



Algo 8201 SIP Intercom Device Registration with CUCM 12.0

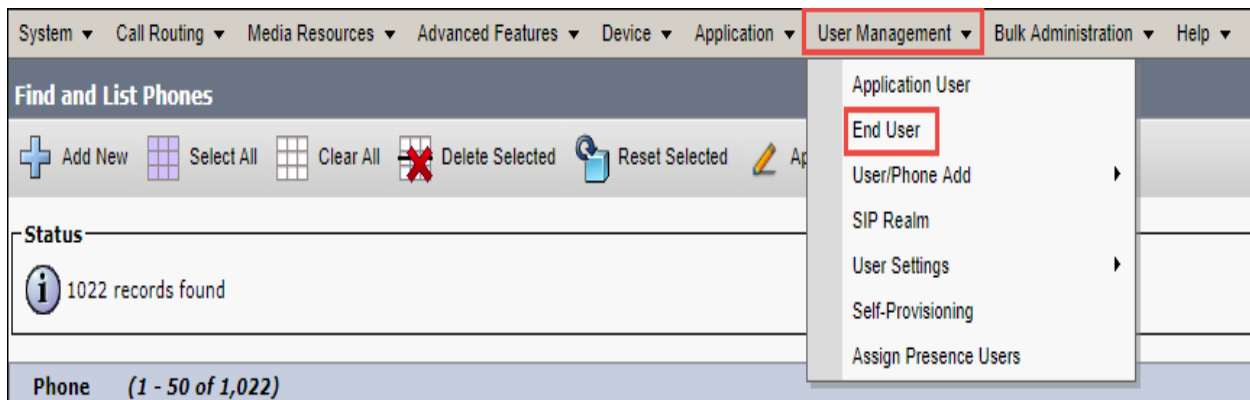
Configurations in CUCM

For registering Algo 8201 SIP Intercom in Cisco Unified Communications Manager configure:

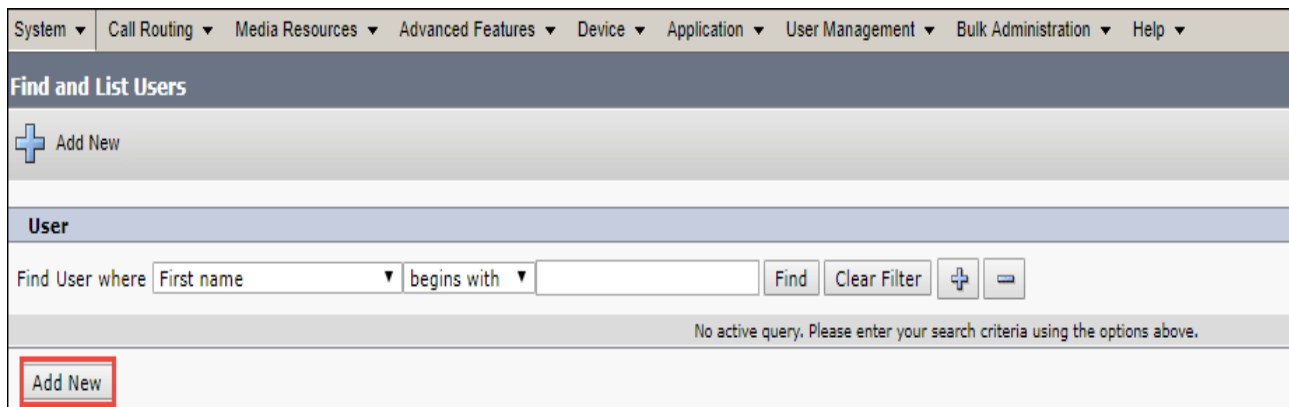
1. End User in CUCM
2. Add a new Phone and associate with the end user created.
3. Provide the end user details in Algo 8201 SIP Intercom web page.

