S"/>

On the Spectralink IP-DECT Server 400/6500 Users -> List Users web interface:

spectralink IP-DECT Server 6500

[List Users](#)
[Status](#)
[Configuration](#)
[Users](#)
[Administration](#)
[Firmware](#)
[Statistics](#)

**User List**

Overview

System ARI: 10046546160 [10 28 b3 1c 00]

**Users Subscribed Registered**

Total: 18 18 2

Show  entries Search:

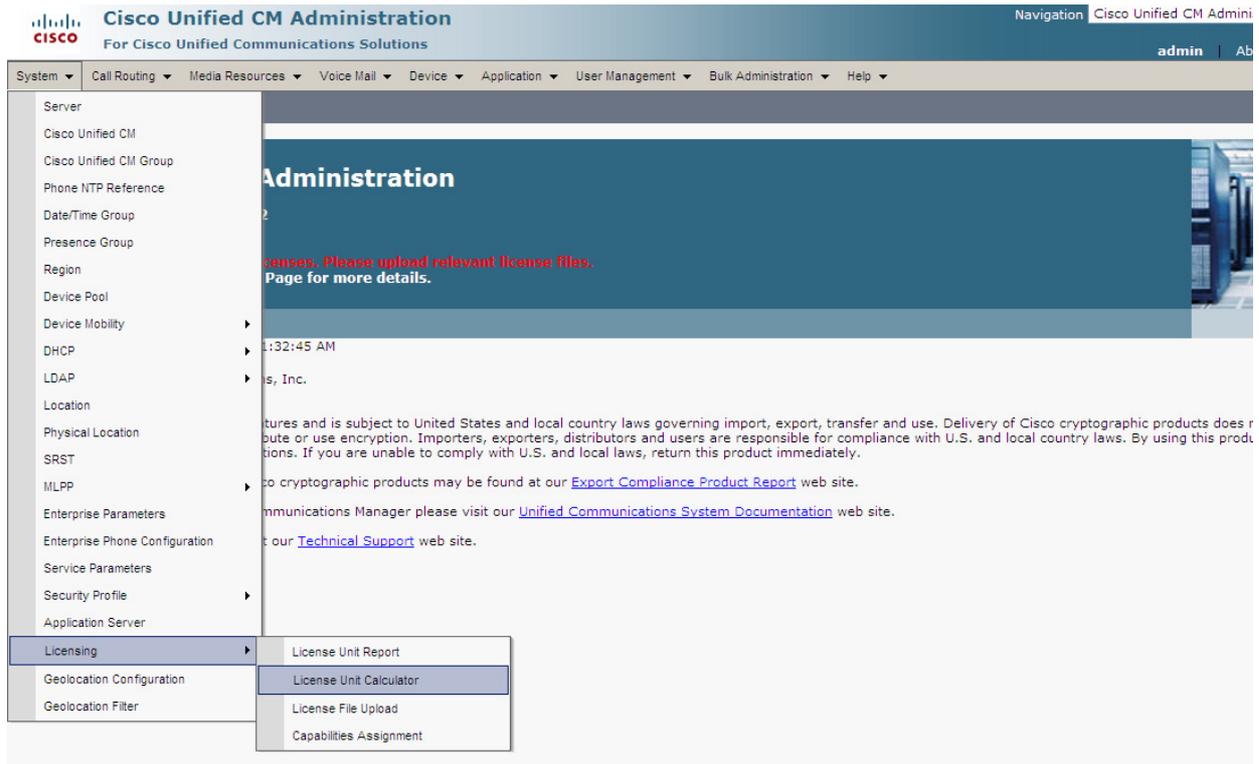
<input type="checkbox"/>	Enabled	User	Displayname	IPEI	Handset	Firmware	Subscription	Registration
<input type="checkbox"/>	X	5003	5003	00077 0580205	Spectralink 7640	13J	✓	X
<input type="checkbox"/>	X	5004	5004	05003 0303507	Spectralink 7710	14L	✓	X
<input type="checkbox"/>	X	5005	5005	05003 0196901	Spectralink 7640	14D	✓	X
<input type="checkbox"/>	X	5006	5006	05003 0008380	Spectralink 7710	14A	✓	X
<input type="checkbox"/>	X	5007	5007	05003 0196907	Spectralink Butterfly	13M	✓	X
<input type="checkbox"/>	X	5008	5008	00077 0527873	Spectralink 7540	14A	✓	X
<input type="checkbox"/>	X	5009	5009	00077 0522224	Spectralink 7540	14A	✓	X
<input type="checkbox"/>	X	5010	5010	00077 0845038	KIRK 40XX	13A	✓	X
<input type="checkbox"/>	X	5011	5011	00077 0823965	KIRK 40XX	08B	✓	X
<input type="checkbox"/>	X	5012	5012	00077 0380627	KIRK 40XX	09B	✓	X
<input type="checkbox"/>	X	5013	5013	05003 0196908	Spectralink 7720	14A	✓	X
<input type="checkbox"/>	X	5014	5014	05003 0286878	Spectralink 7720	14A	✓	X
<input type="checkbox"/>	X	5015	5015	05003 0008383	Spectralink 7740	14A	✓	X
<input type="checkbox"/>	✓	5017	5017	05003 0129335	Spectralink Butterfly	14A	✓	✓
<input type="checkbox"/>	✓	5018	5018	05003 0149175	Spectralink Butterfly	14L	✓	✓
<input type="checkbox"/>	X	5019	5019	05003 0196810	Spectralink 7720	14L	✓	X
<input type="checkbox"/>	X	5020	5020	05003 0058725	Spectralink 7640	14D	✓	X
<input type="checkbox"/>	X	5021	5021	05003 0197904	Spectralink 7740	14L	✓	X

