

Procedimento de upgrade da correção de programa para a liberação 9.6 de Softswitch Cisco PGW 2200 e mais atrasado

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[Introdução](#)

Este original descreve como promover a liberação 9.6 de Softswitch Cisco PGW 2200 e umas versões mais atrasadas com correções de software novas.

Nota: Em umas versões PGW2200 mais velhas, tais como a liberação 7.x, o processo de upgrade foi executado com os comandos pkgadd e pkgrm de Sun Solaris. Estes comandos de Sun Solaris não devem ser emitidos com liberação 9.2 de Softswitch Cisco PGW 2200 e versões mais atrasadas. Um script novo chamado “correção de programa” faz o trabalho, como descrito neste original.

[Pré-requisitos](#)

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A Cisco recomenda que você tenha conhecimento destes tópicos:

- [Liberação 9 de Softswitch Cisco PGW 2200](#)
- [O produto de Softswitch Cisco PGW 2200 pesquisa defeitos e alertas](#)
- [Download do software dos pacotes do Solaris 8 do nó MGC \(clientes registrados somente\)](#)

Um diretório novo é criado na altura da instalação de software baixa inicial na liberação 9.2 de Softswitch Cisco PGW 2200 e mais atrasado. O diretório é chamado `/opt/SW`. O usuário é esperado transferir todas as correções de programa novas das [transferências da Voz \(clientes registrados somente\)](#) neste lugar. Também, um script de shell novo “correção de programa” é fornecido com a instalação padrão e instalado no diretório de `/opt/SW`.

Estão aqui as condições prévias para este procedimento:

- **Nota:** Partindo 9.8(1) da correção de programa 5, antes que a elevação, certifique-se que o demônio de TimesTen está sendo executado em Cisco ativo e à espera PGW2200 Softswitches. Se o demônio de TimesTen não está sendo executado, use o comando `start de /etc/init.d/tt` com o privilégio de root.

- **Nota:** Partindo 9.8(1) da correção de programa 5, sugere-se que você use `./backupDb.sh ttbackup.tar` em Cisco ativo e à espera PGW2200 Softswitches a fim suportar o base de dados de TimesTen antes da elevação. O script é ficado situado no dobrador de `/opt/CiscoMGC/local`.
- Verifique que o diretório `/opt/SW` esta presente no PGW2200 ativo e à espera.
- Verifique que os dois arquivos chamados “correção de programa” e “admin.file” **estam presente** no diretório `/opt/SW`.
- Transfira as correções de programa PGW2200 apropriadas das [transferências da Voz \(clientes registrados somente\)](#) ao diretório de `/opt/SW` no PGW2200 ativo e à espera. Certifique-se que o protocolo e as correções do sistema apropriados estão transferidos. Olhe estes: [Remende a combinação para 9.6\(1\)](#) [Remende a combinação para 9.7\(3\)](#) [Remende a combinação para 9.8\(1\)](#)
- Certifique-se de que o arquivo `decode<version_number>.pl` está transferido das [transferências da Voz \(clientes registrados somente\)](#) ao diretório de `/opt/SW`.
- Certifique-se de que os dois PGW2200 não sincronizam suas configurações durante a elevação. A fim fazer isto em ambos os PGW2200, edite o arquivo `/opt/CiscoMGC/etc/XECfgParm.dat` e ajuste o `pom.dataSync` do parâmetro a falso. **Você** deve ajustar `pom.dataSync` a **falso** nos pares ativos e à espera de Cisco PGW2200 Softswitches antes que você execute a elevação viva. Se você altera o `pom.dataSync` variable, certifique-se que você salvar o arquivo, `/opt/CiscoMGC/etc/XECfgParm.dat`. **Você** não tem que reiniciar Softswitch Cisco PGW 2200 após a alteração desta variável. Isto assegura-se de que um dos dois PGW2200 retenha a configuração antiga e a correção de programa em nível, de modo que haja uma maneira de retornar se algo vai mal.

[Componentes Utilizados](#)

A informação neste documento é baseada na liberação de Softswitch Cisco PGW 2200 9.7(3).

As informações neste documento foram criadas a partir de dispositivos em um ambiente de laboratório específico. Todos os dispositivos utilizados neste documento foram iniciados com uma configuração (padrão) inicial. Se a sua rede estiver ativa, certifique-se de que entende o impacto potencial de qualquer comando.

[Convenções](#)

For more information on document conventions, refer to the [Cisco Technical Tips Conventions](#).

[Procedimento de upgrade da correção de programa de Cisco PGW2200](#)

A primeira etapa neste procedimento é promover o PGW2200 à espera com as correções de programa novas quando você se assegurar de que o PGW2200 ativo continue a levar o tráfego até que o apoio esteja promovido à versão a mais atrasada.

1. Emita o **comando `rtrv-ne no mml`** a fim verificar o estado do PGW2200 à espera. O `mml` é a interface da linha de comando de Softswitch Cisco PGW 2200. Verifique então que o estado atual da plataforma é “APOIO.”

`mgcusr@PGW2200-2% mml`

PGW2200-2> **rtrv-ne**

```
MGC-02 - Media Gateway Controller 2009-05-22 01:47:26.795 EDT
M RTRV
"Type:MGC"
"Hardware platform:sun4u sparcsun4u UltraAX-i2"
"Vendor:"Cisco Systems, Inc.""
"Location:MGC-01 - Media Gateway Controller"
"Version:"9.7(3)""
"Platform State:STANDBY"
```

PGW2200-2>

2. Emita a **RTRV-esmola** e o **RTRV-softw**: comandos **all** no **mml**, a fim verificar o status do alarme e o estado do software. Se nenhuma Mensagem de Erro é relatado em problemas de software, continue a etapa 3. Se não, tente compreender a razão pela qual os alarmes são relatados.
3. Retire o aplicativo do **mml**. Você pode igualmente parada programada o aplicativo PGW2200.

```
PGW2200-2> quit
mgcusr@PGW2200% cd /etc/init.d
mgcusr@PGW2200% pwd
/etc/init.d
mgcusr@PGW2200-2% exit
login as: root
Using keyboard-interactive authentication.
Password:
Last login: Fri May 22 01:26:17 2009 from 10.1.1.1
Sun Microsystems Inc. SunOS 5.10 Generic January 2005
# cd /etc/init.d# ./CiscoMGC stop

Signalling procM to shut down, with the pid = 1940
Sun Microsystems Inc. SunOS 5.10 Generic January 2005
...shutdown complete
```

#

4. Verifique outra vez para ver se todos os processos no **mgcusr** estão para baixo. Emita o comando unix **picosegundo - ef**.

```
#ps -ef | grep mgcusr
```

#

5. Antes que você instale as correções de programa novas, verifique que correções de programa você quer instalar neste tempo. Na convenção de nomeação nova, os caracteres 5 e 6 descrevem os conteúdos do pacote, e os últimos três dígitos identificam o número da correção de programa. Por exemplo, se os caracteres são iguais a "012", isto identifica os pacotes como a correção de programa 12. Em resumo: Os pacotes do protocolo são etiquetados **CSCOnvvv:nn** — Indica os protocolos que específicos você precisa para seu ambiente. **vvv** — Indica a versão em nível da correção de programa. Um exemplo das correções de programa para estes pacotes do protocolo aparece neste formato:

```
#ps -ef | grep mgcusr
```

#

Nota: Instale somente o protocolo remenda-o necessidade. Emita o **pkginfo do** comando unix ou o comando **status de ./patch** sob o diretório **/opt/SW** verificar para fora isto. **Nota:** Certifique-se que o protocolo e as correções do sistema apropriados estiveram transferidos destes: [Remende a combinação para 9.2\(2\)](#) [Remende a combinação para](#)

[9.3\(2\)Remende a combinação para 9.4\(1\)Remende a combinação para 9.5\(2\)Remende a combinação para 9.6\(1\)Remende a combinação para 9.7\(3\)Remende a combinação para 9.8\(1\)](#)**Nota:** Refira os Release Note para as correções de programa e a transferência as mais atrasadas URL da correção de programa.