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	
Digest Credentials
Confirm Digest Credentials
User Profile	Use System Default("Standard (Factory Default) Us" View Details
User Rank*	1-Default User Rank

Service Settings

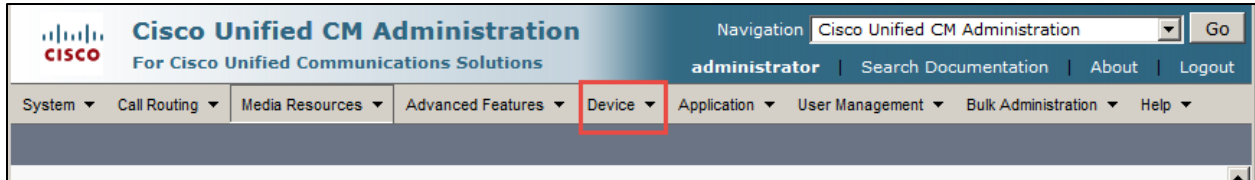
Home Cluster

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

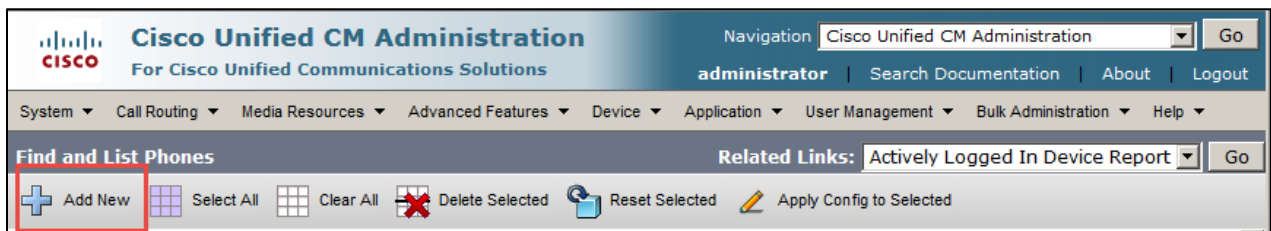
Configuration of Third-party client

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

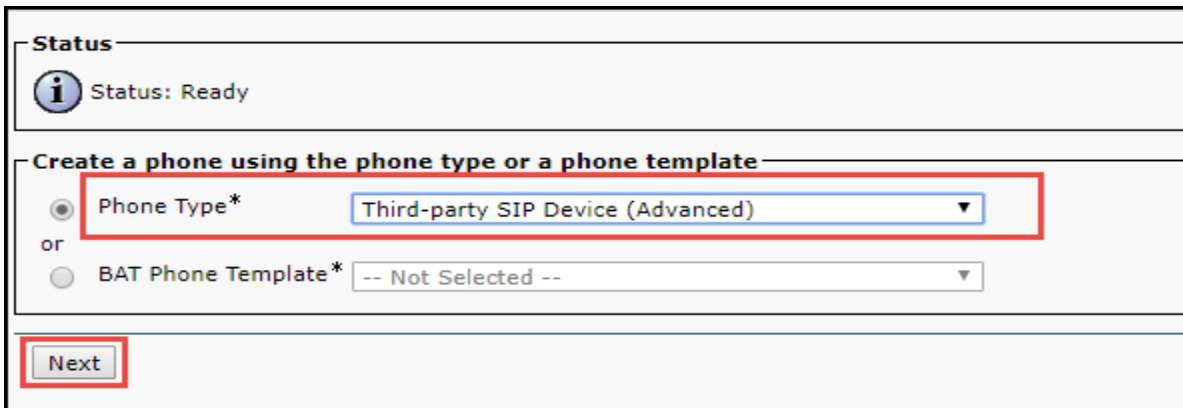
Navigation: Device >>Phone



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. The 'Status' section indicates 'Status: Ready'. The 'Create a phone using the phone type or a phone template' section has two radio buttons: 'Phone Type*' and 'BAT Phone Template*'. The 'Phone Type*' radio button is selected, and its dropdown menu is open, showing 'Third-party SIP Device (Advanced)' selected. The 'BAT Phone Template*' dropdown menu shows '-- Not Selected --'. A 'Next' button is highlighted with a red box at the bottom of the form.

