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Introduction

The purpose of this example is to show how to register a Cisco Unified Videoconferencing MCU in H.323 mode with Cisco IOS Gatekeeper at address 10.93.245.65.

Design

The MCU has service prefix 83. On Cisco Unified Communication Manager, you would create an entry for a Gatekeeper and point it to 10.93.245.65. Then you would create a route pattern of 83XXXX for this H.323 trunk. Finally, you would register your H.323 conference room endpoints to this IOS Gatekeeper.

Configuration

Pod1-CUBE# sh run | b gatekeeper gatekeeper

```
zone local POD1 test.com 10.93.245.65
zone prefix POD1 83*
gw-type-prefix 1#* default-technology
no shutdown

!
```

Related show Commands

This section provides information you can use to confirm your configuration is working properly.

Pod1-CUBE#sh gatekeeper ?

```
 calls           Display current gatekeeper call status
 circuits        Display current gatekeeper circuits
 clusters        Display gatekeeper cluster info
 endpoints       Display all endpoints registered with this gatekeeper
 gw-type-prefix  Display Gateway Technology Prefix Table
```

```
performance     Display gatekeeper performance data
servers         Display gatekeeper servers info
status          Display current gatekeeper status
zone            Display zone information
```

Pod1-CUBE#sh gatekeeper end

```
                    GATEKEEPER ENDPOINT REGISTRATION
                    ================================
```

CallSignalAddr Port RASSignalAddr Port Zone Name Type Flags

----- --------------- ----- --------- ---- -----

10.93.245.53 1720 10.93.245.53 1719 POD1 H320-GW

```
   H323-ID: Cisco MCU-010093245053
   Voice Capacity Max.=  Avail.=  Current.= 0
```

10.93.245.67 33096 10.93.245.67 32816 POD1 VOIP-GW

```
   H323-ID: GK_1
   Voice Capacity Max.=  Avail.=  Current.= 0
```

Total number of active registrations = 2

Pod1-CUBE#sh gatekeeper gw GATEWAY TYPE PREFIX TABLE

==========

Prefix: 1#* (Default gateway-technology)

```
 Zone POD1 master gateway list:
   10.93.245.67:33096 GK_1
```

Prefix: 72*

```
 Zone POD1 master gateway list:
   10.93.245.53:1720 Cisco MCU-010093245053
```

Prefix: 70*

```
 Zone POD1 master gateway list:
   10.93.245.53:1720 Cisco MCU-010093245053
```

Prefix: 80*

```
 Zone POD1 master gateway list:
   10.93.245.53:1720 Cisco MCU-010093245053
```

Prefix: 84*

```
 Zone POD1 master gateway list:
   10.93.245.53:1720 Cisco MCU-010093245053
```

Prefix: 71*

```
 Zone POD1 master gateway list:
   10.93.245.53:1720 Cisco MCU-010093245053
```

Prefix: 81*

```
 Zone POD1 master gateway list:
   10.93.245.53:1720 Cisco MCU-010093245053
```

Prefix: 83*

```
 Zone POD1 master gateway list:
   10.93.245.53:1720 Cisco MCU-010093245053
```

Prefix: 87*

```
 Zone POD1 master gateway list:
   10.93.245.53:1720 Cisco MCU-010093245053
```

Prefix: 85*

```
 Zone POD1 master gateway list:
   10.93.245.53:1720 Cisco MCU-010093245053
```

Pod1-CUBE#

Show running-config

! version 15.0 service timestamps debug datetime msec service timestamps log datetime msec no service password-encryption ! hostname Pod1-CUBE ! boot-start-marker boot-end-marker !

no aaa new-model ! ! ! ! no ipv6 cef ip source-route ip cef ! ! ! ! ! multilink bundle-name authenticated ! ! ! ! ! ! ! voice-card 0 ! ! ! redundancy ! ! ! ! ! ! ! ! ! interface GigabitEthernet0/0

```
ip address 10.93.245.65 255.255.255.0
duplex auto
speed auto
!
```

! interface GigabitEthernet0/1

```
no ip address
shutdown
duplex auto
speed auto
!
```

! interface GigabitEthernet0/2

```
no ip address
shutdown
duplex auto
speed auto
```

==========

!

! ip forward-protocol nd ! no ip http server no ip http secure-server ! ip route 0.0.0.0 0.0.0.0 10.93.245.1 ! control-plane

!

! gatekeeper

```
zone local POD1 test.com 10.93.245.65
zone prefix POD1 83*
gw-type-prefix 1#* default-technology
no shutdown
```

! ! end

Related Information

http://www.cisco.com/en/US/products/sw/voicesw/index.html

Videoconferencing SRND http://www.cisco.com/en/US/docs/video/cuvc/design/guides/srnd/vidcompo.html