

Sample CUBE Configuration

Please note: This document is to provide you with an idea of what a CUBE configuration *might* look like for the two routes that need to be set up.

This is an EXAMPLE only.

1. Do NOT copy line for line.
2. This config has an area that strips off the '+' so not all customers do this.
3. This also has a call manager cluster with three preferences; one of which is pointing to a secondary data center.
4. If DTMF is not working, we have found that Dynamic Payload needs to be checked
 - o Disable: Dynamic Payload Interworking to DTMF

```
voice class dpg 100
dial-peer 3000 preference 1
!
voice class dpg 200
dial-peer 2000 preference 1
dial-peer 9911 preference 1
!
voice class server-group 100
ipv4 10.192.125.18 port 5060 preference 2
ipv4 10.177.144.57 port 5060 preference 3
ipv4 10.192.125.17 port 5060 preference 1
description Customer_CUCM_Cluster
!
voice class server-group 200
ipv4 192.168.8.43 port 5060
ipv4 192.168.9.11 port 5060
```

Customer Initials:

```
description Carrier_SBCs
hunt-scheme round-robin
!
voice class server-group 101
  ipv4 10.192.125.56 port 5060 preference 1
  ipv4 10.192.125.17 port 5060 preference 2
  ipv4 10.192.125.18 port 5060 preference 3
description MUTAREthenUCM
!
!
voice translation-rule 111
  rule 1 /\+1//
!
voice translation-profile CALLBLOCK
  translate calling 20
!
voice translation-profile Strip+1
  translate calling 111
  translate called 111
  translate callback-number 111

dial-peer voice 2000 voip
  description ***Outgoing to PSTN Carrier 10 Digit***
  destination-pattern .T
  session protocol sipv2
  session server-group 200
```

Customer Initials:

```
voice-class codec 1
voice-class sip rel1xx supported "100rel"
voice-class sip asserted-id pai
voice-class sip privacy-policy passthru
voice-class sip early-offer forced
voice-class sip profiles 200
voice-class sip bind control source-interface GigabitEthernet0/0/0
voice-class sip bind media source-interface GigabitEthernet0/0/0
dtmf-relay rtp-nte
fax rate 14400
fax protocol t38 version 0 ls-redundancy 0 hs-redundancy 0 fallback none
no vad
!
dial-peer voice 3000 voip
description ***Outgoing to Customer CUCM***
translation-profile outgoing Strip+1
destination-pattern .T
session protocol sipv2
session server-group 101
voice-class codec 1
voice-class sip profiles 100
voice-class sip options-keepalive profile 2
voice-class sip bind control source-interface GigabitEthernet0/0/1
voice-class sip bind media source-interface GigabitEthernet0/0/1
dtmf-relay rtp-nte
fax rate 14400
```

Customer Initials:

```
fax protocol t38 version 0 ls-redundancy 0 hs-redundancy 0 fallback none
no vad
!
dial-peer voice 10000 voip
description ***INBOUND from Customer CUCM***
session protocol sipv2
destination dpg 200
incoming uri via FromCUCM
voice-class codec 1
voice-class sip bind control source-interface GigabitEthernet0/0/1
voice-class sip bind media source-interface GigabitEthernet0/0/1
dtmf-relay rtp-nte
fax rate 14400
fax protocol t38 version 0 ls-redundancy 0 hs-redundancy 0 fallback none
no vad
!
dial-peer voice 10005 voip
description ***INBOUND from Carrier PSTN***
call-block translation-profile incoming CALLBLOCK
call-block disconnect-cause incoming unassigned-number
session protocol sipv2
session transport udp
destination dpg 100
incoming uri via CarrierSBC
voice-class codec 1
voice-class sip asserted-id pai
```

Customer Initials:

```
voice-class sip privacy-policy passthru
voice-class sip early-offer forced
voice-class sip options-keepalive profile 1
voice-class sip bind control source-interface GigabitEthernet0/0/0
voice-class sip bind media source-interface GigabitEthernet0/0/0
dtmf-relay rtp-nte
fax rate 14400
fax protocol t38 version 0 ls-redundancy 0 hs-redundancy 0 fallback none
no vad
!
dial-peer voice 9911 voip
description ***Outgoing 911 Emergency***
destination-pattern 911$
session protocol sipv2
session server-group 200
voice-class codec 1
voice-class sip profiles 200
voice-class sip bind control source-interface GigabitEthernet0/0/0
voice-class sip bind media source-interface GigabitEthernet0/0/0
dtmf-relay rtp-nte
no vad
```

Customer Initials: