

## Contents

- [1 Introduction](#)
- [2 Design](#)
- [3 Configuration](#)
- [4 Related show Commands](#)
  - ◆ [4.1](#)
- [5 Show running-config](#)
- [6 Related Information](#)

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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
```

## Gatekeeper\_for\_Cisco\_Unified\_Videoconferencing\_MCU\_Configuration\_Example

```
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 RASignalAddr 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
```

Related show Commands

## Gatekeeper\_for\_Cisco\_Unified\_Videoconferencing\_MCU\_Configuration\_Example

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
```

```
=====
```

## Gatekeeper\_for\_Cisco\_Unified\_Videoconferencing\_MCU\_Configuration\_Example

!

```
! 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>