Enter the following details in "Phone Configuration" page:

1. **MAC Address:** 123456ABCDEF (used as an example)
2. **Device Pool:** Select Default.
3. **Phone Button Template:** Third-party SIP Device (Basic).
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 Basic – 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*	Standard Presence group
MTP Preferred Originating Codec*	711ulaw
Device Security Profile*	Third-party SIP Device Advanced - Standard SIP No
Rerouting Calling Search Space	< None >
SUBSCRIBE Calling Search Space	< None >
SIP Profile*	Standard SIP Profile View Details
Digest User	7002
<input type="checkbox"/> Media Termination Point Required	
<input type="checkbox"/> Unattended Port	
<input type="checkbox"/> Require DTMF Reception	
<input type="checkbox"/> Allow Presentation Sharing using BFCP	
<input type="checkbox"/> Allow iX Applicable Media	
MLPP and Confidential Access Level Information	
MLPP Domain	< None >
Confidential Access Mode	< None >
Confidential Access Level	< None >
<input type="button" value="Save"/>	

- 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 <input type="button" value="Modify Button Items"/>		Phone Type Product Type: Third-party SIP Device (Advanced) Device Protocol: SIP	
1	<input type="checkbox"/> 778 <input type="checkbox"/> 779 Line [1] - Add a new DN	Real-time Device Status Registration: Unknown IPv4 Address: None	
2	<input type="checkbox"/> 778 <input type="checkbox"/> 779 Line [2] - Add a new DN	Device Information <input type="checkbox"/> Is Active	
3	<input type="checkbox"/> 778 <input type="checkbox"/> 779 Line [3] - Add a new DN		
4	<input type="checkbox"/> 778 <input type="checkbox"/> 779 Line [4] - Add a new DN		
5	<input type="checkbox"/> 778 <input type="checkbox"/> 779 Line [5] - Add a new DN		

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

Status <input type="button" value="i"/> Status: Ready	
Directory Number Information	
Directory Number*	7002 <input type="checkbox"/> Urgent Priority
Route Partition	< None >
Description	

Also associate the End user to the Line

Users Associated with Line	
<input type="button" value="Associate End Users"/>	
<input type="button" value="Save"/> <input type="button" value="Delete"/> <input type="button" value="Reset"/> <input type="button" value="Apply Config"/> <input type="button" value="Add New"/>	

Select the associated end user

User (1 - 27 of 27)						
Find User where <input type="text" value="First name"/> <input type="text" value="begins with"/> <input type="button" value="Find"/> <input type="button" value="Clear Filter"/> <input type="button" value="+"/> <input type="button" value="-"/>						
<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 8201 SIP Intercom Configuration

Enter the application webpage (using device ip address) using default password

The screenshot shows the ALGO 8201 SIP PoE Intercom Control Panel. At the top, there is a header with the ALGO logo on the left and the title "8201 SIP PoE Intercom Control Panel" on the right. Below the header, a welcome message reads "Welcome to the Algo 8201 SIP PoE Intercom Control Panel". Underneath, it says "Setting up your SIP PoE Intercom:" followed by four steps: Step 1: Configure your SIP PoE Intercom, Step 2: Check network settings (Optional), Step 3: Secure your SIP PoE Intercom (Optional), and Step 4: Register your SIP PoE Intercom (Optional). At the bottom, there is a "Login" section with a text input field for "Password (default: algo)" and a "Login" button. The password field contains three dots, indicating it is masked.

1. Enter SIP domain : CUCM IP address with the port number
2. SIP extension : sip extension dn
3. Authentication ID : End user authentication
4. Authentication password : End User pin
5. Extension to dial : any extension dn to be dialed when intercom button is pressed

The screenshot shows the "SIP Settings" configuration page. It features a title "SIP Settings" and a sub-section "SIP" with an information icon and a note: "This section allows the SIP server information & account credentials to be entered. This information should be obtained from your telephone system and the Status tab to confirm successful registration." Below this, there are four configuration fields, each with a red border: "SIP Domain (Proxy Server)" with the value "10.71.3.10:5060" and a note "Default port is 5060. To specify a different port, enter PROXY:PORT"; "SIP Extension" with the value "7002"; "Authentication ID" with the value "7002"; and "Authentication Password" with masked characters "...." and a show/hide icon. At the bottom, there is an "Extension to Dial" field with the value "3004" and a note "Phone number to be dialed when the call button is pressed."

Click **Save** to save the configurations.

Check the status on the webpage after the configuration.

Status		
Device Name	sipintercom	
SIP Registration	Page	Successful
Call Status	Idle	
Proxy Status	Single proxy mode	

The SIP intercom is successfully registered.