配置VG224 SCCP安全已加密

目录

简介

本文描述安全已加密配置信令连接控制零件(SCCP) VG224模拟网关的。

先决条件

要求

Cisco 建议您了解以下主题：

- SCCP
- VG224
- Cisco Unified Communications Manager (CUCM)

使用的组件

本文档中的信息基于以下软件版本：

- VG224

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您的网络实际，请保证您了解所有命令潜在影响。

配置

步骤1.复制callmanager.pem证书对VG224 (被参考作为安全信任点在下面的配置里)

步骤2.创建在VG224的一自签证书与MAC地址FastEthernet0/0 (bind interface)与仅最后10个位作为subject-name。

步骤3.复制vg CERT对CUCM作为CallManager信任并且重新启动CUCM。

信息为为VG224要求证书的配置被提供。

```
Router(config)#crypto key generate rsa general-keys label vg modulus 1024
Router(config)#crypto pki trustpoint vg
Router(ca-trustpoint)#enrollment selfsigned
```

```
serial-number none
fqdn none
ip-address none
subject-name cn=1A:E2:85:7B:E2  <----- Last 10 DIGITS ONLY of the SCCP bind interface.
Formatting EXACTLY as shown with colons.
rsakeypair vg
crypto pki enroll vg
Router(config)#crypto pki export vg_cert pem terminal
```

提示：命令参考指南

注意：当呼叫从一个安全VG224模拟电话到一个安全IP电话由于警告CSCti08882时，您将看不到锁图标

验证

此信息是为VG224的成功的注册的验证

```
Router(config)#crypto key generate rsa general-keys label vg modulus 1024
Router(config)#crypto pki trustpoint vg
Router(ca-trustpoint)#enrollment selfsigned
serial-number none
fqdn none
ip-address none
subject-name cn=1A:E2:85:7B:E2  <----- Last 10 DIGITS ONLY of the SCCP bind interface.
Formatting EXACTLY as shown with colons.
rsakeypair vg
crypto pki enroll vg
Router(config)#crypto pki export vg_cert pem terminal
```

使用SCCP IOS配置，这显示那安全VG224。

```
Building configuration...


Current configuration : 5258 bytes
!
version 15.1
no service pad
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname Router
!
boot-start-marker
boot system slot0:vg224-i6k9s-mz.151-4.M3
boot-end-marker
!
!
enable secret 5 $1$f99B$PWPClPrUNzgsUZEO8aBYG.
!
no aaa new-model
crypto pki token default removal timeout 0
!
crypto pki trustpoint SECURE
 enrollment terminal
 revocation-check crl
!
crypto pki trustpoint vg
 enrollment selfsigned
```

```
 serial-number none
 fqdn none
 ip-address none
 subject-name cn=1A:E2:85:7B:E24       ( instead of this command,  we can use hiddle command
"mac-address Fast Ethernet0/0 as well )
 revocation-check crl
 rsakeypair AN1AE2857BE2400
!
!
crypto pki certificate chain SECURE
 certificate ca 588C9B7C2D4B37F03930E8C926D02A18
   <truncated>
crypto pki certificate chain vg certificate self-signed 03 <truncated> ip source-route ! ip cef
ip name-server 172.18.108.43 ip name-server 172.18.108.34 ! ! no ipv6 cef ! stcapp ccm-group 1
stcapp security trustpoint vg stcapp security mode encrypted stcapp ! stcapp feature access-code
! stcapp feature speed-dial ! ! ! stcapp supplementary-services port 2/0 fallback-dn 862224 ! !
! ! ! ! ! ! voice-card 0 ! ! ! ! ! ! ! ! ! ! interface FastEthernet0/0 ip address dhcp duplex
auto speed auto ! interface FastEthernet0/1 no ip address duplex auto speed auto ! ip forward-
protocol nd ! ip http server no ip http secure-server ip route 0.0.0.0 0.0.0.0 14.1.97.1 254 ip
route 0.0.0.0 0.0.0.0 14.1.97.1 254 ! ! ! control-plane ! ! voice-port 2/0 timeouts initial 60
timeouts interdigit 60 timeouts ringing infinity ! voice-port 2/1 ! <truncated>
! voice-port 2/23 ! ccm-manager config server 172.18.172.204 ccm-manager config ccm-manager sccp
local FastEthernet0/0 ccm-manager sccp ! ! mgcp profile default ! sccp local FastEthernet0/0
sccp ccm 172.18.172.204 identifier 1 version 7.0 sccp ccm 172.18.172.205 identifier 2 version
7.0 sccp ccm 172.18.172.206 identifier 3 version 7.0 sccp ! sccp ccm group 1 associate ccm 1
priority 1 associate ccm 2 priority 2 associate ccm 3 priority 3 ! dial-peer voice 999200 pots
service stcapp securiy mode encrypted =====> Required command
 port 2/0
!
dial-peer voice 99920 pots
! service stcapp

securiy mode encrypted   =====> Required command
 port 2/1
!
!(configure all ports in same secure mode)
!
line con 0
line aux 0
line vty 0 4
 password ww
 login
 transport input all
!
ntp server 172.18.108.15
end
```