Showing 1 to 18 of 18 entries

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## Phone License Units

In order to be able to register Spectralink Handsets with Cisco Unified CM, license units are needed. To calculate the amount of license units required for a specific number of Handsets, go to *System -> Licensing -> License Unit Calculator* page from CUCM administration webpage.



A new page similar to the one below is displayed. Scroll down until Third-Party SIP Device (Basic) appears and fill in the box with the specific number of handset required to register with Cisco Unified CM, then press Calculate. The total Phone License Units needed will be displayed:

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"/>
<b>Total Phone License Units Used:</b>		3			
<b>Total Phone License Units Needed:</b>				<input type="text" value="369"/>	

 \*- indicates required item.

## Bulk Administration Tool (BAT)

The Cisco Unified CM Bulk Administration Tool (BAT) lets you add, update or delete a large number of similar phones and users at the same time. In order for BAT to work, you need first to activate Bulk Provisioning Service (BPS) from Cisco Unified CM Serviceability.

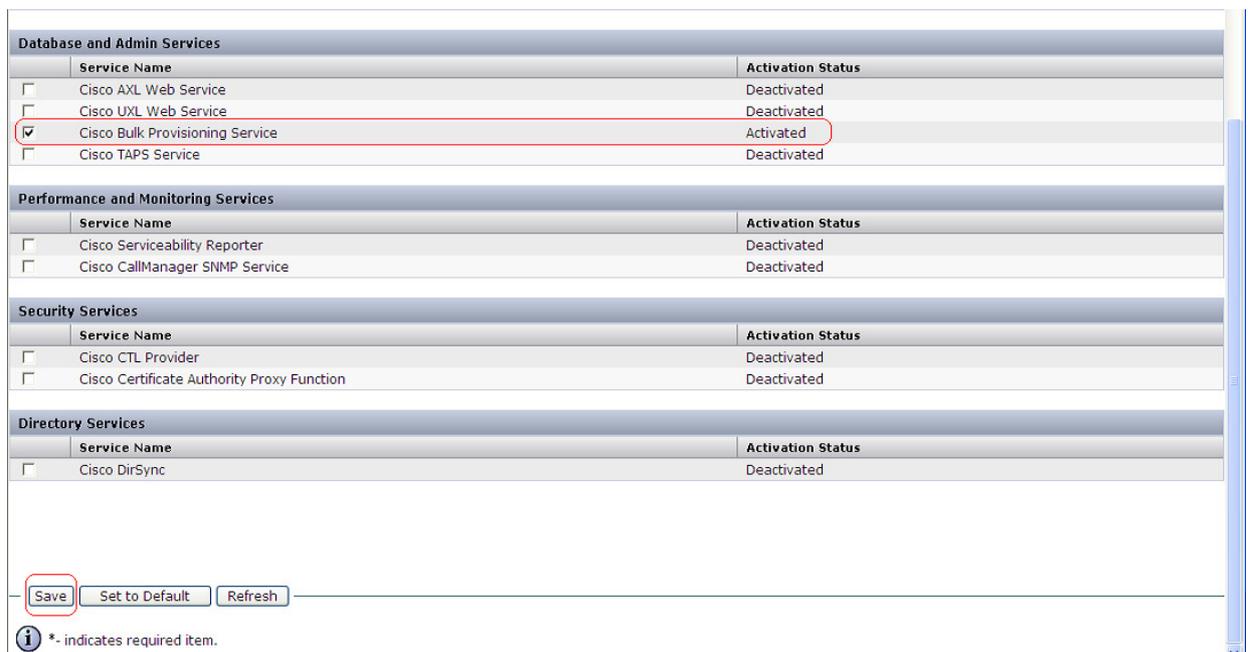
Log-on to Cisco Unified Serviceability from the Navigation Tab, as shown in the screen dump below:



