

# Mettre à niveau le microprogramme d'un téléphone IP avec CCME

## Contenu

[Introduction](#)

[Conditions préalables](#)

[Conditions requises](#)

[Components Used](#)

[Conventions](#)

[Informations générales](#)

[Images signées et non signées \(authentification d'image\)](#)

[Configuration](#)

[Téléchargements](#)

[Configurations étape par étape](#)

[Vérification](#)

[Dépannage](#)

[Informations connexes](#)

## Introduction

Il fournit la procédure de mise à niveau du microprogramme de téléphone IP Cisco avec Cisco CallManager Express.

## Conditions préalables

### Conditions requises

Assurez-vous que vous répondez à ces exigences avant d'essayer cette configuration :

- Les téléphones IP Cisco sont actuellement enregistrés auprès de Cisco CallManager Express.

### Components Used

Les informations de ce document sont basées sur ces versions de logiciel et de matériel, mais s'appliquent à toutes les versions de Cisco CallManager Express et charges de téléphone IP Cisco :

- Cisco IOS Routeur sur Cisco IOS ? Version 12.4(4)T avec Cisco CallManager Express version 3.4(0)

- Téléphone IP Cisco 7960

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

Pour plus d'informations sur les conventions utilisées dans ce document, reportez-vous à [Conventions relatives aux conseils techniques Cisco](#).

## Informations générales

### Images signées et non signées (authentification d'image)

Deux types d'images sont utilisés sur les téléphones IP Cisco 7960 et 7940 : images signées et non signées. L'authentification d'image est effectuée via des fichiers binaires signés. Les images signées ont une extension .sbn, tandis que les images non signées ont une extension .bin.

Les versions d'image antérieures à 5.x acceptent les fichiers binaires non signés. Les versions d'image 5.x et ultérieures acceptent uniquement les fichiers binaires signés, ce qui améliore la sécurité sur les téléphones IP Cisco 7960 et 7940. Cependant, l'utilisation de fichiers binaires signés ne vous permet pas de revenir à une image de microprogramme non signée antérieure. Une fois qu'une image de microprogramme version 5.0 est installée, quel que soit le protocole, l'image ne peut pas être remplacée par une version précédente. L'image du micrologiciel ne peut être remplacée que par une autre image signée version 5.x ou ultérieure. Toutes les versions antérieures à la version 5.0 des téléphones IP Cisco 7960 et 7940 ne sont pas chargées sur le téléphone après l'installation.

## Configuration

Cette section présente les informations nécessaires à la mise à niveau du micrologiciel du téléphone IP Cisco.

### Téléchargements

Les fichiers de microprogramme SCCP requis peuvent être téléchargés à partir du [téléphone IP Cisco FW 7900 Series \(NON SIP\) - Software Download \(clients enregistrés\)](#) uniquement).

Téléchargez le fichier .zip approprié pour le modèle de téléphone IP Cisco. Selon le modèle du téléphone IP Cisco, le fichier .zip peut contenir un ou plusieurs fichiers.

Le fichier .zip du micrologiciel version 7.2(3) pour les modèles de téléphone IP Cisco 7960 et 7940, **cmterm-7940-7960-sccp.7-2-3.zip**, comprend les fichiers suivants :

- P00307020300.bin
- P00307020300.sbn
- P00307020300.sb2
- P00307020300.loads

De même, le fichier .zip du micrologiciel pour le modèle de téléphone IP Cisco 7905G, **cmterm-7905G-sccp.6-1-1**, inclut les fichiers suivants :

- CP7905060101SCCP050429A.sbin
- CP7905060101SCCP050429A.zup

## Configurations étape par étape

Afin de configurer le micrologiciel applicable, procédez comme suit :

1. Transférez tous les fichiers du micrologiciel dans la mémoire Flash de Cisco CallManager Express. Afin de vérifier le transfert des fichiers, émettez la commande **show flash** :

```
Router_CCME#show flash
```

```
-#- --length-- -----date/time----- path
```

```
!--- Part of output elided. 13 128996 Nov 30 2005 07:05:36 +00:00 P00307020300.bin 14
129400 Nov 30 2005 07:06:02 +00:00 P00307020300.sbn 15 681290 Nov 30 2005 07:06:18 +00:00
P00307020300.sb2 16 461 Nov 30 2005 07:06:34 +00:00 P00307020300.loads 24612864 bytes
available (103567360 bytes used)
```