6. Para Softswitch Cisco PGW 2200 libere 9.7(3), transfira as correções de programa e os scripts da [versão do controlador do gateway dos Transferência-media do software 9.7\(3\) Sparc](#). Crie um dobrador, por exemplo, s24p24, sob o diretório de **/opt/SW** para guardar todos os arquivos de correção. Copie todas as correções de programa e scripts transferidos ao diretório de **/opt/SW/s24p24**. Deve incluir estes arquivos:

```
#ps -ef | grep mgcusr
```

```
#
```

Copie o **admin.file** ao dobrador que você criou com este comando:

```
cp /opt/SW/admin.file /opt/SW/s24p24
```

7. Sob o diretório de **/opt/SW/s24p24**, execute **Perl decode973sparc.pl** para descodificar pacotes codificados. Você pode escolher a descodifica os pacotes desejados ou descodifica todos os pacotes ao mesmo tempo.**Nota:** Por exemplo, se você executa este script com o nome do pacote, descodifica os pacotes atribuídos:

```
e.g. perl decode973sparc.pl C090703gs024.SPA
```

```
e.g. perl decode981sparc.pl C09080170005.SPA
```

Nota: Se você executa este script sem o nome do pacote sob **/opt/SW/s24p24**, todos os pacotes sob este diretório estão descodificados.

```
e.g. perl decode973sparc.pl
```

```
e.g. perl decode981sparc.pl
```

Todos os pacotes sob este diretório são rebatizados:

```
e.g. perl decode981sparc.pl
```

8. Certifique-se do script da correção de programa, os admin.file, e as correções de programa recentemente transferidas estejam no **diretório de /opt/SW/s24p24**. Neste exemplo, você promove da correção de programa 12 PGW2200 Softswitch para remendar 24.

```
mgcusr@PGW2200-2% pwd
```

```
/opt/SW/s24p24
```

```
mgcusr@PGW2200-2% ls -al
```

```
total 1885378
```

```
drwxrwxr-x  2 mgcusr  mgcgrp      1024 May 18 02:47 .
drwxr-xr-x 13 root    sys          512 Jan  4 2008 ..
-rw-rw-r--  1 mgcusr  mgcgrp    93227520 May 15 01:49 CSC000024.pkg
-rw-rw-r--  1 mgcusr  mgcgrp   21320192 May 15 02:53 CSC001024.pkg
-rw-rw-r--  1 mgcusr  mgcgrp   9137152  May 15 03:05 CSC002024.pkg
-rw-rw-r--  1 mgcusr  mgcgrp   49820672 May 15 05:18 CSC010024.pkg
-rw-rw-r--  1 mgcusr  mgcgrp   76101632 May 15 03:11 CSC020024.pkg
-rw-rw-r--  1 mgcusr  mgcgrp   61702144 May 15 05:03 CSC030024.pkg
-rw-rw-r--  1 mgcusr  mgcgrp   61044224 May 15 05:08 CSC031024.pkg
-rw-rw-r--  1 mgcusr  mgcgrp   79120384 May 15 05:13 CSC032024.pkg
-rw-rw-r--  1 mgcusr  mgcgrp   62429184 May 15 05:13 CSC033024.pkg
-rw-rw-r--  1 mgcusr  mgcgrp   60942336 May 15 01:50 CSC040024.pkg
```

```

-rw-rw-r-- 1 mgcusr mgcgrp 69136896 May 15 01:52 CSC041024.pkg
-rw-rw-r-- 1 mgcusr mgcgrp 17419776 May 15 02:49 CSC042024.pkg
-rw-rw-r-- 1 mgcusr mgcgrp 53905920 May 15 02:54 CSC050024.pkg
-rw-rw-r-- 1 mgcusr mgcgrp 31889920 May 15 02:53 CSC060024.pkg
-rw-rw-r-- 1 mgcusr mgcgrp 52454912 May 15 02:59 CSC070024.pkg
-rw-rw-r-- 1 mgcusr mgcgrp 47808512 May 15 03:05 CSC071024.pkg
-rw-rw-r-- 1 mgcusr mgcgrp 35650048 May 15 03:20 CSC080024.pkg
-rw-rw-r-- 1 mgcusr mgcgrp 81433088 May 15 03:29 CSC0gs024.pkg
-rwxrwxr-x 1 root sys 205 Feb 16 2000 admin.file
-rw-rw-r-- 1 mgcusr mgcgrp 2150 Mar 9 2007 decode973sparc.pl
-rw-r--r-- 1 root other 1600 May 18 02:57 logs
-rwxrwxr-x 1 root sys 16718 Jul 11 2008 patch973sparc.sh
mgcusr@PGW2200-2%

```

!--- This is the current patch level. mgcusr@PGW2200-2% **pkginfo | grep CSC0**

```

application CSC000012 Cisco Media Gateway Controller Software
core system protocols
application CSC001012 Cisco Media Gateway Controller Software
Miscellaneous Protocols
application CSC002012 Cisco Media Gateway Controller Software
Miscellaneous Protocols
application CSC010012 Cisco Media Gateway Controller Software
SS7 family protocols
application CSC020012 Cisco Media Gateway Controller Software PRI
family protocols
application CSC030012 Cisco Media Gateway Controller Software Q761
Version 1 family protocols
application CSC031012 Cisco Media Gateway Controller Software Q761
Version 1 family protocols
application CSC032012 Cisco Media Gateway Controller Software Q761
Version 1 family protocols
application CSC033012 Cisco Media Gateway Controller Software Q761
Version 1 Family protocols
application CSC040012 Cisco Media Gateway Controller Software Q761
Version 2 Protocol Family
application CSC041012 Cisco Media Gateway Controller Software Q761
Version2 Protocol Family
application CSC042012 Cisco Media Gateway Controller Software Q761
Version2 Protocol Family
application CSC050012 Cisco Media Gateway Controller Software Q761
Version 3 Protocol Family
application CSC060012 Cisco Media Gateway Controller Software Q721
Protocol Family
application CSC070012 Cisco Media Gateway Controller Software Q767
Protocol Family
application CSC071012 Cisco Media Gateway Controller Software Q767
Protocol Family
application CSC080012 Cisco Media Gateway Controller Software Q931
Protocol Family
application CSC0ga000 Cisco Media Gateway Controller Software
Licensing Components
application CSC0ga001 Cisco Media Gateway Controller Software
Application
application CSC0ga002 Cisco Media Gateway Controller Software
Database Components
application CSC0ga003 Cisco Media Gateway Controller Software
SNMP Components
application CSC0ga004 Cisco Media Gateway Controller Software
Toolkit Applications

```

```

application CSC0ga005      Cisco Media Gateway Controller Software
                           Oracle/XML Parser tools
application CSC0gc001      Cisco Media Gateway Controller Software
                           Configuration & Data Migration
application CSC0gd004      Cisco Media Gateway Controller Software
                           SCTP Streams Module
application CSC0gs012      Cisco Media Gateway Controller Software
                           Patch Package
application CSC0gt001      Cisco Media Gateway Controller Software
                           Analyzer/Simulator
utilities   CSC0gu000      Cisco Media Gateway Controller Software
                           Common Utilities & Libraries
utilities   CSC0h020      Media Gateway Controller Security package compatible with
Solaris 10
utilities   CSC0h021      Media Gateway Controller Solaris 10 test for SPARC/Opteron
utilities   CSC0h022      Media Gateway Controller Solaris 10 Patch Cluster
utilities   CSC0h023      Media Gateway Controller Solaris 10 DiskSuite
utilities   CSC0h026      Media Gateway Controller PGW Specific Solaris 10 packages

```

9. Rebatize o script `patch973sparc.sh` para remendar.

```
mgcusr@PGW2200-2% mv patch973sparc.sh patch
```

```
mgcusr@PGW2200-2% ls -al
```

```

total 1885378
drwxrwxr-x   2 mgcusr  mgcgrp      1024 May 18 02:47 .
drwxr-xr-x  13 root    sys         512 Jan  4 2008 ..
-rw-rw-r--   1 mgcusr  mgcgrp    93227520 May 15 01:49 CSC000024.pkg
-rw-rw-r--   1 mgcusr  mgcgrp    21320192 May 15 02:53 CSC001024.pkg
-rw-rw-r--   1 mgcusr  mgcgrp    9137152  May 15 03:05 CSC002024.pkg
-rw-rw-r--   1 mgcusr  mgcgrp    49820672 May 15 05:18 CSC010024.pkg
-rw-rw-r--   1 mgcusr  mgcgrp    76101632 May 15 03:11 CSC020024.pkg
-rw-rw-r--   1 mgcusr  mgcgrp    61702144 May 15 05:03 CSC030024.pkg
-rw-rw-r--   1 mgcusr  mgcgrp    61044224 May 15 05:08 CSC031024.pkg
-rw-rw-r--   1 mgcusr  mgcgrp    79120384 May 15 05:13 CSC032024.pkg
-rw-rw-r--   1 mgcusr  mgcgrp    62429184 May 15 05:13 CSC033024.pkg
-rw-rw-r--   1 mgcusr  mgcgrp    60942336 May 15 01:50 CSC040024.pkg
-rw-rw-r--   1 mgcusr  mgcgrp    69136896 May 15 01:52 CSC041024.pkg
-rw-rw-r--   1 mgcusr  mgcgrp    17419776 May 15 02:49 CSC042024.pkg
-rw-rw-r--   1 mgcusr  mgcgrp    53905920 May 15 02:54 CSC050024.pkg
-rw-rw-r--   1 mgcusr  mgcgrp    31889920 May 15 02:53 CSC060024.pkg
-rw-rw-r--   1 mgcusr  mgcgrp    52454912 May 15 02:59 CSC070024.pkg
-rw-rw-r--   1 mgcusr  mgcgrp    47808512 May 15 03:05 CSC071024.pkg
-rw-rw-r--   1 mgcusr  mgcgrp    35650048 May 15 03:20 CSC080024.pkg
-rw-rw-r--   1 mgcusr  mgcgrp    81433088 May 15 03:29 CSC0gs024.pkg
-rwxrwxr-x   1 root    sys         205 Feb 16 2000 admin.file
-rw-rw-r--   1 mgcusr  mgcgrp     2150 Mar  9 2007 decode973sparc.pl
-rw-r--r--   1 root    other      1600 May 18 02:57 logs
-rwxrwxr-x   1 root    sys      16718 Jul 11 2008 patch

```

```
mgcusr@PGW2200-2%
```

Para as liberações 9.8(1)S5P5 PGW e mais tarde, continue pisar 10. Para todas as versões anterior, continue a etapa 11.

10. Use o comando de `./delete_replication.sh` em Cisco ativo e à espera PGW2200

Softswitches a fim parar a replicação de TimesTen. O script é ficado situado no dobrador

de /opt/CiscoMGC/local.

11. Se não há nenhum erro na etapa 9, comece com a instalação das correções de programa. Emita o comando **all** de **./patch** sob o diretório de /opt/SW/s24p24. Você pode escolher instalar a correção de programa como dada no exemplo abaixo:

```
./patch all
!--- This will determine the most recent available patch, and automatically updates the
system with that patch.
```

```
./patch system 024
!--- This will install the specified system patch
```

```
./patch protocol 024
!--- This will install the specified protocol patch
```

```
./patch system latest
!--- This will install the most recently downloaded system patch.
```

```
./patch protocol latest
!--- This will install the most recently downloaded protocol patch.
```

```
mgcusr@PGW2200-2% cd /opt/SW/s24p24
```

```
mgcusr@PGW2200-2% ./patch all
```

```
User [mgcusr] is still logged in or has running processes.
```

```
Processes:
```

```
5884 pts/1    0:01 tcsh
```

```
Please log [mgcusr] out or kill processes before uninstalling.
```

```
#
```

Nota: Para a instalação da correção de programa, você precisa de logout como o mgcusr e de entrar outra vez como a raiz.

```
mgcusr@PGW2200-2% exit
```

```
login as: root
```

```
Using keyboard-interactive authentication.
```

```
Password:
```

```
Last login: Fri May 22 01:26:17 2009 from 10.1.1.1
```

```
Sun Microsystems Inc. SunOS 5.10 Generic January 2005# ./patch all
```

```
The following patches are about to be removed from your system:
```

```
CSC000012
```

```
CSC001012
```

```
CSC002012
```

```
CSC010012
```

```
CSC020012
```

```
CSC030012
```

```
CSC031012
```

```
CSC032012
```

```
CSC033012
```

```
CSC040012
```

```
CSC041012
```

```
CSC042012
```

```
CSC050012
```

CSC060012
CSC070012
CSC071012
CSC080012
CSC0gs012

These patch(es) are about to be added to your system from the local directory:

CSC000024.pkg
CSC001024.pkg
CSC002024.pkg
CSC010024.pkg
CSC020024.pkg
CSC030024.pkg
CSC031024.pkg
CSC032024.pkg
CSC033024.pkg
CSC040024.pkg
CSC041024.pkg
CSC042024.pkg
CSC050024.pkg
CSC060024.pkg
CSC070024.pkg
CSC071024.pkg
CSC080024.pkg
CSC0gs024.pkg

Are you sure this add/remove scenario is correct? [y] [y,n,?,q] **y**

Removal of <CSC000012> was successful.

Removal of <CSC001012> was successful.

Removal of <CSC002012> was successful.

Removal of <CSC010012> was successful.

Removal of <CSC020012> was successful.

Removal of <CSC030012> was successful.

Removal of <CSC031012> was successful.

Removal of <CSC032012> was successful.

Removal of <CSC033012> was successful.

Removal of <CSC040012> was successful.

Removal of <CSC041012> was successful.

Removal of <CSC042012> was successful.

Removal of <CSC050012> was successful.

Removal of <CSC060012> was successful.

Removal of <CSC070012> was successful.

Removal of <CSC071012> was successful.

Removal of <CSC080012> was successful.

Restoring saved /opt/CiscoMGC/bin/almM

Restoring saved /opt/CiscoMGC/bin/amDmpr

Restoring saved /opt/CiscoMGC/bin/ca

Restoring saved /opt/CiscoMGC/bin/cdrDmpr
Restoring saved /opt/CiscoMGC/bin/cfgM
Restoring saved /opt/CiscoMGC/bin/converter
Restoring saved /opt/CiscoMGC/bin/EISUP
Restoring saved /opt/CiscoMGC/bin/engine.no_smartalloc
Restoring saved /opt/CiscoMGC/bin/engine.smartalloc
Restoring saved /opt/CiscoMGC/bin/foverd
Restoring saved /opt/CiscoMGC/bin/get_trc.sh
Restoring saved /opt/CiscoMGC/bin/ioChanMgr
Restoring saved /opt/CiscoMGC/bin/ISDNIP
Restoring saved /opt/CiscoMGC/bin/ISDNL3
Restoring saved /opt/CiscoMGC/bin/IUA
Restoring saved /opt/CiscoMGC/bin/LogServerd
Restoring saved /opt/CiscoMGC/bin/M3UA
Restoring saved /opt/CiscoMGC/bin/measMgr
Restoring saved /opt/CiscoMGC/bin/MGCP
Restoring saved /opt/CiscoMGC/bin/mml
Restoring saved /opt/CiscoMGC/bin/mmSAgt
Restoring saved /opt/CiscoMGC/bin/pom
Restoring saved /opt/CiscoMGC/bin/procM
Restoring saved /opt/CiscoMGC/bin/replicator
Restoring saved /opt/CiscoMGC/bin/sagt
Restoring saved /opt/CiscoMGC/bin/sim
Restoring saved /opt/CiscoMGC/bin/simWriter
Restoring saved /opt/CiscoMGC/bin/SIP
Restoring saved /opt/CiscoMGC/bin/sp
Restoring saved /opt/CiscoMGC/bin/SS7
Restoring saved /opt/CiscoMGC/bin/SUA
Restoring saved /opt/CiscoMGC/bin/TALI
Restoring saved /opt/CiscoMGC/bin/TCAP
Restoring saved /opt/CiscoMGC/lib/libcmg.so
Restoring saved /opt/CiscoMGC/lib/libconvutil.so
Restoring saved /opt/CiscoMGC/lib/libcxn.so
Restoring saved /opt/CiscoMGC/lib/libda.so
Restoring saved /opt/CiscoMGC/lib/libeng.so
Restoring saved /opt/CiscoMGC/lib/libengif.so
Restoring saved /opt/CiscoMGC/lib/libhelp.so
Restoring saved /opt/CiscoMGC/lib/libinf.so
Restoring saved /opt/CiscoMGC/lib/libpolbase.so
Restoring saved /opt/CiscoMGC/lib/libpolcomp.so
Restoring saved /opt/CiscoMGC/lib/libpolfiles.so
Restoring saved /opt/CiscoMGC/lib/libpolnuman.so
Restoring saved /opt/CiscoMGC/lib/libpolroute.so
Restoring saved /opt/CiscoMGC/lib/libpom.so
Restoring saved /opt/CiscoMGC/lib/libpxe.so
Restoring saved /opt/CiscoMGC/lib/libpxelog.so
Restoring saved /opt/CiscoMGC/lib/librmg.so
Restoring saved /opt/CiscoMGC/lib/librudp.so
Restoring saved /opt/CiscoMGC/lib/libsa.so
Restoring saved /opt/CiscoMGC/lib/libxe.so
Restoring saved /opt/CiscoMGC/local/config-lib
Restoring saved /opt/CiscoMGC/local/migrateTKGFile
Restoring saved /opt/CiscoMGC/etc/alarmCats.dat
Restoring saved /opt/CiscoMGC/etc/extNodeTypes.dat
Restoring saved /opt/CiscoMGC/etc/measCats.dat
Restoring saved /opt/CiscoMGC/etc/mmlCommands.dat
Restoring saved /opt/CiscoMGC/etc/propSet.xml.dat
Restoring saved /opt/CiscoMGC/etc/propVal.xsd.dat
Restoring saved /opt/CiscoMGC/etc/variant.dat
Restoring saved /opt/CiscoMGC/etc/CONFIG_LIB/new/alarmCats.dat
Restoring saved /opt/CiscoMGC/etc/CONFIG_LIB/new/extNodeTypes.dat
Restoring saved /opt/CiscoMGC/etc/CONFIG_LIB/new/measCats.dat
Restoring saved /opt/CiscoMGC/etc/CONFIG_LIB/new/mmlCommands.dat
Restoring saved /opt/CiscoMGC/etc/CONFIG_LIB/new/properties.dat

Restoring saved /opt/CiscoMGC/etc/CONFIG_LIB/new/propSet.xml.dat
Restoring saved /opt/CiscoMGC/etc/CONFIG_LIB/new/propVal.xsd.dat
Restoring saved /opt/CiscoMGC/etc/CONFIG_LIB/new/variant.dat
Restoring saved /opt/CiscoMGC/etc/CONFIG_LIB/CFG_sgp2/alarmCats.dat
Restoring saved /opt/CiscoMGC/etc/CONFIG_LIB/CFG_sgp2/extNodeTypes.dat
Restoring saved /opt/CiscoMGC/etc/CONFIG_LIB/CFG_sgp2/measCats.dat
Restoring saved /opt/CiscoMGC/etc/CONFIG_LIB/CFG_sgp2/mmlCommands.dat
Restoring saved /opt/CiscoMGC/etc/CONFIG_LIB/CFG_sgp2/propSet.xml.dat
Restoring saved /opt/CiscoMGC/etc/CONFIG_LIB/CFG_sgp2/propVal.xsd.dat
Restoring saved /opt/CiscoMGC/etc/CONFIG_LIB/CFG_sgp2/variant.dat
Restoring saved /opt/CiscoMGC/etc/migrate/migrate_9.3001_9.4001
Restoring saved /opt/CiscoMGC/etc/migrate/migrate_cpp_4_5
Restoring saved /opt/CiscoMGC/etc/migrate/migrate_cpp_5_6
Restoring saved /opt/CiscoMGC/.sw_config/mmlCommands.xml
Backing out new file /opt/CiscoMGC/local/config-snmpp
Restoring saved /opt/Toolkit/bytecode/cdr/EntryLimit.tbc
Restoring saved /opt/Toolkit/bytecode/cdr/File.tbc
Restoring saved /opt/Toolkit/bytecode/cdr/position.dat
Restoring saved /opt/Toolkit/bytecode/cdr/presentation.dat
Restoring saved /opt/Toolkit/bytecode/cdr/search.tbc
Restoring saved /opt/Toolkit/bytecode/toolbar/Toolbar.tbc
Restoring saved /opt/Toolkit/bytecode/am/EntryLimit.tbc
Restoring saved /opt/Toolkit/bytecode/XECfg/XECfgParm.tbc

Removal of <CSC0gs012> was successful.

Uncompressing ASP_NotRealProtocol.mdo
Uncompressing ASP_NotRealProtocol.so
Uncompressing CALLVER.mdo
Uncompressing CALLVER.so
Uncompressing CALLVER_GENERIC_ANALYSIS.mdo
Uncompressing CALLVER_GENERIC_ANALYSIS.so
Uncompressing CALLVER_LCM.mdo
Uncompressing CDR_MAN.mdo
Uncompressing CDR_MAN.so
Uncompressing CONNECTION_PLANE_MANAGER.mdo
Uncompressing CONNECTION_PLANE_MANAGER.so
Uncompressing EISUP.mdo
Uncompressing EISUP.so
Uncompressing EISUP_96VER.mdo
Uncompressing EISUP_96VER.so
Uncompressing ETS_300_172_SLAVE.mdo
Uncompressing ETS_300_172_SLAVE.so
Uncompressing GENERIC_ANALYSIS.mdo
Uncompressing GENERIC_ANALYSIS.so
Uncompressing IN_TRIGGER.mdo
Uncompressing IN_TRIGGER.so
Uncompressing LEG_CONTROLLER.mdo
Uncompressing LEG_CONTROLLER.so
Uncompressing LEG_CONTROLLER_H248V2.mdo
Uncompressing LEG_CONTROLLER_H248V2.so
Uncompressing LEG_CONTROLLER_MGCP.mdo
Uncompressing LEG_CONTROLLER_MGCP.so
Uncompressing cc.mdo
Uncompressing cc.so
Uncompressing dummy.mdo
Uncompressing dummy.so
Uncompressing lcm.mdo
Uncompressing lcm.so

Installation of <CSC000024> was successful.

Uncompressing BTNUP_BTNR167.mdo
Uncompressing BTNUP_BTNR167.so

Uncompressing BTNUP_IUP.mdo

Uncompressing BTNUP_IUP.so
Uncompressing DPNSS_BTNR188.mdo
Uncompressing DPNSS_BTNR188.so
Uncompressing QBE.mdo
Uncompressing QBE.so

Installation of <CSC001024> was successful.

Uncompressing IETF_SIP.mdo
Uncompressing IETF_SIP.so

Installation of <CSC002024> was successful.

Uncompressing ANSISS7_2K.mdo
Uncompressing ANSISS7_2K.so
Uncompressing ANSISS7_92.mdo
Uncompressing ANSISS7_92.so
Uncompressing ANSISS7_C2.mdo
Uncompressing ANSISS7_C2.so
Uncompressing ANSISS7_C3.mdo
Uncompressing ANSISS7_C3.so
Uncompressing ANSISS7_E1.mdo
Uncompressing ANSISS7_E1.so
Uncompressing ANSISS7_STANDARD.mdo
Uncompressing ANSISS7_STANDARD.so
Uncompressing GR317.mdo
Uncompressing GR317.so

Installation of <CSC010024> was successful.

Uncompressing ATT_41459.mdo
Uncompressing ATT_41459.so
Uncompressing ATT_41459_C2.mdo
Uncompressing ATT_41459_C2.so
Uncompressing BELL_1268.mdo
Uncompressing BELL_1268.so
Uncompressing BELL_1268_C2.mdo
Uncompressing BELL_1268_C2.so
Uncompressing ETS_300_102.mdo
Uncompressing ETS_300_102.so
Uncompressing ETS_300_102_C2.mdo
Uncompressing ETS_300_102_C2.so
Uncompressing ETS_300_172.mdo
Uncompressing ETS_300_172.so

Installation of <CSC020024> was successful.

Uncompressing ETS_300_121.mdo
Uncompressing ETS_300_121.so
Uncompressing ETS_300_356.mdo
Uncompressing ETS_300_356.so
Uncompressing HONGKONG.mdo
Uncompressing HONGKONG.so
Uncompressing ISUPV1_POLI.mdo
Uncompressing ISUPV1_POLI.so
Uncompressing Q761_ARGENTINA.mdo
Uncompressing Q761_ARGENTINA.so
Uncompressing Q761_ARGENTINA_C2.mdo
Uncompressing Q761_ARGENTINA_C2.so
Uncompressing Q761_AUSTRAL.mdo
Uncompressing Q761_AUSTRAL.so
Uncompressing Q761_AUSTRAL_C2.mdo
Uncompressing Q761_AUSTRAL_C2.so

Installation of <CSC030024> was successful.

Uncompressing Q761_BASE.mdo
Uncompressing Q761_BASE.so
Uncompressing Q761_BELG.mdo

Uncompressing Q761_BELG.so
Uncompressing Q761_BELG_97VER.mdo
Uncompressing Q761_BELG_97VER.so
Uncompressing Q761_CHILE.mdo
Uncompressing Q761_CHILE.so
Uncompressing Q761_CHINA.mdo
Uncompressing Q761_CHINA.so
Uncompressing Q761_CHINA_C2.mdo
Uncompressing Q761_CHINA_C2.so
Uncompressing Q761_DANISH.mdo
Uncompressing Q761_DANISH.so

Installation of <CSC031024> was successful.

Uncompressing Q761_97VER_BASE.mdo
Uncompressing Q761_97VER_BASE.so
Uncompressing Q761_97VER_RUSS.mdo
Uncompressing Q761_97VER_RUSS.so
Uncompressing Q761_97VER_RUSS_C2.mdo
Uncompressing Q761_97VER_RUSS_C2.so
Uncompressing Q761_GERMAN.mdo
Uncompressing Q761_GERMAN.so
Uncompressing Q761_INDIA.mdo
Uncompressing Q761_INDIA.so
Uncompressing Q761_KOREAN.mdo
Uncompressing Q761_KOREAN.so
Uncompressing Q761_NEWZEALAND.mdo
Uncompressing Q761_NEWZEALAND.so
Uncompressing Q761_PERU.mdo
Uncompressing Q761_PERU.so
Uncompressing Q761_PORTUGAL.mdo
Uncompressing Q761_PORTUGAL.so

Installation of <CSC032024> was successful.

Uncompressing Q761_99VER_AUSTRAL_C3.mdo
Uncompressing Q761_99VER_AUSTRAL_C3.so
Uncompressing Q761_99VER_BASE.mdo
Uncompressing Q761_99VER_BASE.so
Uncompressing Q761_MALAYSIAN.mdo
Uncompressing Q761_MALAYSIAN.so
Uncompressing Q761_SINGAPORE.mdo
Uncompressing Q761_SINGAPORE.so
Uncompressing Q761_SINGAPORE_C2.mdo
Uncompressing Q761_SINGAPORE_C2.so
Uncompressing Q761_TAIWAN.mdo
Uncompressing Q761_TAIWAN.so
Uncompressing Q761_THAILAND.mdo
Uncompressing Q761_THAILAND.so

Installation of <CSC033024> was successful.