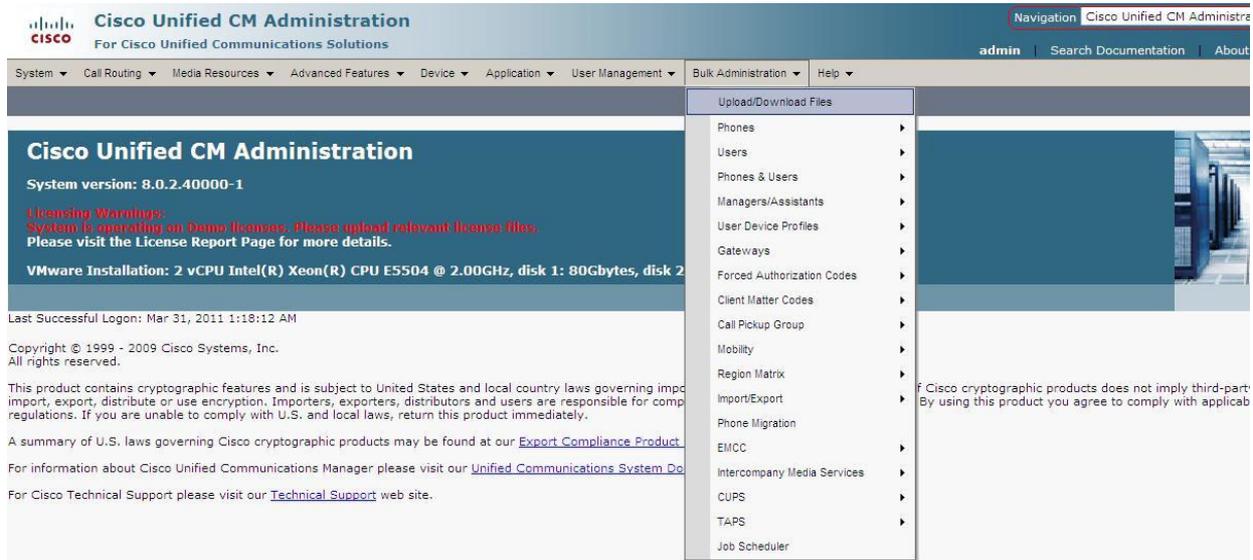
Go to *Tools* -> *Service Activation*:



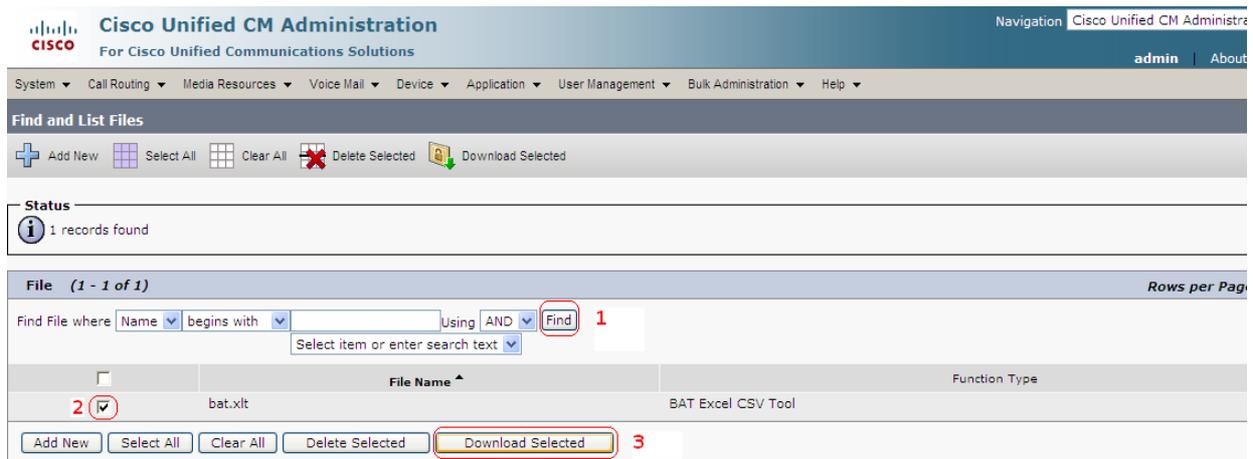
A new page similar to the one below is displayed. Go to *Cisco Bulk Provisioning Service* (found in Database and Admin Services category) and activate it (by checking the box) then click on *Save* to store the information. Activation status should change to Activated.



Once the service is activated, logon into Cisco Unified CM Administration page and go to Bulk Administration -> Upload/Download Files:



A new page as the one below is displayed. Click on *Find* and search for bat.xlt in the list. Check left side the box and click on Download Selected. Save the file on your hard drive.

