



## Cisco Unified CME Commands: G

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# gsm-support

To define the gsm support for a Cisco Unified SIP IP phone on Cisco Unified CME, use the **gsm-support** command in voice register pool-type mode. To remove the gsm support, use the **no** form of this command. **no** form is typically used to override the inherited property of the reference ephone with default value.

**gsm-support**  
**nogsm-support**

## Syntax Description

This command has no arguments or keywords.

## Command Default

By default, the gsm-support is not enabled. When **reference-pooltype** is configured, the **gsm-support** value of the reference phone is inherited.

## Command Modes

Voice Register Pool-type Configuration (config-register-pooltype)

## Command History

Release	Cisco Product	Modification
15.3(3)M	Cisco SIP CME 10.0	This command was introduced.

## Usage Guidelines

Use this command to define the maximum number of addon modules for a Cisco Unified SIP IP phone on Cisco Unified CME. When you use the **no** form of this command, the inherited properties of the reference phone is takes precedence over the default value.

## Cisco Unified CME

The following example shows how to enter voice register pool configuration mode and define themaximum number of addon modules for a Cisco Unified SIP IP phone on Cisco Unified CME:

```
Router(config)# voice register pool-type 9900
Router(config-register-pool-type)# gsm-support
```

## Related Commands

Command	Description
<b>voice register pool-type</b>	Adds a new Cisco Unified SIP IP phone to Cisco Unified CME.

## group (lpcor custom)

To add a logical partitioning class of restriction (LPCOR) resource group to the custom resource list, use the **group** command in LPCOR custom configuration mode. To remove a resource group, use the **no** form of this command.

```
group number lpcor-group
no group number
```

Syntax Description		
<i>number</i>	Group number of the LPCOR entry. Range: 1 to 64.	
<i>lpcor-group</i>	Name of a LPCOR resource group.	

**Command Default** LPCOR resource group is not defined.

**Command Modes** LPCOR custom configuration (cfg-lpcor-custom)

Command History	Cisco IOS Release	Cisco Product	Modification
	15.0(1)XA	Cisco Unified CME 8.0	This command was introduced.
	15.1(1)T	Cisco Unified CME 8.0	This command was integrated into Cisco IOS Release 15.1(1)T.

**Usage Guidelines** Use this command to define all of the LPCOR resource groups that you are provisioning on the Cisco Unified CME router. You must logically partition the resources of the Cisco Unified CME router (trunks and phones) into different LPCOR resource groups so that you can apply the required call restrictions to each group.

### Examples

The following example shows a LPCOR configuration with six resource groups:

```
voice lpcor custom
group 1 sccp_phone_local
group 2 sip_phone_local
group 3 analog_phone_local
group 4 sip_remote
group 5 sccp_remote
group 6 isdn_local
```

Related Commands	Command	Description
	<b>voice lpcor enable</b>	Enables LPCOR functionality on the Cisco Unified CME router.
	<b>voice lpcor policy</b>	Creates a LPCOR policy for a resource group.

## group (telephony-service)

To create a (VRF) group for Cisco Unified CME users and phones, use the **group** command in telephony-service configuration mode. To remove a group, use the **no** form of this command.

```
group group-tag [vrf vrfname]
no group
```

### Syntax Description

<i>group-tag</i>	Unique identifier for VRF group being configured. Range 1 to 5
<b>vrf</b> <i>vrfname</i>	(Optional) Name of already-configured VRF to which this VRF group is associated.

### Command Default

No group is configured.

### Command Modes

Telephony-service configuration (config-telephony)

### Command History

Release	Modification
12.4(22)T	This command was introduced.

### Usage Guidelines

By default, VRF groups are associated with a global voice VRF unless you use the **vrf vrfname** keyword and argument combination to specify otherwise.

If you configure this command, the **ip source-address**, **url** and **cnf-file location** commands in **telephony-service** configuration mode are automatically converted into *group 1* with a default global VRF for nvgen during system upgrade.

If you configure this command and the **cnf-file location** command is configured for **system:**, the per phone or per phone type file for an ephone in the VRF group is created in *system:/its/vrf<group-tag>/*. Local files are still created in *system:/its/*.

If you configure this command and the **cnf-file location** command is configured as **flash:** or **slot0:**, the per phone or per phone type file for an ephone in the VRF group is named *flash:/its/vrf<group-tag>\_<filename>* or *slot0:/its/vrf<group tag>\_filename>*.

The location of the locale files is not affected by configuring a VRF group.

### Examples

The following example shows the configuration for three VRF groups. Group 1 is on a global voice VRF and the other two groups are on data VRFs.

```
telephony-service
sdspfarm conference mute-on # mute-off #
sdspfarm units 4
sdspfarm transcode sessions 10
sdspfarm tag 1 xcode101
sdspfarm tag 2 conf103
group 1
ip source-address 10.1.10.1 port 2000
url directories http://210.1.10.1/localdirectory
!
group 2 vrf data-vrf1
```

```
    ip source-address 10.2.10.1 port 2000
    !
group 3 vrf data-vrf2
    ip source-address 10.3.10.1 port 2000
    !
.
.
.
```

**Related Commands**

Command	Description
<b>ip vrf</b>	Defines a VRF for a router.
<b>cnf-file location</b>	Specifies a storage location for phone configuration files

## group phone

To add a phone, including a TAPI-based client application, or a softphone on a PC to a VRF group for Cisco Unified CME, use the **group** command in ephone or ephone-template configuration mode. To remove the **group** configuration, use the **no** form of this command.

