Key Product:	**8180 SIP Audio Alerter**
Application:	**Configuring the 8180 on a Cisco UC5XX system**
Summary:	**This application note describes the process to set up the 8180 in Cisco UC5XX. This involves creating a Hunt Group in order to ring the 8180 when another extension rings.**

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 UC5XX 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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