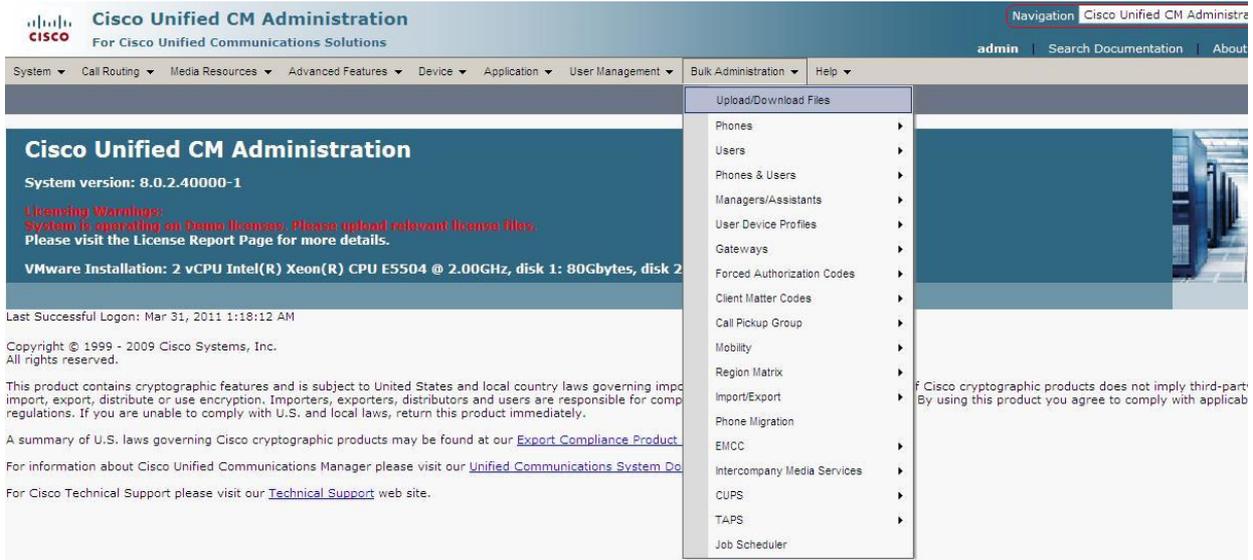


- Open the bat.xlt spread sheet you just saved on your machine.
- When prompted, click **Enable Macros** to use spread sheet capabilities.
- Click on **Phones-Users** tab at the bottom of the spread sheet.
- Make sure that Selected Model is on Phone and click on Create File Title button. A new page appears as shown in the picture below
- Add Owner User ID and Digest User to appear in Selected Device Fields
- Add Directory Number, Alerting Name, Alerting Name ASCII, Display and ASCII Display to appear in Selected Line Fields.
- Click on Create and Yes when prompted

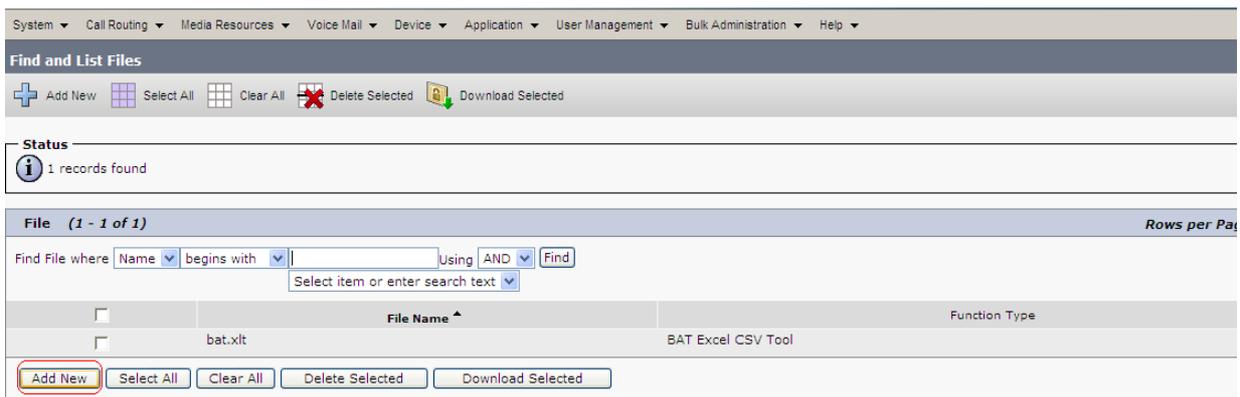
Now you have to fill the following fields which contain minimal information about users:

- **Last Name:** used to identify the user. Ex: Spectralink IP 6500 Horsens
- **User ID:** reflects the SIP DDI that will be assigned to the Spectralink Handset. Ex: 9998
- **Password:** is recommended to use a pass for security reasons.
- **PIN:** is the Authentication Password used on the Spectralink Handset
- **MAC Address/Device Name:** the IPEI of the handset.
- **Owner User ID:** user ID of the assigned phone user. Ex: 9998
- **Digest User:** end user that is associated to the phone Ex:9998
- **Directory Number 1:** phone number (SIP DDI). Ex: 9998
- **Alerting Name 1:** is displayed whilst a SIP device rings another device. Once connected the Display1 is shown.
- **Alerting Name Ascii 1:** same as Alerting Name, but only ASCII characters
- **Display 1:** if blank the system will display the extension.
- **ASCII Display 1:** same as Display1.

