



Algo 8301 Paging Adapter & Scheduler Device Registration with CUCM 12.0

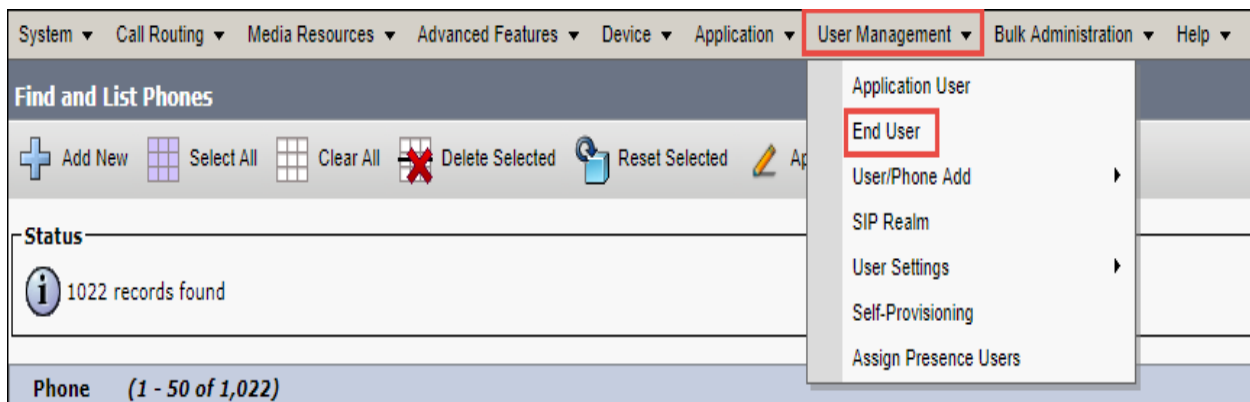
Configurations in CUCM

For registering Algo 8301 Paging Adapter & Scheduler in Cisco Unified Communications Manager configure:

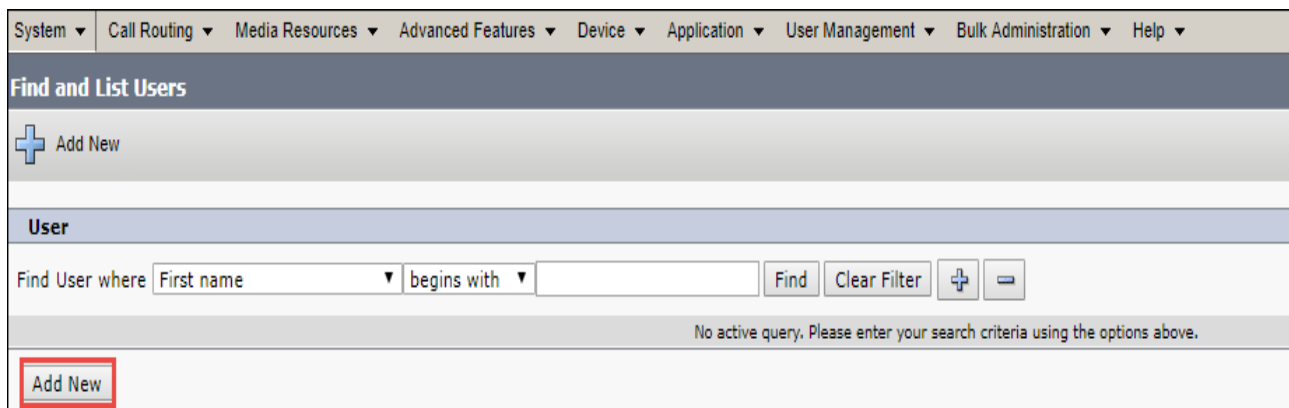
1. End User in CUCM
2. Add a new Phone and associate with the end user created.
3. Provide the end user details in Algo 8301 Paging Adapter & Scheduler web interface.

Configuration of End user in CUCM

Navigation: User Management >>End User




1. Select Add New




2. User ID: 7002 (which is used in this example)
3. Password: <Password>
4. PIN: <PIN>
5. Last Name: User

End User Configuration

 Save

Status

 Status: Ready

User Information

User Status	Enabled Local User
User ID*	7002
Password
Confirm Password
Self-Service User ID	
PIN
Confirm PIN
Last name*	user

6. Digest Credentials: 123456 is used in this example.
7. Confirm Digest Credentials: 123456 is used in this example.
8. Save the configuration.

