

VG224语音网关与CME配置示例的SCCP注册

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本文为Cisco VG224小型客户机控制协议(SCCP)注册提供配置示例以呼叫管理器Express (CME) (要求版本4.0或以上)。

模拟电话或传真机被连接到VG224外汇位置(FXS)端口。VG224注册对CME通过SCCP并且沟通对公共交换电话网(PSTN)供应商通过一个外汇Office(FXO)端口。

[Prerequisites](#)

[Requirements](#)

There are no specific requirements for this document.

[Components Used](#)

本文的信息根据与CME的Cisco VG224 SCCP , 版本4.0或以上。

The information in this document was created from the devices in a specific lab environment.All of the devices used in this document started with a cleared (default) configuration.If your network is live, make sure that you understand the potential impact of any command.

[Conventions](#)

Refer to [Cisco Technical Tips Conventions](#) for more information on document conventions.

VG224配置

```
hostname VG224-1
!
voice-card 0
!
interface FastEthernet0/0
 ip address 10.8.1.10 255.255.255.0
 duplex auto
 speed auto
!--- For modem/faxing support using NSE based switchover. voice service voip
 modem passthrough nse codec g711ulaw
!
voice-port 2/0
 caller-id enable
!
voice-port 2/23
 caller-id enable
!
!--- Set source interface of SCCP packets. Also determines which !--- MAC address is used to
register to CME. sccp local FastEthernet0/0
!--- Set address of SCCP agent, should match the IP source address of CME. sccp ccm 10.8.1.2
identifier 1
sccp
!
sccp ccm group 1
!--- Associate SCCP agent with CCM group. associate ccm 1 priority 1
!
!--- Associate STCAPP to CCM Group stcapp ccm-group 1
stcapp
!
!--- Enable STCAPP on voice port. dial-peer voice 1000 pots
 service stcapp
 port 2/0
!
dial-peer voice 1023 pots
 service stcapp
 port 2/23
!
```

MAC地址惯例

- Cisco VG224使用Sccp local接口的MAC地址定义每个语音端口的唯一的MAC地址。如果SCCP进程一定对环回接口，使用最号码少的物理接口的MAC地址在路由器的。
- VG224的Sccp local接口的前9个位(请下降导致的000)成为语音端口MAC地址的前9个位。**示例 1**：如果源接口MAC地址是000个C.8639.5833，语音端口MAC地址的MAC地址将是C863.9583.3XXX。**示例 2**：如果源接口MAC地址是000个C.8639.0180，语音端口MAC地址的MAC地址将是C863.9018.0XXX。
- 语音端口MAC地址的前3个位是插槽编号(3位) + 亚单位编号(2位) + 端口号(7位)以十六进制格式。结合位获得最后三个MAC地址位。**示例 1**：语音端口2/0是插槽编号2 (010)，亚单位0 (00)和端口号0 (0000000)。结合这些位获得语音端口MAC地址的前3个位：010 + 00 + 0000000 = 4 0 0。400是语音端口MAC地址的前3个位。**示例 2**：语音端口2/23是插槽编号2 (010)，亚单位0 (00)和端口号23 (0010111)。结合这些位获得语音端口MAC地址的前3个位：010 + 00 + 0010111 = 4 1 7。417是语音端口MAC地址的前3个位。

MAC地址换算表的语音端口

Port-	MAC前3个位
2/0	400
2/1	401
2/2	402
2/3	403
2/4	404
2/5	405
2/6	406
2/7	407
2/8	408
2/9	409
2/10	40A
2/11	40B
2/12	40C
2/13	40D
2/14	40E
2/15	40F
2/16	410
2/17	411
2/18	412
2/19	413
2/20	414
2/21	415
2/22	416
2/23	417

示例 1：如果源接口MAC地址是000个C.8639.5833，MAC地址语音端口2/0将是C863.9583.3400。

示例 2：如果源接口MAC地址是000个C.8639.0180，MAC地址语音端口2/23将是C.8639.0180417。

CME配置

```
hostname CME-1
!
voice-card 2
 no dspfarm
!
interface FastEthernet0/0
 ip address 10.8.1.2 255.255.255.0
 duplex auto
 speed auto
```

```

!
interface Service-Engine0/0
 ip unnumbered FastEthernet0/0
 service-module ip address 10.8.1.50 255.255.255.0
 service-module ip default-gateway 10.8.1.2
!
dial-peer voice 6000 voip
 description To CUE
 destination-pattern 5...
 session protocol sipv2
 session target ipv4:10.8.1.50
 dtmf-relay sip-notify
 codec g711ulaw
 no vad
!
telephony-service
 load 7960-7940 P00305000301
 max-ephones 60
 max-dn 60
 ip source-address 10.8.1.2 port 2000
 create cnf-files version-stamp Jan 01 2002 00:00:00
 voicemail 5200
 mwi relay
 mwi expires 99999
 max-conferences 8
 transfer-system full-consult
!
ephone-dn 8 dual-line
 number 4441 secondary 9191114441
 description vg224-2/0
 name Joe
!
ephone-dn 9 dual-line
 number 4442
 description vg224-2/23
 name Jane
 call-forward busy 5200
 call-forward noan 5200 timeout 10
!
ephone-dn 20
 number 8000....
 mwi on
!
ephone-dn 21
 number 8001....
 mwi off
!!--- The last 3 digits of the MAC are 417 as this is the !--- phone for VG224 port 2/23. ephone
5
 mac-address C863.9018.0417
 type anl
 button 1:9
!!--- The last 3 digits of the MAC are 400 as this is the !--- phone for VG224 port 2/0. ephone
8
 mac-address C863.9018.0400
 type anl
 button 1:8

```

MWI配置

必须为语音邮件配置CME。必须配置消息等待征兆(MWI)开/关ephone-dn和呼叫向前。例如，如果新的VM存在，CME拨打80001000为了传送SCCP信息激活在ephone 8的MWI。VG224转换在消息的SCCP MWI为了激活在外汇位置(FXS)端口的口吃语音。一旦VM被获取了，CME拨打

80011000为了传送SCCP信息撤销在ephone 8.的MWI。VG224转换在消息的SCCP MWI撤销在FXS端口的口吃语音。

[Related Information](#)

- [语音技术支持](#)
- [语音和统一通信产品支持](#)
- [Cisco IP 电话故障排除](#)
- [Technical Support & Documentation - Cisco Systems](#)