2. Rendez les fichiers téléchargeables par les téléphones IP Cisco avec cette configuration :

```
Router_CCME#configure terminal
```

```
Router_CCME(config)#tftp-server flash: P00307020300.bin
```

```
Router_CCME(config)#tftp-server flash: P00307020300.sbn
```

```
Router_CCME(config)#tftp-server flash: P00307020300.sb2
```

```
Router_CCME(config)#tftp-server flash: P00307020300.loads
```

3. Configurez le micrologiciel approprié pour les téléphones IP Cisco :

```
Router_CCME#configure terminal
```

```
Enter configuration commands, one per line. End with CNTL/Z.
```

```
Router_CCME(config)#telephony-service
```

```
Router_CCME(config-telephony)#load 7960-7940 P00307020300
```

```
Updating CNF files
```

```
CNF files updating complete
```

**Remarque :** Dans la commande **load**, l'extension (.bin ou .sbn) du fichier du microprogramme ne doit pas être mentionnée.

4. Réinitialisez les téléphones IP Cisco afin de leur faire choisir la nouvelle version du micrologiciel. Si vous avez prévu des temps d'arrêt, réinitialisez tous les téléphones simultanément. Vous pouvez également réinitialiser les téléphones individuellement, lorsque les utilisateurs sont prêts.

```
Router_CCME(config-telephony)#reset ?
```

```
  H.H.H          mac address
```

```
  all            reset all ethernet phones
```

```
  cancel         cancel in progress reset
```

```
  sequence-all  reset all ethernet phones sequentially, wait for each phone to
re-register before resetting the next phone. This prevents
possible conflict between phones when accessing IOS TFTP
services.
```

```
Router_CCME(config-telephony)#reset all
```

```
Reset 1 phones: at 15 second interval - this could take several minutes p
er phone
```

```
Starting with 7960 phones
```

```
Router_CCME(config-telephony)#
```

```
Reset-All: Requesting Reset for phone SEP000A8A93E0F9 at 172.16.2.101 deviceType
7 Telecaster 7960 Idle [count=1]
```

```

*Nov 30 09:21:39.803 UTC: %IPPHONE-6-UNREGISTER_NORMAL: ephone-1:SEP000A8A93E0F9
  IP:172.16.2.101 Socket:1 DeviceType:Phone has unregistered normally.
Reset/Restart-all looking for phones registered as type 8 Telecaster 7940
Reset/Restart-all looking for phones registered as type 6 Telecaster 7910
Reset/Restart-all looking for phones registered as type 20000 7905
*Nov 30 09:21:53.803 UTC: %IPPHONE-6-REG_ALARM: 22: Name=SEP000A8A93E0F9 Load=7.
2(3.0) Last=Reset-Reset
*Nov 30 09:21:53.803 UTC: %IPPHONE-6-REGISTER: ephone-1:SEP000A8A93E0F9 IP:172.1
6.2.101 Socket:1 DeviceType:Phone has registered.
Reset/Restart-all looking for phones registered as type 30008 7902
Reset/Restart-all looking for phones registered as type 30007 7912
Reset/Restart-all looking for phones registered as type 30002 7920
Reset/Restart-all looking for phones registered as type 30016 CIPC
Reset/Restart-all looking for phones registered as type 30006 7970
Reset/Restart-all looking for phones registered as type 119 7971
Reset/Restart-all looking for phones registered as type 115 7941
Reset/Restart-all looking for phones registered as type 308 7961GE
Reset/Restart-all looking for phones registered as type 309 7941GE
Reset/Restart-all looking for phones registered as type 307 7911
Reset/Restart-all looking for phones registered as type 302 7985
Reset/Restart-all looking for phones registered as type 30018 7961
Reset/Restart-all looking for phones registered as type 30019 7936
Reset/Restart-all looking for phones registered as type 12 ATA Phone
Reset/Restart-all looking for phones registered as type 30027 SCCP Gateway (AN)
Reset/Restart-all looking for phones registered as type 30028 SCCP Gateway (BRI)

Reset/Restart-all looking for phones registered as type 9 7935
Reset/Restart-all looking for phones registered as type 1 30SP+
Reset/Restart-all looking for phones registered as type 2 12SP+
Reset/Restart-all looking for phones registered as type 3 12SP
Reset/Restart-all looking for phones registered as type 4 12
Reset/Restart-all looking for phones registered as type 5 30VIP
Reset/Restart-all looking for phones registered as type 80 Unity Voice Port
Reset/Restart-all looking for phones registered as type 21 Unity Voice Port
Reset/Restart-all looking for phones registered as type -1 Unknown -1
Reset-All issued for 1 phones
43 seconds (wait for last phone to re-register)

```

```

Router_CCME

Router_CCME#show ephone phone-load
DeviceName          CurrentPhoneload
PreviousPhoneload   LastReset
=====
=====
SEP000A8A93E0F9    7.2(3.0)                7.2(2.0)
Initialized

```

## Vérification

Référez-vous à cette section pour vous assurer du bon fonctionnement de votre configuration.

Émettez ces commandes pour vérifier votre configuration :

- **show telephony-service all** - affiche la configuration détaillée de tous les téléphones IP Cisco, ports vocaux et terminaux de numérotation dial-peer du routeur Cisco IOS Telephony Service.

```

Router_CCME#show telephony-service all
CONFIG [Version=3.4(0)]
=====
Version 3.4(0)

```

Cisco CallManager Express

For on-line documentation please see:

[www.cisco.com/univercd/cc/td/doc/product/access/ip\\_ph/ip\\_ks/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/access/ip_ph/ip_ks/index.htm)

```
ip source-address 172.16.2.211 port 2000
load 7960-7940 P00307020300
max-ephones 1
max-dn 1
max-conferences 8 gain -6
dspfarm units 0
dspfarm transcode sessions 0
hunt-group report delay 1 hours
max-redirect 5
time-format 12
date-format mm-dd-yy
timezone 0 Greenwich Standard Time
keepalive 30
timeout interdigit 10
timeout busy 10
timeout ringing 180
caller-id name-only: enable
edit DN through Web: disabled.
edit TIME through web: disabled.
Log (table parameters):
    max-size: 150
    retain-timer: 15
create cnf-files version-stamp Jan 01 2002 00:00:00
transfer-system full-consult
auto assign 1 to 1
local directory service: enabled.
```

```
ephone-dn 1
number 7001
preference 0 secondary 9
huntstop
call-waiting beep
```

Number of Configured ephones 1 (Registered 1)

```
ephone 1
mac-address 000A.8A93.E0F9
type 7960
button 1:1
!
```

```
voice-port 50/0/1
station-id number 7001
!
```

```
dial-peer voice 20011 pots
destination-pattern 7001$
huntstop
progress_ind setup enable 3
port 50/0/1
```

```
tftp-server system:/its/SEPDEFAULT.cnf
tftp-server system:/its/SEPDEFAULT.cnf alias SEPDefault.cnf
tftp-server system:/its/XMLDefault.cnf.xml alias XMLDefault.cnf.xml
tftp-server system:/its/ATADefault.cnf.xml
tftp-server system:/its/XMLDefault7960.cnf.xml alias SEP000A8A93E0F9.cnf.xml
tftp-server system:/its/united_states/7960-tones.xml alias United_States/7960-to
```

```

nes.xml
tftp-server system:/its/united_states/7960-font.xml alias English_United_States/
7960-font.xml
tftp-server system:/its/united_states/7960-dictionary.xml alias English_United_S
tates/7960-dictionary.xml
tftp-server system:/its/united_states/7960-kate.xml alias English_United_States/
7960-kate.xml
tftp-server system:/its/united_states/SCCP-dictionary.xml alias English_United_S
tates/SCCP-dictionary.xml

```

- **show ephone** : affiche des informations sur les téléphones IP Cisco enregistrés.

```
Router_CCME#show ephone
```

```

ephone-1 Mac:000A.8A93.E0F9 TCP socket:[1] activeLine:0 REGISTERED in SCCP ver 6
mediaActive:0 offhook:0 ringing:0 reset:0 reset_sent:0 paging 0 debug:1
IP:172.16.2.101 50230 Telecaster 7960 keepalive 5 max_line 6
button 1: dn 1 number 7001 CH1 IDLE

```

## Dépannage

Cette section fournit des informations que vous pouvez utiliser pour dépanner votre configuration.

Ces commandes de débogage permettent d'identifier tout problème dans la mise à niveau du micrologiciel :

- **debug tftp events**
- **debug ephone register**

Cet exemple montre les informations de débogage générées lorsqu'un téléphone IP Cisco 7960 est correctement mis à niveau vers la version 7.2.2 du micrologiciel :

```

*Nov 30 09:15:19.868 UTC: ephone-1[1]:UnregisterMessage after Reset/Restart sent
*Nov 30 09:15:19.868 UTC: ephone-1[1]:Phone Unregistered on socket [1] SEP000A8A
93E0F9
*Nov 30 09:15:19.868 UTC: ephone-1[1]:UnregisterAck sent on socket [1] (0/0/10)
*Nov 30 09:15:19.868 UTC: %IPPHONE-6-UNREGISTER_NORMAL: ephone-1:SEP000A8A93E0F9
IP:172.16.2.101 Socket:1 DeviceType:Phone has unregistered normally.
*Nov 30 09:15:19.868 UTC: skinny_server_process: Socket error. errno=0
*Nov 30 09:15:19.868 UTC: ephone-1[1]:DisAssociate: Closed socket 1 for unregist
ered phone
*Nov 30 09:15:19.868 UTC: CLOSED Skinny socket 1 for de-registered phone
*Nov 30 09:15:30.976 UTC: TFTP: Looking for CTLSEP000A8A93E0F9.tlv
*Nov 30 09:15:30.984 UTC: TFTP: Looking for SEP000A8A93E0F9.cnf.xml
*Nov 30 09:15:31.504 UTC: TFTP: Opened system:/its/XMLDefault7960.cnf.xml, fd 0,
size 788 for process 216
*Nov 30 09:15:31.508 UTC: TFTP: Finished system:/its/XMLDefault7960.cnf.xml, tim
e 00:00:00 for process 216
Reset sequence-all, Ready to reset next phone (last 15 sec)

```

```

Reset/Restart-all looking for phones registered as type 8 Telecaster 7940
*Nov 30 09:15:34.384 UTC: New Skinny socket accepted [1] (0 active)
*Nov 30 09:15:34.384 UTC: sin_family 2, sin_port 50230, in_addr 172.16.2.101
*Nov 30 09:15:34.384 UTC: skinny_add_socket 1 172.16.2.101 50230
*Nov 30 09:15:34.869 UTC: %IPPHONE-6-REG_ALARM: 22: Name=SEP000A8A93E0F9 Load=7.
2(3.0) Last=Reset-Reset
*Nov 30 09:15:34.869 UTC:
Skinny StationAlarmMessage on socket [1] 172.16.2.101 SEP000A8A93E0F9

```

\*Nov 30 09:15:34.869 UTC: severityInformational p1=2049 [0x801] p2=1694634156 [0x650210AC]

\*Nov 30 09:15:34.869 UTC: 22: Name=SEP000A8A93E0F9 Load=7.2(3.0) Last=Reset-Reset

\*Nov 30 09:15:34.869 UTC: ephone-(1)[1] StationRegisterMessage (0/0/10) from 172.16.2.101

\*Nov 30 09:15:34.869 UTC: ephone-(1)[1] Register StationIdentifier DeviceName SEP000A8A93E0F9

\*Nov 30 09:15:34.869 UTC: ephone-(1)[1] StationIdentifier Instance 1 deviceType 7

\*Nov 30 09:15:34.869 UTC: ephone-1[-1]:stationIpAddr 172.16.2.101

\*Nov 30  
Reset/Restart-all looking for phones registered as type 6 Telecaster 7910 0 09:15:34.869 UTC: ephone-1[-1]:maxStreams 0

\*Nov 30 09:15:34.869 UTC: ephone-1[-1]:protocol Ver 0x84000006

\*Nov 30 09:15:34.869 UTC: ephone-1[-1]:phone-size 2820 dn-size 488

\*Nov 30 09:15:34.869 UTC: ephone-(1) Allow any Skinny Server IP address 172.16.2.211

\*Nov 30 09:15:34.869 UTC: ephone-1[-1]:Found entry 0 for 000A8A93E0F9

\*Nov 30 09:15:34.869 UTC: ephone-1[-1]:socket change -1 to 1

\*Nov 30 09:15:34.869 UTC: ephone-1[-1]:FAILED: CLOSED old socket -1

\*Nov 30 09:15:34.869 UTC: ephone-1[1]:\*\*\*Force device subtype to 0

\*Nov 30 09:15:34.869 UTC: ephone-1[1]:phone SEP000A8A93E0F9 re-associate OK on socket [1]

\*Nov 30 09:15:34.869 UTC: %IPPHONE-6-REGISTER: ephone-1:SEP000A8A93E0F9 IP:172.16.2.101 Socket:1 DeviceType:Phone has registered.

\*Nov 30 09:15:34.869 UTC: Phone  
Reset/Restart-all looking for phones registered as type 20000 7905 0 socket 1

\*Nov 30 09:15:34.869 UTC: Skinny Local IP address = 172.16.2.211 on port 2000

\*Nov 30 09:15:34.869 UTC: Skinny Phone IP address = 172.16.2.101 50230

\*Nov 30 09:15:34.869 UTC: ephone-1[1]:Signal protocol ver 5 to phone with ver 6

\*Nov 30 09:15:34.869 UTC: ephone-1[1]:Date Format M/D/Y

\*Nov 30 09:15:34.869 UTC: ephone-1[1]:RegisterAck sent to ephone 1: keepalive period 30 use sccp-version 5

\*Nov 30 09:15:34.873 UTC: ephone-1[1]:CapabilitiesReq sent

\*Nov 30 09:15:35.125 UTC: ephone-1[1]:CapabilitiesRes received

\*Nov 30 09:15:35.125 UTC: ephone-1[1]:Caps list 7

WideBand\_256K 120 ms  
G711Ulaw64k 40 ms  
G711Alaw64k 40 ms  
G729AnnexB 60 ms  
G729AnnexAwAnnexB 60 ms  
G729 60 ms  
G729AnnexA 60 ms

\*Nov 30 09:15:35.125 UTC: ephone-1[1]:ButtonTemplateReqMessage

\*Nov 30 09:15:35.  
Reset/Restart-all looking for phones registered as type 30008 7902 125 UTC: ephone-1[1]:CheckAutoReg

\*Nov 30 09:15:35.125 UTC: ephone-1[1]:AutoReg is disabled

\*Nov 30 09:15:35.125 UTC: ephone-1[1][SEP000A8A93E0F9]:Setting 6 lines 0 speed-dials on phone (max\_line 6)

\*Nov 30 09:15:35.125 UTC: ephone-1[1]:First Speed Dial Button location is 0 (0)

\*Nov 30 09:15:35.125 UTC: ephone-1[1]:Configured 0 speed dial buttons

\*Nov 30 09:15:35.125 UTC: ephone-1[1]:ButtonTemplate lines=6 speed=0 buttons=6 offset=0

\*Nov 30 09:15:35.381 UTC: ephone-1[1]:StationSoftKeyTemplateReqMessage

\*Nov 30 09:15:35.381 UTC: ephone-1[1]:StationSoftKeyTemplateResMessage

\*Nov 30 09:15:35.633 UTC: ephone-1[1]:StationSoftKeySetReqMessage

\*Nov 30 09:15:35.633 UTC: ephone-1[1]:Removed SkPark key

\*Nov 30 09:15:35.633 UTC: ephone-1[1]:StationSoftKeySetResMessage

\*Nov 30 09:15:3  
Reset/Restart-all looking for phones registered as type 30007 7912 5.885 UTC: e

phone-1[1]:StationLineStatReqMessage from ephone line 6  
\*Nov 30 09:15:35.885 UTC: ephone-1[1][SEP000A8A93E0F9]:StationLineStatReqMessage from ephone line 6 Invalid DN 0  
\*Nov 30 09:15:35.885 UTC: ephone-1[1][SEP000A8A93E0F9]:StationLineStatResMessage sent to ephone (1 of 6)  
\*Nov 30 09:15:36.137 UTC: ephone-1[1]:StationLineStatReqMessage from ephone line 5  
\*Nov 30 09:15:36.137 UTC: ephone-1[1][SEP000A8A93E0F9]:StationLineStatReqMessage from ephone line 5 Invalid DN 0  
\*Nov 30 09:15:36.137 UTC: ephone-1[1][SEP000A8A93E0F9]:StationLineStatResMessage sent to ephone (2 of 6)  
\*Nov 30 09:15:36.389 UTC: ephone-1[1]:StationLineStatReqMessage from ephone line 4  
\*Nov 30 09:15:36.389 UTC: ephone-1[1][SEP000A8A93E0F9]:StationLineStatReqMessage from ephone line 4 Invalid DN 0  
\*Nov 30 09:15:36.38  
Reset/Restart-all looking for phones registered as type 30002 7920 9 UTC: ephone-1[1][SEP000A8A93E0F9]:StationLineStatResMessage sent to ephone (3 of 6)  
\*Nov 30 09:15:36.641 UTC: ephone-1[1]:StationLineStatReqMessage from ephone line 3  
\*Nov 30 09:15:36.641 UTC: ephone-1[1][SEP000A8A93E0F9]:StationLineStatReqMessage from ephone line 3 Invalid DN 0  
\*Nov 30 09:15:36.641 UTC: ephone-1[1][SEP000A8A93E0F9]:StationLineStatResMessage sent to ephone (4 of 6)  
\*Nov 30 09:15:36.893 UTC: ephone-1[1]:StationLineStatReqMessage from ephone line 2  
\*Nov 30 09:15:36.893 UTC: ephone-1[1][SEP000A8A93E0F9]:StationLineStatReqMessage from ephone line 2 Invalid DN 0  
\*Nov 30 09:15:36.893 UTC: ephone-1[1][SEP000A8A93E0F9]:StationLineStatResMessage sent to ephone (5 of 6)  
\*Nov 30 09:15:37.145 UTC: ephone-1[1]:StationLineStatReqMessage from ephone line 1  
\*Nov 30 09:15:37.145 UTC: ephon  
Reset/Restart-all looking for phones registered as type 30016 CIPC e-1[1]:StationLineStatReqMessage ephone line 1 DN 1 = 7001 desc = 7001 label =  
\*Nov 30 09:15:37.145 UTC: ephone-1[1][SEP000A8A93E0F9]:StationLineStatResMessage sent to ephone (6 of 6)  
\*Nov 30 09:15:37.145 UTC: ephone-1[1]:SkinnyCompleteRegistration  
\*Nov 30 09:15:37.221 UTC: TFTP: Looking for SEP000A8A93E0F9.cnf.xml  
\*Nov 30 09:15:37.221 UTC: TFTP: Opened system:/its/XMLDefault7960.cnf.xml, fd 0, size 788 for process 216  
\*Nov 30 09:15:37.221 UTC: TFTP: Looking for RINGLIST.XML  
\*Nov 30 09:15:37.241 UTC: TFTP: Finished system:/its/XMLDefault7960.cnf.xml, time 00:00:00 for process 216  
\*Nov 30 09:15:37.245 UTC: TFTP: Looking for DISTINCTIVERINGLIST.XML  
\*Nov 30 09:15:37.409 UTC: ephone-1[1]:Skinny Available Lines 6 set for socket [1]  
\*Nov 30 09:15:37.409 UTC: ephone-1[1]:Already d  
Reset/Restart-all looking for phones registered as type 30006 7970 one SkinnyCompleteRegistration  
Reset/Restart-all looking for phones registered as type 119 7971  
Reset/Restart-all looking for phones registered as type 115 7941  
Reset/Restart-all looking for phones registered as type 308 7961GE  
Reset/Restart-all looking for phones registered as type 309 7941GE  
Reset/Restart-all looking for phones registered as type 307 7911  
Reset/Restart-all looking for phones registered as type 302 7985  
Reset/Restart-all looking for phones registered as type 30018 7961  
Reset/Restart-all looking for phones registered as type 30019 7936  
Reset/Restart-all looking for phones registered as type 12 ATA Phone  
Reset/Restart-all looking for phones registered as type 30027 SCCP Gateway (AN)  
Reset/Restart-all looking for phones registered as type 30028 SCCP Gateway (BRI)  
  
Reset/Restart-all looking for phones registered as type 9 7935  
Reset/Restart-all looking for phones registered as type 1 30SP+



```
Reset/Restart-all looking for phones registered as type 2 12SP+
Reset/Restart-all looking for phones registered as type 3 12SP
Reset/Restart-all looking for phones registered as type 4 12
Reset/Restart-all looking for phones registered as type 5 30VIP
Reset/Restart-all looking for phones registered as type 80 Unity Voice Port
Reset/Restart-all looking for phones registered as type 21 Unity Voice Port
Reset/Restart-all looking for phones registered as type -1 Unknown -1
Reset-All issued for 1 phones
 45 seconds (wait for last phone to re-register)
```

**Remarque :** lors d'une mise à niveau, si l'écran LCD d'un téléphone IP Cisco affiche `Fichier introuvable`, cela peut indiquer une tentative de chargement d'une image non signée sur un téléphone IP Cisco qui possède déjà une image signée.

## [Informations connexes](#)

- [Matrice de mise à niveau du firmware des téléphones IP Cisco 7940 et 7960](#)
- [Assistance technique concernant la technologie vocale](#)
- [Support produit pour Voix et Communications IP](#)
- [Dépannage des problèmes de téléphonie IP Cisco](#)
- [Support et documentation techniques - Cisco Systems](#)