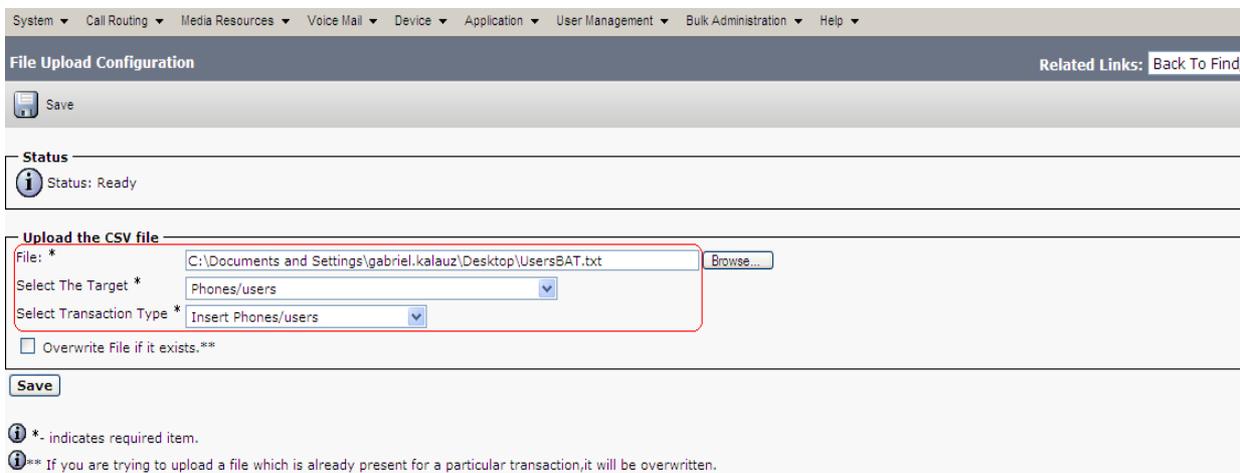
You can enter as many users as needed, each one on its separate row. After the spread sheet is filled with all the above info about the users, the file must be saved and then uploaded on the Cisco Unified CM. Click on *Export to BAT Format* and save the file on your local hard drive. Next go to Cisco Unified CM Administration Page, and from there to *Bulk Administration -> Upload/Download File* page:



A new page similar to the one below should appear. From here you can upload the file created with bat.xlt spread sheet.

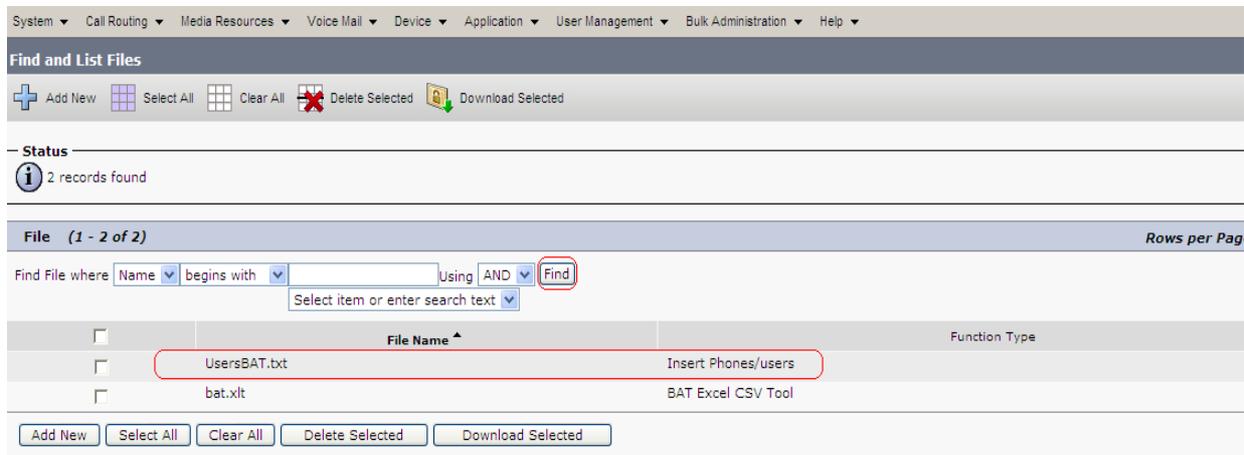


Click on Add New to add the file created with bat.xlt to the CUCM server. A page similar to the one below should appear:

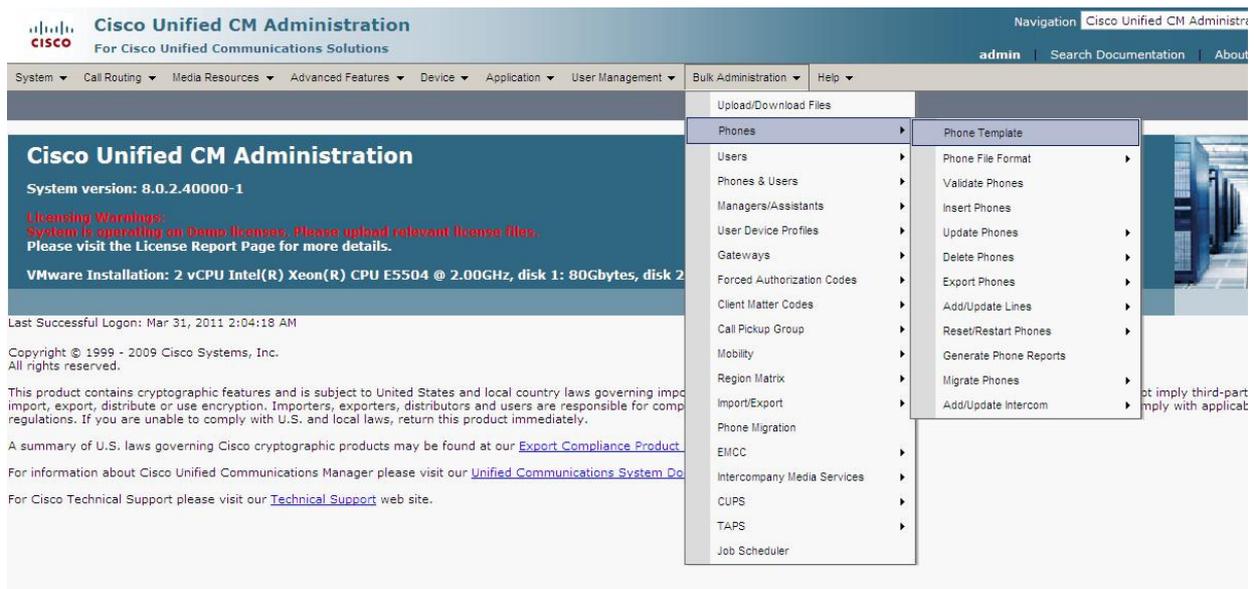


Make sure that **Select The Target** is set to Phones/users and **Select Transaction Type** is set to Insert Phones/users. Browse to the file created with bat.xlt from your local drive and then click save. To make sure the file is uploaded on the CUCM server, go to *Bulk Administration* ->

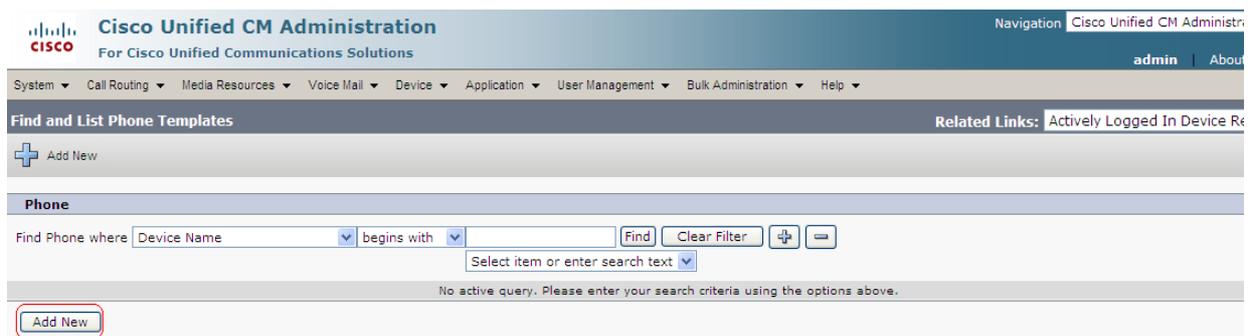
Upload/Download Files and click on Find. The uploaded file should appear along with bat.xlt file, as shown below:



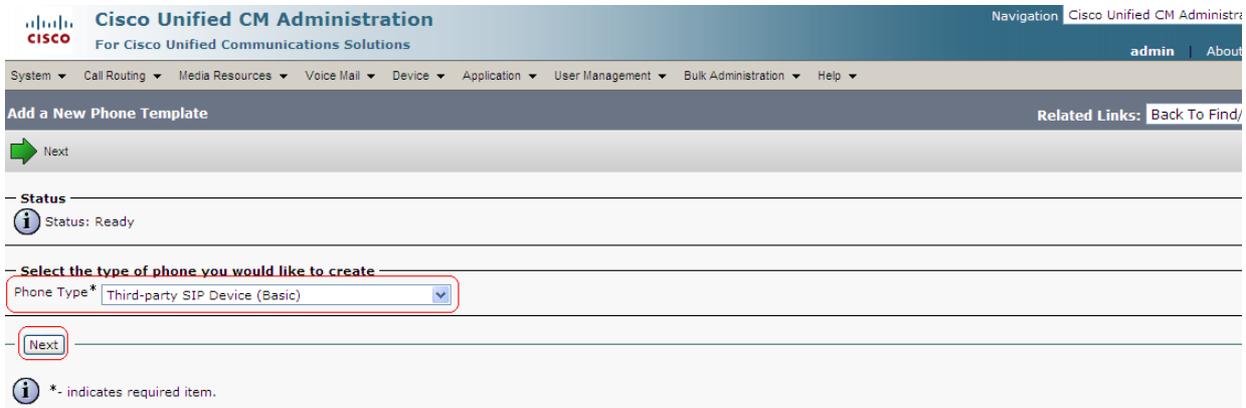
Next you have to create a Phone Template and a User Template. To create a Phone Template, go to *Bulk Administration -> Phones -> Phone Template*.



A page similar to the one below appears:



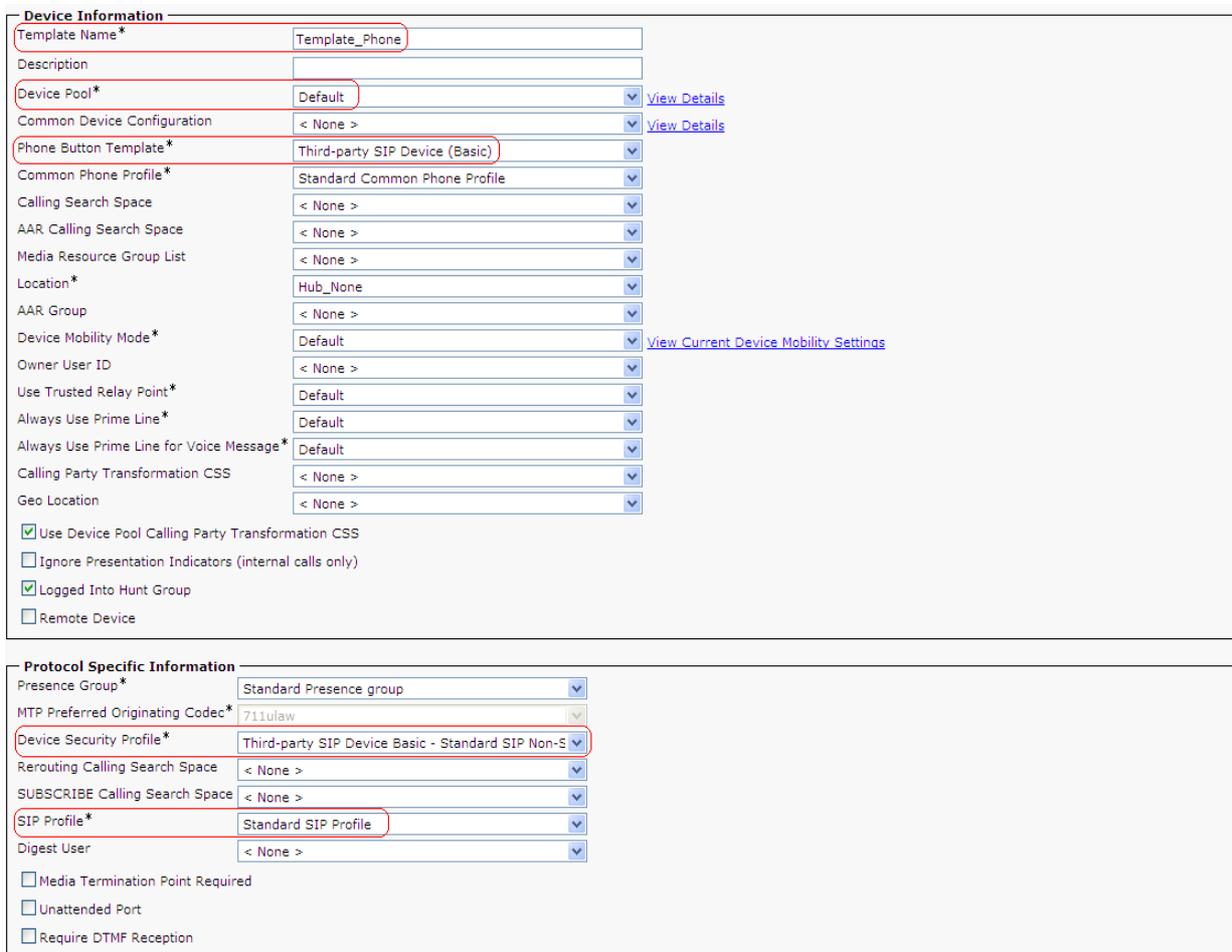
Click on Add New to add a new phone template. A new window appears as below. Make sure to select Phone type to be Third-Party SIP Device (Basic) and then click on Next.



