

# Cisco PGW 2200 Softswitch版本9.6及以后的升级补丁程序

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## [Introduction](#)

本文描述如何升级Cisco PGW 2200 Softswitch Release 9.6及以后版本与新的软件补丁。

**Note:** 在更旧的PGW2200版本中，例如版本7.x，升级进程用Sun Solaris pkgadd命令和pkgrm执行。不能发出这些Sun Solaris命令与Cisco PGW 2200 Softswitch Release 9.2及以后版本。称为‘补丁程序的’新脚本做工作，正如本文所描述。

## [Prerequisites](#)

### [Requirements](#)

Cisco 建议您了解以下主题：

- [Cisco PGW 2200 Softswitch Release 9](#)
- [Cisco PGW 2200软交换产品排除故障和戒备](#)
- [MGC节点Solaris 8程序包软件下载\(仅限注册用户\)](#)

新目录在Cisco PGW 2200 Softswitch Release 9.2的以后最初的基本软件安装时被创建和。目录称为/opt/SW。用户预计从[语音下载\(仅限注册用户\)](#)下载所有新的补丁程序到此位置。并且，新的shell脚本程序‘补丁程序’在/opt/SW目录里带有标准的安装和安装。

这是前提对于此程序：

- **Note:** 从9.8(1)补丁程序5开始，在升级，请确定前TimesTen守护程序在活动 and 暂挂Cisco PGW 2200软交换运行。如果TimesTen守护程序不运行，请以根权限使用start命令的/etc/init.d/tt。
- **Note:** 从9.8(1)补丁程序5开始，被建议您使用在活动 and 暂挂Cisco PGW 2200软交换的./backupDb.sh ttbackup.tar为了在升级前备份TimesTen数据库。脚本位于/opt/CiscoMGC/local文件夹。
- 验证目录/opt/SW是存在活动 and 暂挂PGW2200。
- 验证名为‘补丁程序’和‘admin.file的’两个文件是存在目录/opt/SW里。
- 从[语音下载\(仅限注册用户\)](#)下载适当的PGW2200补丁程序到在活动 and 暂挂PGW2200的/opt/SW目录。确定下载正确的协议和系统补丁。看一看在这些：[修补组合为9.6\(1\)修补组合为9.7\(3\)修补组合为9.8\(1\)](#)

- 切记decode<version\_number>.pl文件从[语音下载\(仅限注册用户\)](#)下载对/opt/SW目录。
- 切记在升级期间，两PGW 2200s不同步他们的配置。为了执行此在两PGW 2200s，请编辑文件/opt/CiscoMGC/etc/XECfgParm.dat并且设置参数pom.datasync对错误。在您执行实际升级前，您必须设置pom.dataSyncto错误在活动 and 暂挂对Cisco PGW 2200软交换。如果修改pom.dataSyncvariable，请确定您保存文件， /opt/CiscoMGC/etc/XECfgParm.dat。您不必须在此变量的修改以后重新启动Cisco PGW 2200软交换。这保证一个两PGW 2200s保留旧的配置和补丁程序级别，因此有方式返回，如果某事出错。

## Components Used

本文的信息根据Cisco PGW 2200 Softswitch Release 9.7(3)。

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

有关文档规则的详细信息，请参阅 [Cisco 技术提示规则](#)。

## Cisco PGW 2200补丁程序升级程序

在此程序的第一步将升级与新的补丁程序的暂挂PGW2200，当您保证活动PGW2200继续运载数据流时，直到暂挂被升级到新版本。

1. 发出rtrv-ne命令在mml为了检查暂挂PGW2200的状态。mml是Cisco PGW 2200软交换的line命令接口。然后请验证当前平台状态是“暂挂”。

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

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

```
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,SUNW,UltraAX-i2"
  "Vendor:"Cisco Systems, Inc.""
  "Location:MGC-01 - Media Gateway Controller"
  "Version:"9.7(3)""
  "Platform State:STANDBY"

```

```
PGW2200-2>
```

2. 发出rtrv-arms和rtrvsoftw：所有in命令mml，为了检查告警状态和软件状态。如果错误信息没有被报告关于软件问题，请进行对第3步。否则，请设法了解原因为什么警报报告。
3. 退出mml应用程序。您能也关闭PGW2200应用程序。

```
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. 再检查发现在mgcusr的所有进程是否发生故障。发出unix命令ps - ef。

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

```
#
```

5. 在您安装新的补丁程序前，请检查哪些补丁程序您要此时安装。在新的命名惯例，字符5和6描述程序包内容，并且前三个位确定补丁程序编号。例如，如果字符是相等的到"012"，这识别程序包作为补丁程序12。总之：协议程序包被标记CSCOnnvvv : nn —指示您为您的环境需要的特定协议。vvv —指示补丁程序的版本级别。补丁程序的示例这些协议程序包的出现以此格式：

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

```
#
```

**Note:** 安装仅协议修补您需要。发出unix命令pkginfo或./patch status命令下面目录/opt/SW检查此。**Note:** 确定正确的协议和系统补丁从这些下载了：[修补组合为9.2\(2\)](#)[修补组合为9.3\(2\)](#)[修补组合为9.4\(1\)](#)[修补组合为9.5\(2\)](#)[修补组合为9.6\(1\)](#)[修补组合为9.7\(3\)](#)[修补组合为9.8\(1\)](#)**Note:** 请参见最新的补丁程序和补丁程序下载URL的版本注释。

6. 对于Cisco PGW 2200 Softswitch Release 9.7(3)，从[软件下载媒体网关控制器9.7\(3\) Sparc版本](#)请下载补丁程序和脚本。创建一个文件夹，例如，s24p24，在/opt/SW目录里拿着所有补丁文件。复制所有下载的补丁程序和脚本到/opt/SW/s24p24目录。它必须包含这些文件：

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

```
#
```

复制admin.file到您用此命令创建了文件夹：

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

7. 在/opt/SW/s24p24目录里，请运行perl decode973sparc.pl解码编码的程序包。您能选择到解码期望程序包或一次解码所有程序包。**Note:** 例如，如果运行此脚本以数据包名称，它解码分配的程序包：

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

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

**Note:** 如果运行此脚本没有数据包名称在/opt/SW/s24p24下，所有程序包在此目录里解码。

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

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

所有程序包在此目录里改名：

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

8. 检查补丁程序脚本、admin.file和最近下载的补丁程序在/opt/SW/s24p24目录里。在本例中，您从PGW2200软交换补丁程序12升级修补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	CSCO70012	Cisco Media Gateway Controller Software Q767 Protocol Family
application	CSCO71012	Cisco Media Gateway Controller Software Q767 Protocol Family
application	CSCO80012	Cisco Media Gateway Controller Software Q931 Protocol Family
application	CSCOGa000	Cisco Media Gateway Controller Software Licensing Components
application	CSCOGa001	Cisco Media Gateway Controller Software Application
application	CSCOGa002	Cisco Media Gateway Controller Software Database Components
application	CSCOGa003	Cisco Media Gateway Controller Software SNMP Components
application	CSCOGa004	Cisco Media Gateway Controller Software Toolkit Applications
application	CSCOGa005	Cisco Media Gateway Controller Software Oracle/XML Parser tools
application	CSCOGc001	Cisco Media Gateway Controller Software Configuration & Data Migration
application	CSCOGd004	Cisco Media Gateway Controller Software SCTP Streams Module
application	CSCOGs012	Cisco Media Gateway Controller Software Patch Package
application	CSCOGt001	Cisco Media Gateway Controller Software Analyzer/Simulator
utilities	CSCOGu000	Cisco Media Gateway Controller Software Common Utilities & Libraries
utilities	CSCOh020	Media Gateway Controller Security package compatible with Solaris 10
utilities	CSCOh021	Media Gateway Controller Solaris 10 test for SPARC/Opteron
utilities	CSCOh022	Media Gateway Controller Solaris 10 Patch Cluster
utilities	CSCOh023	Media Gateway Controller Solaris 10 DiskSuite
utilities	CSCOh026	Media Gateway Controller PGW Specific Solaris 10 packages

## 9. 给脚本patch973sparc.sh改名修补。

