

First, let's configure a new Phone Security Profile for the SIP phone.

01) Go to **SYSTEM | SECURITY PROFILE | PHONE SECURITY PROFILE**

02) Simply hit **FIND** and scroll down to the bottom of the list (you may need to click to a second page) and locate "**Third-party SIP Device Basic – Standard SIP Non-Secure Profile**" and click on it

03) Once you see it's properties, simply hit **COPY** to create a new copy of it. Give the new phone security profile a name, I'm using "**Third-party SIP Device Basic – Digest**"

04) Check the checkbox next to **ENABLE DIGEST AUTHENTICATION** and hit **SAVE**

Phone Security Profile Configuration

Save X Delete Copy Refresh Add New

Status
Manual Ready

Phone Security Profile Information

Profile Type: Third-party SIP Device (Basic)
Device Protocol: SIP
Name*: Third-party SIP Device Basic - Digest
Description: Third-party SIP Device (Basic) - Digest
Max. Validity Time*: 600
Transport Type*: TCP/UDP

Enable Digest Authentication

Parameters used in Phone

SIP Phone Port*: 5060

Now let's build a user to authenticate the SIP device

1) GO to **USER MANAGEMENT | END USER** and click **ADD NEW**

2) Enter in your **USER ID, PASSWORD, PIN, and LAST NAME**

3) You must also enter in a password in the **DIGEST CREDENTIALS** and **CONFIRM DIGEST CREDENTIALS** field – this is the password that the SIP client will use to authenticate

UPDATE NOTE: If you are Active Directory Integrated, you still set the DIGEST CREDENTIALS in CUCM and use these credentials on the sip client.

04) Click **SAVE**

***remember the UserID and Password and DN of the device.

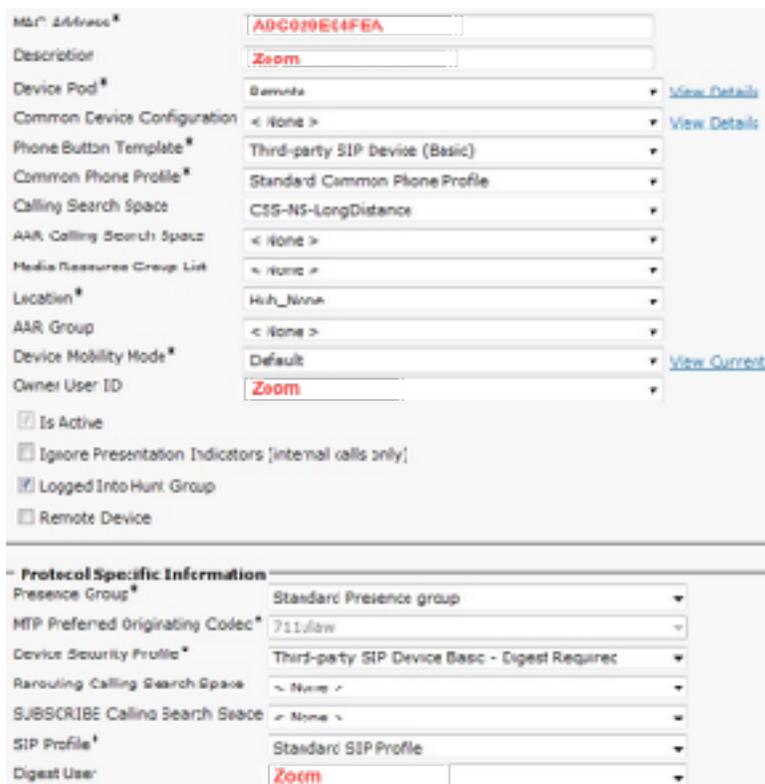
The screenshot displays the 'End User Configuration' window. At the top, there are buttons for 'Save', 'Delete', and 'Add New'. Below this is a 'Status' section showing 'Status: Ready'. The main area is titled 'User Information' and contains the following fields:

- User ID*: Zoom
- Password: [Masked]
- Confirm Password: [Masked]
- PIN: [Masked]
- Confirm PIN: [Masked]
- Last name*: Zoom
- Middle name: [Empty]
- First name: [Empty]
- Telephone Number: [Empty]
- Mail ID: [Empty]
- Manager User ID: [Empty]
- Department: [Empty]
- User Locale: < None >
- Associated PC: [Empty]
- Digest Credentials: [Masked]
- Confirm Digest Credentials: [Masked]

Next let's build the SIP phone in CUCM

- 1) Go to **DEVICE | PHONE** and click **ADD NEW**
- 2) Select **THIRD-PARTY SIP DEVICE (BASIC)** and click **NEXT**
- 3) Enter in a 12 digit MAC address (this have to be a valid MAC address)
- 4) Enter the pertinent information for the SIP DEVICE settings – it should mostly be configured the same as a standard phone on your system except for the following settings
 - a) in the **OWNER USER ID** field select the user you created above
 - b) in the **DEVICE SECURITY PROFILE** field select the security profile you created above
 - c) in the **DIGEST USER** field select the user you created above
- 05) click **SAVE**

06) Configure the line settings for the SIP device – the line settings should match the line settings of your standard user's Cisco IP phones (For this we'll use 7154545 as DN) – there are no special attributes that we need to worry about on the line configuration.



MAC Address*	ADC029E64FEA
Description	Zoom
Device Pod*	Samata 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	CSS-NS-LongDistance
AAR Calling Search Space	< None >
Media Resource Group List	< None >
Location*	Hsh_None
AAR Group	< None >
Device Mobility Mode*	Default View Current
Owner User ID	Zoom
<input type="checkbox"/> Is Active	
<input type="checkbox"/> Ignore Presentation Indicators [internal calls only]	
<input checked="" type="checkbox"/> Logged Into Hunt Group	
<input type="checkbox"/> Remote Device	
Protocol Specific Information	
Presence Group*	Standard Presence group
RTP Preferred Originating Codec*	711/low
Device Security Profile*	Third-party SIP Device Basic - Digest Required
Rerouting Calling Search Space	< None >
SUBSCRIBE Calling Search Space	< None >
SIP Profile*	Standard SIP Profile
Digest User	Zoom

Now let's go back to the user configuration and associate this device

01) Go to **USER MANAGEMENT | END USER** and search for the SIP user you created above, once you find it, click on it

02) scroll down to **DEVICE ASSOCIATIONS** and click on the **DEVICE ASSOCIATION** button

03) locate and select the SIP device you created above

04) Check the checkbox next to this device and click **SAVE SELECTED/CHANGES**

05) Click **GO** next to the **BACK TO USER** related link near the upper right-hand corner

06) Click **SAVE** one more time on the **END USER CONFIGURATION** screen

You have completed the steps to configure the SIP device in CUCM.

Go to Zoom web portal and fill in the information that you have obtained from the PBX.

<p>SIP Phone Integration <small>Add</small></p> <p>Transport protocol <input type="text" value="UDP"/></p> <p>User Name* <input type="text" value="7154545"/></p> <p>Domain <input type="text" value="example.company.com"/></p> <p>Password <input type="password" value="password"/></p> <p>Authorization Name* <input type="text" value="Zoom"/></p> <p>Registrar Server* <input type="text" value="10.242.55.13"/></p>	<p>Transport protocol: UDP</p> <p>User Name*: 7154545 (This should be the DN)</p> <p>Password: password (whatever the digest password you set on the user information)</p> <p>Authorization Name*: Zoom</p> <p>Registrar Server*: This will be the subscriber of the DP (Primary server the device registers to)</p>