Associated PC/Site Code	<input type="text"/>
Digest Credentials
Confirm Digest Credentials
User Profile	Use System Default("Standard (Factory Default) Us" View Details
User Rank*	1-Default User Rank

Service Settings

Home Cluster

Enable User for Unified CM IM and Presence (Configure IM and Presence in the associated UC Service Profile)

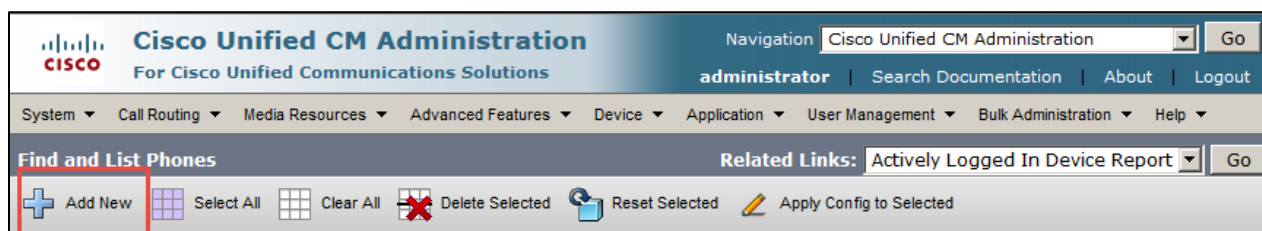
Configuration of Third-party client

The following procedure describes the configuration of third-party client on CUCM.

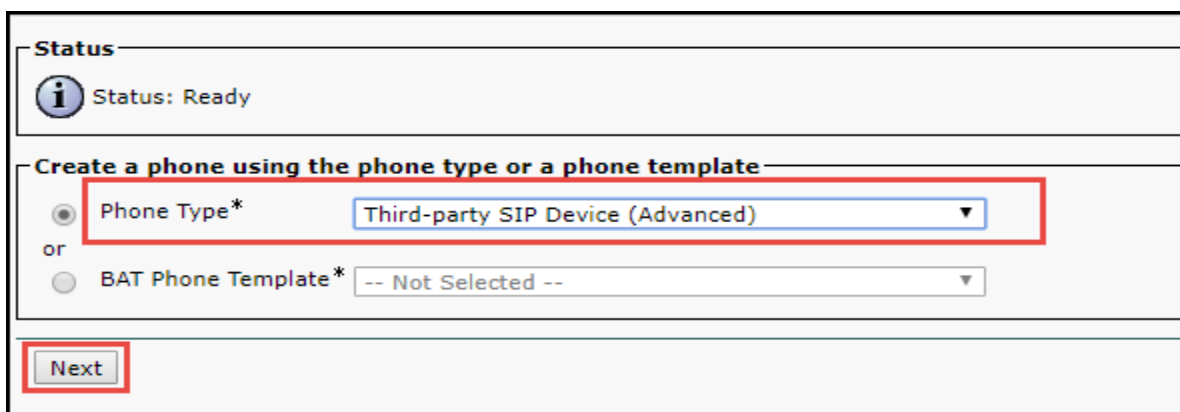
Navigation: Device >>Phone



Select “Add new”




In “Add a New Phone” page, Select Phone type as **Third-party SIP Device (Advance)**.



The screenshot shows the 'Add a New Phone' form in the Cisco Unified CM Administration interface. The 'Phone Type*' dropdown menu is highlighted with a red box and contains the selection 'Third-party SIP Device (Advanced)'. The 'BAT Phone Template*' dropdown menu is set to '-- Not Selected --'. A 'Next' button is also highlighted with a red box. The form includes a 'Status' section showing 'Status: Ready' and a section titled 'Create a phone using the phone type or a phone template'.

Enter the following details in “Phone Configuration” page:

1. **MAC Address:** Give the Mac address of the device (used as an example)
2. **Device Pool:** Select Default.
3. **Phone Button Template:** Third-party SIP Device (Advanced).
4. **Owner:** Select User
5. **Owner User ID:** 7002 (Select corresponding End User created)

Device Information	
 Device is not trusted	
MAC Address*	0022EE0A26A9
Description	SEP0022EE0A26A9
Device Pool*	Default View Details
Common Device Configuration	< None > View Details
Phone Button Template*	Third-party SIP Device (Advanced)
Common Phone Profile*	Standard Common Phone Profile View Details
Calling Search Space	< None >
AAR Calling Search Space	< None >
Media Resource Group List	< None >
Location*	Hub_None
AAR Group	< None >
Device Mobility Mode*	Default
Owner	<input checked="" type="radio"/> User <input type="radio"/> Anonymous (Public/Shared Space)
Owner User ID*	7002

6. **Device Security Profile:** Third-party SIP Device Advanced – Standard SIP Non-Secure Profile
7. **SIP Profile:** Select Standard SIP Profile.
8. **DIGEST User:** Select the End user created.

Protocol Specific Information

BLF Presence Group*

MTP Preferred Originating Codec*

Device Security Profile*

Rerouting Calling Search Space

SUBSCRIBE Calling Search Space

SIP Profile* [View Details](#)

Digest User

Media Termination Point Required

Unattended Port

Require DTMF Reception

Allow Presentation Sharing using BFCP

Allow iX Applicable Media

MLPP and Confidential Access Level Information

MLPP Domain

Confidential Access Mode

Confidential Access Level

- 9 Save the Configuration.
- 10 Configuring Directory Number by Selecting the Line under “Association” and provide the Directory Number for both page and ring extension.

Association

1	<input type="checkbox"/> 778 Line [1] - Add a new DN <input type="checkbox"/> 779
2	<input type="checkbox"/> 778 Line [2] - Add a new DN <input type="checkbox"/> 779
3	<input type="checkbox"/> 778 Line [3] - Add a new DN <input type="checkbox"/> 779
4	<input type="checkbox"/> 778 Line [4] - Add a new DN <input type="checkbox"/> 779
5	<input type="checkbox"/> 778 Line [5] - Add a new DN <input type="checkbox"/> 779

Phone Type

Product Type: Third-party SIP Device (Advanced)
Device Protocol: SIP

Real-time Device Status

Registration: Unknown
IPv4 Address: None

Device Information

Is Active

- 11 Give the directory number for page extension as 7002 as an example

Status

Status: Ready

Directory Number Information


Directory Number* Urgent Priority

Route Partition

Description

12 Give the directory number for page extension as 8025 as an example

Status

 Directory Number Configuration has refreshed due to a directory number change. Please click Save button

Directory Number Information

Directory Number* Urgent Priority

Route Partition

Description

Also associate the End user to the Line

Users Associated with Line

Select the associated end user


User (1 - 27 of 27)

Find User where

<input type="checkbox"/>	User ID ^	Meeting Number	First Name	Last Name	Department
<input type="checkbox"/>	1002	1002		1002	
<input type="checkbox"/>	1800	1800		1800	
<input checked="" type="checkbox"/>	7002	7002		7002	
<input type="checkbox"/>	8521	8521		8521	
<input type="checkbox"/>	9411	9411		9411	

Algo 8301 Paging Adapter & Scheduler Configuration

Enter the application webpage (ip address) using default password

8301 Paging Adapter & Scheduler Control Panel

Welcome to the Algo 8301 Paging Adapter & Scheduler Control Panel

Setting up your Paging Adapter & Scheduler:

Step 1: Configure your Paging Adapter & Scheduler

Log in with the default password and use the Basic Settings pages to set up the basic information.

Step 2: Check network settings (Optional)

Use the Network page under the Advanced Settings tab to change network settings. The default setting for the device is to obtain its IP address via DHCP. You can also plan to assign a static IP address, Mask, and Gateway to the device.

Step 3: Secure your Paging Adapter & Scheduler (Optional)

Use the Admin page under the Advanced Settings tab to change the administrator password.
⚠️ Changing the password is extremely important if the device is directly connected to a public network.

Step 4: Register your Paging Adapter & Scheduler (Optional)

Please register your product using the link below:
<http://www.algosolutions.com/register>

Registration ensures your access to the latest upgrades to this product and important service notices.

Login

Password (default: **algo**)

Follow the steps given below

1. Enter **SIP domain** : CUCM IP address with the port number
2. **Ring/Alert mode** : select the monitor mode
3. **Ring extension** : ring extension dn (it is used for ring notification)
4. **Authentication ID** : End user authentication
5. **Authentication password** : End User pin

ALGO

8301 Paging Adapter & Scheduler Control Panel

Status **Basic Settings** Additional Features Scheduler Advanced Settings System Logout

SIP Features Multicast


SIP Settings


SIP

i This section allows the SIP server information & account credentials to be entered. This information should be obtained from your telephone system see the [Status](#) tab to confirm successful registration.

SIP Domain (Proxy Server)	10.71.8.10:5060
	<i>i</i> Default port is 5060. To specify a different port, enter PROXY
Ring/Alert Mode	<input checked="" type="radio"/> Monitor "Ring" event on registered SIP extension <input type="radio"/> None
Ring Extension	8025
Authentication ID	7002
Authentication Password <i>i</i>
Display Name (Optional)	ring

6. **Page extension:** page extension dn (it is used for page dialing and talk back facility).
7. **Authentication ID :** End user authentication
8. **Authentication password :** End User pin

Page Extension	<input type="text" value="7002"/>
Authentication ID	<input type="text" value="7002"/>
Authentication Password	<input type="password" value="*****"/> 
Display Name (Optional)	<input type="text" value="page"/>


 The device will auto-answer any inbound call received on this extension and provide a voice paging path (and multicast if configured).


Click **Save** to save the configurations.

Check the **status** on the webpage or navigate to **status** tab after the configuration.

SIP Settings

SIP

 This section allows the SIP server information & account credentials to be entered. This information should be obtained from your SIP provider. See the **Status** tab to confirm successful registration.

SIP Domain (Proxy Server)  Default port is 5060. To specify a different port, enter the port number.

Ring/Alert Mode Monitor "Ring" event on registered SIP extension None

Status

Device Name	siphorn		
SIP Registration	Page Ring #1	Successful Successful	(Extension 7002) (Extension 8025)
Call Status	Idle		
Proxy Status	Single proxy mode		
Security	TLS	Disabled	
	S RTP	Disabled	

The two extensions page extension and ring extension is successfully registered.