A new page is displayed as below. Make sure to fill the following fields as below:

- **Template Name:** a name of your choice. Ex: Template\_Phone
- **Device Pool:** set to Default
- **Phone Button Template:** set to Third-party SIP Device (Basic)
- **Device Security Profile:** set to Third-party SIP Device Basic – Standard SIP Non-Secure
- **Sip Profile:** set to Standard SIP Profile

Click on Save after you finished storing the information.



Click on Add a new DN button:

**Association Information**

Modify Button Items

1 Line [1] - Add a new DN

**Phone Type**

Product Type: **Third-party SIP Device (Basic)**

Device Protocol: **SIP**

---

**Device Information**

Is Active

Template Name\*

Description

Device Pool\*  [View Details](#)

Common Device Configuration  [View Details](#)

Phone Button Template\*

Common Phone Profile\*

Calling Search Space

AAR Calling Search Space

Media Resource Group List

Location\*

AAR Group

Device Mobility Mode\*  [View Current Device Mobility Settings](#)

Owner User ID

Use Trusted Relay Point\*

Always Use Prime Line\*

Always Use Prime Line for Voice Message\*

Calling Party Transformation CSS

Geo Location

Use Device Pool Calling Party Transformation CSS

Ignore Presentation Indicators (internal calls only)

Logged Into Hunt Group

Remote Device

**Protocol Specific Information**

Presence Group\*

MTP Preferred Originating Codec\*

Device Security Profile\*

Rerouting Calling Search Space

SUBSCRIBE Calling Search Space

SIP Profile\*

Digest User

Media Termination Point Required

A page similar to the one below appears. Fill the Line Template Name with a name of your choice and make sure Active check box is enabled. Press Save to store the information.



**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

Navigation Cisco Unified

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System ▾ Call Routing ▾ Media Resources ▾ Voice Mail ▾ Device ▾ Application ▾ User Management ▾ Bulk Administration ▾ Help ▾
Related Links: [Configure Device \(T](#)

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 Save

---

**Status**

 Status: Ready

---

**Directory Number Information**

Line Template Name\* Template\_Line1

Route Partition

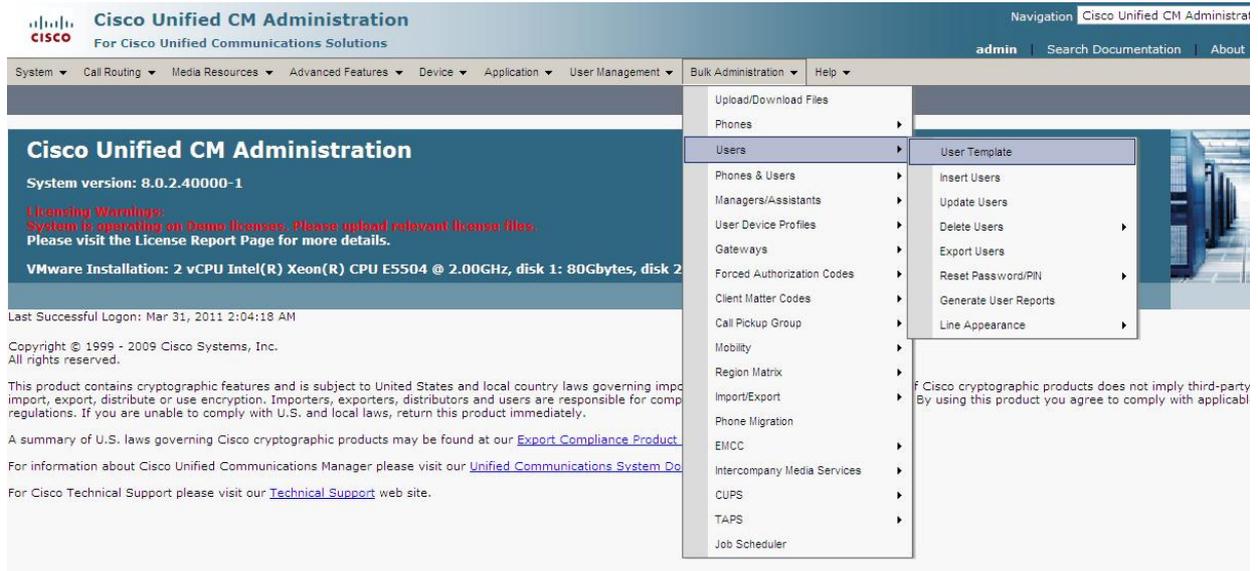
Description

Alerting Name

ASCII Alerting Name

Active

To create a Users Template, go to *Bulk Administration -> Users -> Users Template*:



ERROR: stackunderflow  
OFFENDING COMMAND: ~

STACK: