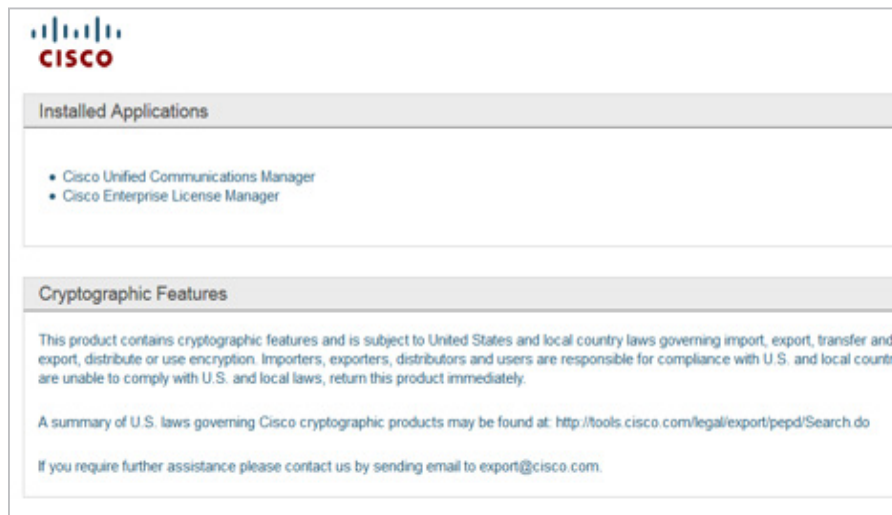


Setting up Symetrix 2 Line VoIP Interface for use with Cisco Unified Communications Manager

This guide provides the detailed steps required to both create an account on a CUCM v9.x with the bare minimum required/recommended settings, and to register a Symetrix 2 Line VoIP Interface card to the CUCM.

Navigating to the CUCM

1. Enter the IP address of the server into a browser's address bar and press Enter (example: 10.30.0.50)
2. Click on Cisco Unified Communications Manager
3. Type in your Username and Password and select Login.



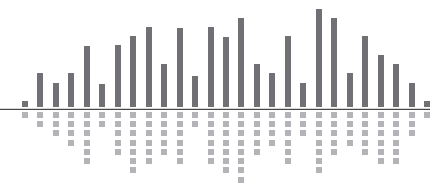
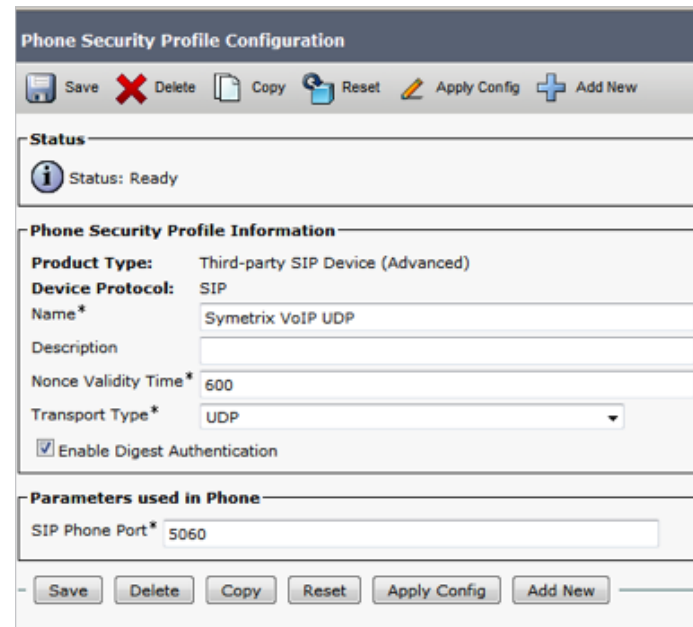
Preparing the CUCM

Note: : All fields marked with an "*" in CUCM are required for proper setup, some of these fields are set by default

The steps to create a user account and the related phone information are described next.

1) Create a Phone Security Profile

- a. Select System>Security>Phone Security Profile
- b. Click Add New
- c. Under Phone Security Profile Type select Third-party SIP Device (Advanced) and select Next (Basic – single line device)
 - i. Enter the Security Profile Name under "Name*" (Symetrix VoIP UDP, in this example)
 - ii. Select the desired Transport Type (UDP in this example)
 - iii. Check Enable Digest Authentication (we recommend using authentication credentials)
- d. Click Save.



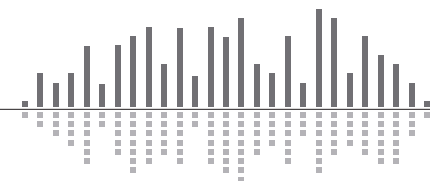
2) Create an End User

- a. Select User Management>>End User
- b. Click Add
 - i. Create User ID (Symetrix, in this example)
 - ii. Last Name (Inc. in this example)
 - iii. Digest Credentials (used for authentication) (12345 in this example)
- c. Click Save

3) Create a Phone

- a. Select Device>Phone
- b. Click Add New
- c. From Phone Type, Select Third-party SIP Device (Advanced) and then click Next
- d. Device Information box
 - i. Enter the MAC Address of the Symetrix 2 Line VoIP Interface card, and description (optional, will default to SEP+MAC Address if left blank)
 - ii. Device Pool = Default
 - iii. Phone Button Template = Third-party SIP Device (Advanced)
- e. Protocol Specific Information box
 - i. Device Security Profile = Name of security profile created in step 1)
 - ii. SIP Profile = Standard SIP Profile
 - iii. Digest User = End User Created in step 2)
- f. Click Save

Note: If only a single line registration is required, we may be able to support the Third-party SIP Device (Basic) option.



Protocol Specific Information

BLF Presence Group* Standard Presence group

MTP Preferred Originating Codec* 711ulaw

Device Security Profile* Symetrix VoIP UDP

Rerouting Calling Search Space < None >

SUBSCRIBE Calling Search Space < None >

SIP Profile* Standard SIP Profile

Digest User Symetrix

Media Termination Point Required

Unattended Port

Require DTMF Reception

Allow Presentation Sharing using BFCP

Allow iX Applicable Media

4) Setup Directory Numbers (DN) for the device (this is the extension number)

- a. Click on Line [1] – Add a new DN link on left of page
- b. Directory Number Information box
 - i. Enter a Directory Number (311 in this example)
 - ii. Enter an Alerting Name (Note: ASCII Alerting Name field will auto fill when this is entered)
- c. Line 1 on Device (description given previously) box (Optional)
 - i. Enter Display (Caller ID) (Note: ASCII Display (Caller ID) field will auto fill when this is entered)
- d. Click Save
- e. Click GO next to “Related Links: Configure Device (description given previously) to return to the Phone Configuration page
- f. Click on Line [2] – Add a new DN link and follow steps b through e above to register the second line on the Symetrix 2 Line VoIP Interface card.
- g. Click Save

Directory Number Information

Directory Number* 311

Route Partition < None >

Description

Alerting Name Symetrix

ASCII Alerting Name Symetrix

Active

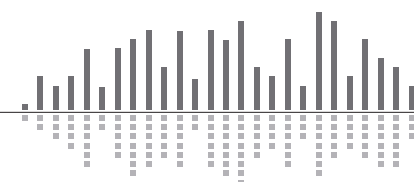
Line 1 on Device SEP000CD000C388

Display (Caller ID) Symetrix

ASCII Display (Caller ID) Symetrix

External Phone Number Mask

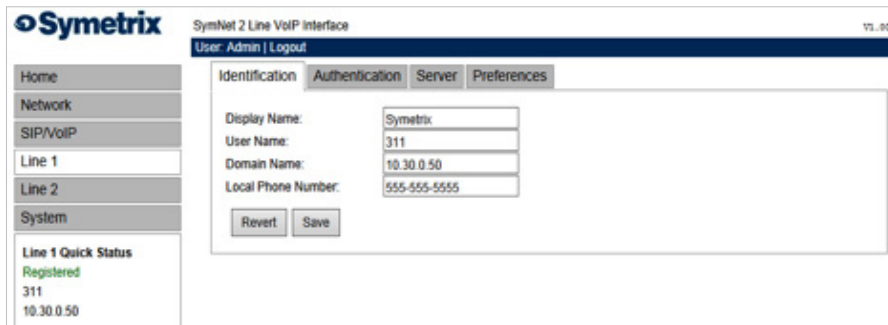
Monitoring Calling Search Space < None >



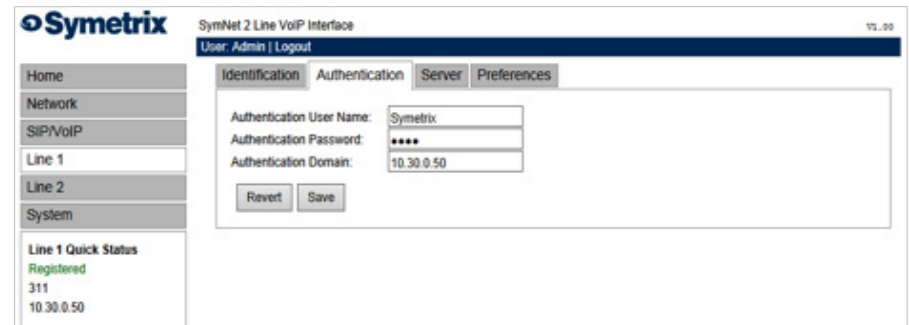
Registering the Symetrix 2 Line VoIP Interface

Now that the Cisco CUCM is ready for the Symetrix 2 Line VoIP Interface card, it is time to put the appropriate CUCM credentials into the Symetrix Web Admin tool.

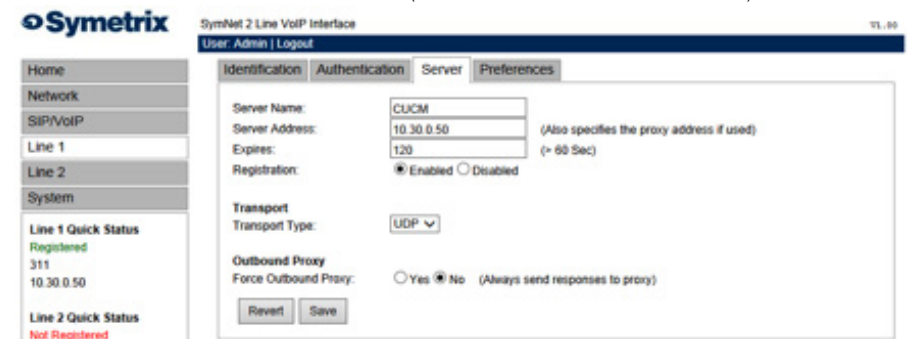
- 1) Setting up Line 1
 - a. Identification tab
 - i. Display Name (any display name you want)
 - ii. User Name (this will be the Directory Number for one of the lines created in CUCM, 311 in this example)
 - iii. Domain Name (server IP address, 10.30.0.50 in this example)
 - iv. Local Phone Number (This is the number which a far end would dial to call the card)



- b. Authentication tab
 - i. Authentication User Name = this will be the End User created in CUCM that the Phone was associated with (Symetrix in this example)
 - ii. Authentication Password = this will be the Digest Credentials entered for the End User created in CUCM (12345 in this example)
 - iii. Authentication Domain (typically the same address as the CUCM, 10.30.0.50 in this example)



- c. Server tab
 - i. Server Name
 - ii. Server Address (this is the address of the CUCM)



**To set up Line 2 follow the same steps as Line 1, but the User Name will be the Directory Number created for the second line of the device in CUCM*