**group**  
**no group**

**Syntax Description** This command has no arguments or keywords.

**Command Default** By default, this feature is disabled.

**Command Modes** Ephone configuration (config-ephone)  
Ephone-template configuration (config-ephone-template)

### Command History

Cisco IOS Release	Cisco Products	Modification
12.4(22)T	Cisco Unified CME 7.0(1)	This command was introduced.

### Usage Guidelines

This command enables to configure the voice VRF group for SIP phones. This command adds a softphone on a PC, an IP phone, or a TAPI client on an IP phone to a VRF group.

VRF groups for users and phones in Cisco Unified CME are created by using the **group** command in telephony-service configuration mode. All SCCP and SIP phones connected to Cisco Unified CME must register through the global voice VRF. TAPI-based client on an IP phone and softphones on a PC must register in Cisco Unified CME through a data VRF.

Before you can use this command, the MAC address for the IP phone being configured must be configured by using the **mac-address** command in ephone configuration mode.

If you use an ephone template to apply a command to an ephone and you also use the same command in ephone configuration mode, the value that you set in ephone configuration mode has priority over the ephone-template configuration.

### Examples

The following example shows four phones in three VRF groups, two on data VRFs and one on a global voice VRF.

```
telephony-service
sdspfarm conference mute-on # mute-off #
sdspfarm units 4
sdspfarm transcode sessions 10
sdspfarm tag 1 xcode101
sdspfarm tag 2 conf103
group 1
 ip source-address 209.165.201.1 port 2000
 url directories http://209.165.201.1/localdirectory
!
group 2 vrf data-vrf1
 ip source-address 209.165.201.2 port 2000
!
```

```

group 3 vrf data-vrf2
  ip source-address 209.165.201.3 port 2000
  !
  .
  .
  !
ephone-template 1
  group phone 1 tapi 2
ephone-template 2
  group phone 2
...
ephone 1
  mac-address 1111.2222.3333
  ephone-template 1
ephone 2
  mac-address 2222.2222.3333
  ephone-template 2
ephone 3
  mac-address 1111.3333.3333
  group phone 1 tapi 3
ephone 4
  mac-address 1111.2222.4444
  group phone 3
  !

```

The following example shows four phones in three VRF groups, two on data VRFs and one on a global voice VRF.

```

Router(config)# voice register template
Router(config-telephony)# group <group-tag>

```

#### Related Commands

Command	Description
<b>voice register pool</b>	Enters voice register pool configuration mode.
<b>voice register template</b>	Enters voice register template configuration mode.
<b>ephone-template (ephone)</b>	Applies an ephone template to an ephone configuration.
<b>group (telephony-service)</b>	Creates a VRF group for phones and users in Cisco Unified CME.
<b>mac-address</b>	Associates the MAC address of a Cisco IP phone with an ephone configuration.

## group (voice register global)

To add a phone or a softphone on a PC to a Virtual routing and forwarding (VRF) group for Cisco Unified CME, use the **group** command in voice register global configuration mode. To remove the configuration, use the **no** form of this command. To configure SIP CME support for VRF by provisioning its source address under a group, use the **vrfvrfname** command. To remove the configuration, use the **no** form of this command.

```
group group-tag
no group
group group-tag vrfvrfname
no group vrfvrfname
```

### Syntax Description

<i>group-tag</i>	Unique identifier of VRF group. Range is from 1 to 5.
<i>vrfvrfname</i>	Specifies the name of the vrf group.

### Command Default

By default, this feature is disabled.

### Command Modes

voice register global (config-register global)

### Command History

Cisco IOS Release	Cisco Product	Modification
15.4(3)M	Cisco Unified CME 10.5	This command was introduced.

### Usage Guidelines

This command enables to configure the VRF group for SIP phones. This command is used to configure multiple VRF groups for SIP phones and soft phones on PC or mobile devices registering to CME. Each VRF group can be associated with a specific IP VRF. Phones in this VRF will use the source-address configured under this VRF group to register to CME.

### Example

The following example shows three different VRF groups that have been configured, a voice VRF, a Data VRF, and a Voice VRF:

```
vvoice register global
mode cme
max-dn 100
max-pool 100

group 1 vrf voice-vrf
source-address 8.0.0.1

group 2 vrf data-vrf
source-address 9.0.0.1

group 3 vrf voice-vrf1
source-address 10.0.0.1
```

### Related Commands

Command	Description
<b>group (telephony-service)</b>	Creates a VRF group for phones and users in Cisco Unified CME.

## group (voice register pool)

To configure multiple virtual routing and forwarding (VRF) groups for SIP phones and soft phones on PC or mobile, use the **group** command in voice register pool configuration or voice register template configuration modes. To remove the configuration, use the **no** form of this command. You can configure up to 5 VRF groups.

To add a phone or a softphone on a PC to a VRF group for Cisco Unified CME, use the **group** command in voice register pool or voice register template configuration modes. To remove the configuration, use the **no** form of this command.

**group** *group-tag*  
**no group**

### Syntax Description

<i>group-tag</i>	Unique identifier of VRF group. Range is from 1 to 5.
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### Command Default

By default, this feature is disabled.

### Command Modes

voice register pool (config-register pool)  
 voice register template (config-register template)

### Command History

Cisco IOS Release	Cisco Product	Modification
15.4(3)M	Cisco Unified CME 10.5	This command was introduced.

### Usage Guidelines

This command enables to configure the VRF group for SIP phones. The group id configured under voice register global can be associated to the voice register pool or template using the **group <group-tag>** command.

### Example

The following example shows phones configured in different VRF groups under voice register pool and voice register template modes:

```
voice register pool 1
group 1

voice register template 1
group 3
```

### Related Commands

Command	Description
<b>voice register global</b>	Enters voice register global configuration mode.
<b>voice register template</b>	Enters voice register template configuration mode.

group (voice register pool)