

# SIP Configuration for Cisco Call Manager Express

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There are two ways of configuring our speakers or paging gateway or server for SIP using Cisco's Call Manager Express (CME), a SIP endpoint or a SIP trunk.

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## 1.0 SIP Endpoint

To configure CME to support non-Cisco SIP endpoints using the CLI commands, enter the following:

```
!  
voice service voip  
  sip  
    registrar server expires max 36000 min 600 <-<- make sure this matches the config or  
    the SIP speaker, gateway, or server  
  !  
  voice register global  
    mode cme  
    source-address 192.178.99.1 port 5060 <-<- this is the IP address for the router  
    max-dn 5  
    max-pool 5  
    authenticate realm cisco.com  
    create profile sync 0420545391215172  
  !  
  voice register dn 3  
    number 2501  
    name PagingGateway1  
  !  
  voice register pool 3  
    id mac 0020.F750.0056  
    number 1 dn 3  
    username SipGateway1 password gatepass  
    codec g711ulaw  
  !  
Conf t  
voice register global  
create profile  
!
```

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## 2.0 SIP Trunk

To create a SIP trunk, use the following commands:

```
!  
dial-peer voice 2500 voip  
  session protocol sipv2  
  dtmf-relay sip-notify  
!  
dial-peer voice 2501 voip  
  description Overhead Paging  
  preference 1  
  destination-pattern 55  
  session protocol sipv2  
  session target ipv4:10.200.200.10 <-<- This is the IP address of the speaker, gateway or  
  server.  
  dtmf-relay sip-notify  
  codec g711ulaw  
  no vad
```