Overview

This application note provides the steps necessary to register the 8180 on a UC5xx system using the CLI (Command Line Interface). The instructions are provided in the form of an example: Configuring an 8180 to ring when an existing Cafeteria phone is called. The example uses a Hunt Group to ring the 8180 when the Cafeteria phone rings.

*If your application is for dial-up paging (rather than loud ring notification), then there will be no need for a Hunt Group.*

Summary of Setup Process in CLI

- Create a Loopback Interface for the SIP phones to register to
- Allow SIP phones to call each other and enable IOS SIP Registrar
- Set Codec preference
- Configure the Voice Register
- Configure the Directory Number for the 8180
- Create the Phone with the 8180’s MAC address and associate DN
- Create a Hunt Group and associate both Cafeteria phone and 8180 extensions to ring simultaneously

*The steps shown in this application note use the CLI instead of the CCA (Cisco Configuration Assistant) because the CCA does not currently allow SIP devices to be added on a UCSXX system. This is expected to change in future versions.*
CLI Instructions (complete with Comments)

!Create a Loopback Interface that will act as a source address for your SIP server
interface Loopback100
  ip address 192.168.150.1 255.255.255.0
!Allow SIP phones to call each other and enable IOS SIP Registrar
voice service voip
  allow-connections sip to sip
  sip
    bind control source-interface Loopback100
    registrar server expires max 1200 min 300
!Set Codec preference
voice class codec 1
  codec preference 1 g711ulaw
!Configure the Voice Register. Source address will be the Loopback Interface created earlier.
voice register global
  mode cme
  source-address 192.168.150.1 port 5060
  max-dn 20
  max-pool 10
  authenticate register
  authenticate realm cisco.com
  create profile
!Configure the Directory Number for the 8180
voice register dn 1
  number 350
  name Algo alerter
  label 6044343350
!Create the Phone with the 8180’s MAC address and associate DN
voice register pool 1
  id mac 001A.6B6C.40C9
  number 1 dn 1
  dtmf-relay rtp-nte (Allows Cisco SCCP phone to pass a DTMF tone to the alerter)
  voice-class codec 1
  username alerter password cisco
!Create a Hunt Group and associate both Cafeteria phone and 8180 extensions to ring simultaneously
(Extensions 350 and 221 will ring when the Pilot # 400 is dialled)
voice hunt-group 1 parallel
list 350, 221
pilot 400
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