```
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%
```

对于PGW版本9.8(1)S5P5和以后，请进行对第10.步。对于所有老版本，请进行对第11.步。

10. 请使用 `./delete_replication.sh` on命令活动和暂挂Cisco PGW 2200软交换为了终止TimesTen复制。脚本位于 `/opt/CiscoMGC/local` 文件夹。
11. 如果没有在第9步的错误，请从补丁程序的安装开始。发出 `./patch all` 命令在 `/opt/SW/s24p24` 目录里。您能选择安装补丁程序如产生在下面示例上：

```
./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.
```

```
#
```

**Note:** 对于补丁程序安装，您需要退出作为mgcusr和再登陆作为根。

```
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 <CSC00024> 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/mmlSAGt  
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. 在所有补丁程序以后成功的安装，请重新启动PGW2200软交换应用程序并且检查确信，所有进程正确地是正在运行的。

```

#
# 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. 请使用mml命令为了检查PGW2200软交换备用状态。**Note:** 在您重新启动PGW2200软交换后，状态可以是OOS至两三分钟。另一方面，但是对暂挂的状态变化。如果这不是实际情形，请设法用mml命令检查系统。您能发出rtrvsoftw：例如所有和rtrv-almns命令。

```
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 sparc SUNW,UltraAX-i2"
  "Vendor:"Cisco Systems, Inc.""
  "Location:MGC-02 - Media Gateway Controller"
  "Version:"9.7(3)""
  "Platform State:STANDBY"

```

```
PGW2200-2 mml>
```

14. 检查软件和告警状态：

```
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-almns
```

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

```
mgcusr@PGW2200%
```

15. 在其他问题的情况下，请检查在/opt/CiscoMGC/var/log/platform.log文件的消息。如果不能解决问题，开与[Cisco技术支持中心\(TAC\)](#)的一个Case和包含升级补丁程序进程的捕获文件，与platform.log信息的组合。**Note:** 请勿升级有新的补丁程序级别的活动系统，直到分析了问题。如果一切是顺利，请进行对第16步。

16. 再次表演同一个进程当前活跃的PGW2200软交换的。第一换成活动PGW备用状态：

```
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,SUNW,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,SUNW,UltraAX-i2"
  "Vendor:"Cisco Systems, Inc.""
  "Location:MGC-02 - Media Gateway Controller"
  "Version:"9.7(3)""
  "Platform State:STANDBY"
PGW2200-1 mml>

```

**Note:** 如果此系统在激活模式，检查PGW2200-2。

17. 如果系统在备用方式下，再请去step1并且升级与新的补丁程序的PGW 2200-1。对于PGW版本9.8(1)S5P5和以后，请进行对第18步。对于所有老版本，请进行对第19步。
18. 开始在活动和暂挂对的TimesTen复制Cisco PGW 2200软交换。参考[Cisco PGW 2200 Softswitch Release 9.8软件安装和配置指南的初始化的数据库复制](#)关于如何的部分欲知更多信息和指令开始复制。
19. 在两PGW2200软交换被升级了后，请编辑在两PGW2200软交换的/opt/CiscoMGC/etc/XECfgParm.dat文件并且设置参数pom.datasync为truein顺序恢复配置同步。

## [Related Information](#)

- [排除Cisco PGW 2200软交换的TechNotes故障](#)
- [配置示例和TechNotes Cisco PGW 2200软交换的](#)
- [语音技术支持](#)
- [语音和统一通信产品支持](#)
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