Uncompressing ISUPV2_AUSTRIAN.mdo
Uncompressing ISUPV2_AUSTRIAN.so
Uncompressing ISUPV2_CZECH.mdo
Uncompressing ISUPV2_CZECH.so
Uncompressing ISUPV2_DUTCH.mdo
Uncompressing ISUPV2_DUTCH.so
Uncompressing ISUPV2_FINNISH96.mdo
Uncompressing ISUPV2_FINNISH96.so
Uncompressing ISUPV2_FRENCH.mdo
Uncompressing ISUPV2_FRENCH.so
Uncompressing ISUPV2_GERMAN.mdo
Uncompressing ISUPV2_GERMAN.so
Uncompressing ISUPV2_ISRAEL.mdo
Uncompressing ISUPV2_ISRAEL.so

Installation of <CSC040024> was successful.

Uncompressing ISUPV2_JAPAN.mdo
Uncompressing ISUPV2_JAPAN.so
Uncompressing ISUPV2_JAPAN_C2.mdo
Uncompressing ISUPV2_JAPAN_C2.so
Uncompressing ISUPV2_NORWEGIAN.mdo
Uncompressing ISUPV2_NORWEGIAN.so
Uncompressing ISUPV2_POLISH.mdo
Uncompressing ISUPV2_POLISH.so
Uncompressing ISUPV2_SPANISH.mdo
Uncompressing ISUPV2_SPANISH.so
Uncompressing ISUPV2_SPANISH_C2.mdo
Uncompressing ISUPV2_SPANISH_C2.so
Uncompressing ISUPV2_SWISS.mdo
Uncompressing ISUPV2_SWISS.so
Uncompressing ISUPV2_SWISS_C2.mdo
Uncompressing ISUPV2_SWISS_C2.so

Installation of <CSC041024> was successful.

Uncompressing ISUPV2_AUSTRIAN_C2.mdo
Uncompressing ISUPV2_AUSTRIAN_C2.so
Uncompressing ISUPV2_VIETNAM.mdo
Uncompressing ISUPV2_VIETNAM.so

Installation of <CSC042024> was successful.

Uncompressing ISUPV3.mdo
Uncompressing ISUPV3.so
Uncompressing ISUPV3_FRENCH.mdo
Uncompressing ISUPV3_FRENCH.so
Uncompressing ISUPV3_UK.mdo
Uncompressing ISUPV3_UK.so
Uncompressing ISUPV3_UK_C2.mdo
Uncompressing ISUPV3_UK_C2.so
Uncompressing ISUPV3_UK_C3.mdo
Uncompressing ISUPV3_UK_C3.so
Uncompressing ISUPV3_UK_C4.mdo
Uncompressing ISUPV3_UK_C4.so

Installation of <CSC050024> was successful.

Uncompressing Q721_BASE.mdo
Uncompressing Q721_BASE.so
Uncompressing Q721_BRAZILIAN.mdo
Uncompressing Q721_BRAZILIAN.so
Uncompressing Q721_BRAZILIAN_C2.mdo
Uncompressing Q721_BRAZILIAN_C2.so
Uncompressing Q721_CHINA.mdo
Uncompressing Q721_CHINA.so
Uncompressing Q721_FRENCH.mdo
Uncompressing Q721_FRENCH.so
Uncompressing Q721_PHILLIPINE.mdo
Uncompressing Q721_PHILLIPINE.so

Installation of <CSC060024> was successful.

Uncompressing Q767_AUSTRALIA.mdo
Uncompressing Q767_AUSTRALIA.so
Uncompressing Q767_BASE.mdo
Uncompressing Q767_BASE.so
Uncompressing Q767_BRAZIL.mdo
Uncompressing Q767_BRAZIL.so
Uncompressing Q767_BRAZIL_C2.mdo
Uncompressing Q767_BRAZIL_C2.so
Uncompressing Q767_COLOMBIA.mdo
Uncompressing Q767_COLOMBIA.so
Uncompressing Q767_GUATEMALA.mdo

Uncompressing Q767_GUATEMALA.so
Uncompressing Q767_INDONESIA.mdo
Uncompressing Q767_INDONESIA.so
Uncompressing Q767_ITAL.mdo
Uncompressing Q767_ITAL.so
Uncompressing Q767_ITAL_C2.mdo
Uncompressing Q767_ITAL_C2.so

Installation of <CSC070024> was successful.

Uncompressing Q767_MEXICAN.mdo
Uncompressing Q767_MEXICAN.so
Uncompressing Q767_NIGERIAN.mdo
Uncompressing Q767_NIGERIAN.so
Uncompressing Q767_RUSS.mdo
Uncompressing Q767_RUSS.so
Uncompressing Q767_RUSS_C2.mdo
Uncompressing Q767_RUSS_C2.so
Uncompressing Q767_SINGAPORE.mdo
Uncompressing Q767_SINGAPORE.so
Uncompressing Q767_SPAN.mdo
Uncompressing Q767_SPAN.so
Uncompressing Q767_SWED.mdo
Uncompressing Q767_SWED.so
Uncompressing Q767_TURKISH.mdo
Uncompressing Q767_TURKISH.so

Installation of <CSC071024> was successful.

Uncompressing Q931.mdo
Uncompressing Q931.so
Uncompressing Q931_AUSTRALIA.mdo
Uncompressing Q931_AUSTRALIA.so
Uncompressing Q931_SINGAPORE.mdo
Uncompressing Q931_SINGAPORE.so

Installation of <CSC080024> was successful.

Uncompressing EISUP
Uncompressing ISDNIP
Uncompressing ISDNL3
Uncompressing IUA
Uncompressing LogServerd
Uncompressing M3UA
Uncompressing MGCP
Uncompressing SIP
Uncompressing SS7
Uncompressing SUA
Uncompressing TALI
Uncompressing TCAP
Uncompressing almM
Uncompressing amDmpr
Installing ca
Uncompressing cdrDmpr
Uncompressing cfgM
Uncompressing converter
Installing engine.no_smartalloc
Installing engine.smartalloc
Uncompressing foverd
Installing get_trc.sh
Uncompressing ioChanMgr
Uncompressing measMgr
Uncompressing mmSAGt
Uncompressing mml
Uncompressing pom
Uncompressing procM
Uncompressing replicator

Uncompressing sagt
Installing sim
Installing simWriter
Installing sp
Installing alarmCats.dat
Installing extNodeTypes.dat
Installing measCats.dat
Installing mmlCommands.dat
Installing propSet.xml.dat
Installing propVal.xsd.dat
Installing variant.dat
Installing alarmCats.dat
Installing extNodeTypes.dat
Installing measCats.dat
Installing mmlCommands.dat
Installing propSet.xml.dat
Installing propVal.xsd.dat
Installing properties.dat
Installing variant.dat
Installing alarmCats.dat
Installing extNodeTypes.dat
Installing measCats.dat
Installing migrate_cpp_4_5
Installing migrate_cpp_5_6
Installing mmlCommands.dat
Installing propSet.xml.dat
Installing propVal.xsd.dat
Installing variant.dat
Installing libcmg.so
Installing libconvutil.so
Installing libcxn.so
Installing libda.so
Installing libeng.so
Installing libengif.so
Installing libhelp.so
Installing libinf.so
Installing libpolbase.so
Installing libpolcomp.so
Installing libpolfiles.so
Installing libpolnuman.so
Installing libpolroute.so
Uncompressing libpom.so
Uncompressing libpxe.so
Uncompressing libpxelog.so
Installing librmg.so
Uncompressing librudp.so
Installing libsa.so
Uncompressing libxe.so
Installing libexpect5.32.so
Updating parameters for CiscoMGC
Updating parameters for mmlCommands.xml
Updating parameters for migrate_9.3001_9.4001
Updating parameters for .dump-prov
Updating parameters for .master.cks
Updating parameters for config-lib
Updating parameters for config-snmp
Updating parameters for delete_replication.sh
Updating parameters for migrateTKGFile
Updating /opt/CiscoMGC/bin/almM
Updating /opt/CiscoMGC/bin/amDmpr
Updating /opt/CiscoMGC/bin/ca
Updating /opt/CiscoMGC/bin/cdrDmpr
Updating /opt/CiscoMGC/bin/cfgM
Updating /opt/CiscoMGC/bin/converter

Updating /opt/CiscoMGC/bin/EISUP
Updating /opt/CiscoMGC/bin/engine.no_smartalloc
Updating /opt/CiscoMGC/bin/engine.smartalloc
Updating /opt/CiscoMGC/bin/foverd
Updating /opt/CiscoMGC/bin/get_trc.sh
Updating /opt/CiscoMGC/bin/ioChanMgr
Updating /opt/CiscoMGC/bin/ISDNIP
Updating /opt/CiscoMGC/bin/ISDNL3
Updating /opt/CiscoMGC/bin/IUA
Updating /opt/CiscoMGC/bin/LogServerd
Updating /opt/CiscoMGC/bin/M3UA
Updating /opt/CiscoMGC/bin/measMgr
Updating /opt/CiscoMGC/bin/MGCP
Updating /opt/CiscoMGC/bin/mml
Updating /opt/CiscoMGC/bin/mmSAGt
Updating /opt/CiscoMGC/bin/pom
Updating /opt/CiscoMGC/bin/procM
Updating /opt/CiscoMGC/bin/replicator
Updating /opt/CiscoMGC/bin/sagt
Updating /opt/CiscoMGC/bin/sim
Updating /opt/CiscoMGC/bin/simWriter
Updating /opt/CiscoMGC/bin/SIP
Updating /opt/CiscoMGC/bin/sp
Updating /opt/CiscoMGC/bin/SS7
Updating /opt/CiscoMGC/bin/SUA
Updating /opt/CiscoMGC/bin/TALI
Updating /opt/CiscoMGC/bin/TCAP
Updating /opt/CiscoMGC/etc/alarmCats.dat
Updating /opt/CiscoMGC/etc/extNodeTypes.dat
Updating /opt/CiscoMGC/etc/measCats.dat
Updating /opt/CiscoMGC/etc/mmlCommands.dat
Updating /opt/CiscoMGC/etc/propSet.xml.dat
Updating /opt/CiscoMGC/etc/propVal.xsd.dat
Updating /opt/CiscoMGC/etc/variant.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/new/alarmCats.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/new/extNodeTypes.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/new/measCats.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/new/mmlCommands.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/new/properties.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/new/propSet.xml.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/new/propVal.xsd.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/new/variant.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/CFG_sgp2/alarmCats.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/CFG_sgp2/extNodeTypes.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/CFG_sgp2/measCats.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/CFG_sgp2/mmlCommands.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/CFG_sgp2/propSet.xml.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/CFG_sgp2/propVal.xsd.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/CFG_sgp2/variant.dat
Updating /opt/CiscoMGC/etc/migrate/migrate_9.3001_9.4001
Updating /opt/CiscoMGC/etc/migrate/migrate_cpp_4_5
Updating /opt/CiscoMGC/etc/migrate/migrate_cpp_5_6
Updating /opt/CiscoMGC/lib/libcmg.so
Updating /opt/CiscoMGC/lib/libconvutil.so
Updating /opt/CiscoMGC/lib/libcxn.so
Updating /opt/CiscoMGC/lib/libda.so
Updating /opt/CiscoMGC/lib/libeng.so
Updating /opt/CiscoMGC/lib/libengif.so
Updating /opt/CiscoMGC/lib/libhelp.so
Updating /opt/CiscoMGC/lib/libinf.so
Updating /opt/CiscoMGC/lib/libpolbase.so
Updating /opt/CiscoMGC/lib/libpolcomp.so
Updating /opt/CiscoMGC/lib/libpolfiles.so
Updating /opt/CiscoMGC/lib/libpolnuman.so


```

Updating /opt/CiscoMGC/lib/libpolroute.so
Updating /opt/CiscoMGC/lib/libpom.so
Updating /opt/CiscoMGC/lib/libpxe.so
Updating /opt/CiscoMGC/lib/libpxelog.so
Updating /opt/CiscoMGC/lib/librmg.so
Updating /opt/CiscoMGC/lib/librudp.so
Updating /opt/CiscoMGC/lib/libsa.so
Updating /opt/CiscoMGC/lib/libxe.so
Updating /opt/CiscoMGC/local/config-lib
Updating /opt/CiscoMGC/local/config-snmp
Updating /opt/CiscoMGC/local/delete_replication.sh
Updating /opt/CiscoMGC/local/migrateTKGFile
Updating /opt/CiscoMGC/snmp/measurement.my
Updating /opt/CiscoMGC/snmp/snmpinfo.dat
Updating /opt/CiscoMGC/.sw_config/mmlCommands.xml
Updating /opt/Toolkit/bytecode/cdr/EntryLimit.tbc
Updating /opt/Toolkit/bytecode/cdr/File.tbc
Updating /opt/Toolkit/bytecode/cdr/position.dat
Updating /opt/Toolkit/bytecode/cdr/presentation.dat
Updating /opt/Toolkit/bytecode/cdr/search.tbc
Updating /opt/Toolkit/bytecode/toolbar/Toolbar.tbc
Updating /opt/Toolkit/bytecode/log/EntryLimit.tbc
Updating /opt/Toolkit/bytecode/log/File.tbc
Updating /opt/Toolkit/bytecode/am/AlarmView.tbc
Updating /opt/Toolkit/bytecode/am/EntryLimit.tbc
Updating /opt/Toolkit/bytecode/tv/EntryLimit.tbc
Updating /opt/Toolkit/bytecode/XECfg/XECfgParm.tbc

```

```

Update proc-setid core flag.
Done.

```

```

Installation of <CSCOgs024> was successful
#

```

12. Após a instalação bem-sucedida de todas as correções de programa, reinicie o aplicativo PGW2200 Softswitch e verifique-o para certificar-se de que todos os processos são em serviço corretamente.

```

#
# cd /etc/init.d
# ./CiscoMGC start
Application started
#
# ps -ef | grep mgcusr

root 1967 16890  0 06:02:30 pts/1      0:00 grep mgcusr
mgcusr 1961  1940  1 06:02:11 ?          0:00 ../bin/mmdbd -X 30007
mgcusr 1944  1940  1 06:02:03 ?          0:00 ../bin/cdrDmpr -X 30005
mgcusr 1951  1940  1 06:02:06 ?          0:00 ../bin/replicator -X 3000d -C
../etc/XECfgParm.dat -t
mgcusr 1963  1940  1 06:02:12 ?          0:01 ../bin/TCAP -X 30010
mgcusr 1947  1940  1 06:02:04 ?          0:01 ../bin/pom -X 30008
mgcusr 1948  1940  1 06:02:04 ?          0:00 ../bin/diskmonitor -X 30006
mgcusr 1950  1940  3 06:02:06 ?          0:02 ../bin/engine -X 3000e
mgcusr 1946  1940  1 06:02:04 ?          0:00 ../bin/measMgr -X 30003
mgcusr 1940    1  1 06:01:58 ?          0:00 procM
mgcusr 1945  1940  1 06:02:03 ?          0:00 ../bin/cfgM -X 30001
mgcusr 1931    1  0 06:01:57 ?          0:00 ../bin/LogServerd -d
mgcusr 1943  1940  1 06:02:03 ?          0:00 ../bin/amDmpr -X 30004

# exit

```

13. Use o comando mml a fim verificar o status de standby PGW2200 Softswitch. Nota: Depois que você reinicia o PGW2200 Softswitch, o ESTADO pode ser OOS por até um par

minutos. Mas por outro lado as alterações de status ao APOIO. Se tal não for o caso, tente verificar o sistema com um **comando mml**. Você pode emitir o **RTRV-softw: tudo e comandos rtrv-alms**, por exemplo.

```
mgcusr@PGW2200-2% mml
```

```
Copyright © 1998-2008, Cisco Systems, Inc.
```

```
PGW2200-2 mml> rtrv-ne
```

```
;  
MGC-02 - Media Gateway Controller 2009-05-22 02:17:58.091 EDT  
M RTRV  
"Type:MGC"  
"Hardware platform:sun4u sparcsunw,UltraAX-i2"  
"Vendor:"Cisco Systems, Inc."  
"Location:MGC-02 - Media Gateway Controller"  
"Version:"9.7(3)"  
"Platform State:STANDBY"
```

```
PGW2200-2 mml>
```

14. Verifique o software e o status do alarme:

```
PGW2200-2 mml> rtrv-softw:all
```

```
MGC-02 - Media Gateway Controller 2009-05-22 02:19:14.006 EDT  
M RTRV  
"CFM-01:RUNNING STANDBY"  
"ALM-01:RUNNING STANDBY"  
"MM-01:RUNNING STANDBY"  
"AMDMPR-01:RUNNING STANDBY"  
"CDRDMPR-01:RUNNING STANDBY"  
"DSKM-01:RUNNING IN N/A STATE"  
"MMDB-01:RUNNING IN N/A STATE"  
"POM-01:RUNNING STANDBY"  
"MEASAGT:RUNNING STANDBY"  
"OPERSAGT:RUNNING STANDBY"  
"mgcp-1:RUNNING IN N/A STATE"  
"Replic-01:RUNNING STANDBY"  
"ENG-01:RUNNING STANDBY"  
"IOCM-01:RUNNING STANDBY"  
"TCAP-01:RUNNING IN N/A STATE"  
"m3ua-1:RUNNING IN N/A STATE"  
"FOD-01:RUNNING IN N/A STATE"
```

```
PGW2200-2 mml> rtrv-alms
```

```
PGW2200-2 mml> quit
```

```
mgcusr@PGW2200%
```

15. Em caso de outros problemas, verifique as mensagens no arquivo de **/opt/CiscoMGC/var/log/platform.log**. Se você não pode resolver o problema, abrir um caso com o [centro de assistência técnica da Cisco \(TAC\)](#) e incluir o arquivo de captura do processo da correção de programa da elevação, em combinação com a informação de **platform.log**. **Nota:** Não promova o sistema ativo com o nível novo da correção de programa até que o problema esteja analisado. Se tudo é toda direito, continue a etapa 16.

16. Execute o mesmo processo outra vez para o PGW2200 Softswitch que é atualmente ativo. Primeiro interruptor sobre o PGW ativo ao status de standby:

```
PGW2200-1 mml> rtrv-ne
```

```
MGC-02 - Media Gateway Controller 2009-05-22 02:17:58.091 EDT
```

```
M RTRV  
"Type:MGC"  
"Hardware platform:sun4u sparcsunw,UltraAX-i2"  
"Vendor:"Cisco Systems, Inc."  
"Location:MGC-02 - Media Gateway Controller"
```

```

"Version:"9.7(3)""
"Platform State:ACTIVE"
;
PGW2200-1>
PGW2200-1> sw-over::confirm
MGC-02 - Media Gateway Controller 2004-01-28 09:56:56.883 GMT
M COMPLD
"Proc Mgr"
;
PGW2200-1 mml>
!--- Note: The system comes into OOS !--- status for some time until the system comes to
the final !--- Standby status. Do a rtrv-ne several times !--- in order to find out the
final status. If the status still remains !--- in OOS, check the PGW 2200 alarm status !--
- with rtrv-alm.

PGW2200-1 mml> rtrv-ne
MGC-02 - Media Gateway Controller 2009-05-22 02:17:58.091 EDT
M RTRV
"Type:MGC"
"Hardware platform:sun4u sparcsun4u UltraAX-i2"
"Vendor:"Cisco Systems, Inc.""
"Location:MGC-02 - Media Gateway Controller"
"Version:"9.7(3)""
"Platform State:STANDBY"
PGW2200-1 mml>

```

Nota: Verifique PGW2200-2, se este sistema reage do modo ativo.

17. Se o sistema reage do modo standby, passe a etapa 1 outra vez e promova PGW 2200-1 com as correções de programa novas. Para as liberações 9.8(1)S5P5 PGW e mais tarde, continue a etapa 18. Para todas as versões anterior, continue a etapa 19.
18. Comece a replicação de TimesTen nos pares ativos e à espera de Cisco PGW2200 Softswitches. Refira a seção de [inicialização da replicação de base de dados da instalação de software e do manual de configuração da liberação 9.8 de Softswitch Cisco PGW 2200](#) para mais informação e instruções em como começar a replicação.
19. Depois que o PGW2200 Softswitches foi promovido, edite o arquivo de `/opt/CiscoMGC/etc/XECfgParm.dat` em PGW2200 Softswitches e ajuste o `pom.dataSync` do parâmetro à ordem do truein para restaurar a sincronização de configuração.

[Informações Relacionadas](#)

- [Pesquisando defeitos TechNotes para Softswitch Cisco PGW 2200](#)
- [Exemplos de configuração e TechNotes para Softswitch Cisco PGW 2200](#)
- [Apoio de tecnologia de voz](#)
- [Suporte ao Produto de Voz e Comunicações Unificadas](#)
- [Pesquisando defeitos o Cisco IP Telephony](#)
- [Suporte Técnico - Cisco Systems](#)