

PGW 2200 Softswitch Upgrade from Release 9.4(1) to 9.5(1)

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Introduction

This document describes the process of upgrade from Cisco PGW 2200 Public Switched Telephone Network (PSTN) Gateway release 9.4(1) to 9.5(1). It explains the upgrade in both Call Control and Signaling mode.

Prerequisites

Requirements

Readers of this document should have knowledge of these topics:

- [Cisco Media Gateway Controller Software Release 9 Documentation](#)
- [Cisco PGW 2200 Security Enhancements](#)
- [Upgrading the Cisco MGC Software](#)

Before you start the upgrade, consider these cautions:



Caution: Be sure that the Cisco PGW 2200 software is shut down before you start the upgrade. Also, be sure that the system administrator has logged in as root.



Caution: Always start the migration or upgrade from the PGW 2200 standby box.

Components Used

The information in this document is based on the PGW 2200 release 9.4(1) and later.

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

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

PGW 2200 Upgrade Procedure

Complete these steps before you start the upgrade from PGW 2200 release 9.4(1) to 9.5(1):

1. Make a backup of the software that currently runs.

To do this, issue the **mgcbbackup.sh** PGW 2200 command under the directory `/opt/CiscoMGC/local`.

```
mgcusr@PGW2200A% mgcbbackup .sh
```

```
Backup Main Menu
```

```
-----
```

Note: to exit the script at anytime use `ctrl-c`

1. Backup Now
2. Backup Schedule
3. Backup History
4. Exit

Enter option **1**.

2. To check the TimesTen database, issue the command **db_count.sh**.

Note: For more information about the TimesTen database, refer to the document [Configuring the Cisco MGC Software](#).

```
mgcusr@PGW2200A% db_count .sh
```

```
Counting the rows in each database table.
```

```
CISCO.A_CHARGE_ORIGIN      < 0 >
CISCO.A_NUMBERDIALPLANSELECTION < 2 >
CISCO.BLACKLIST_A         < 0 >
CISCO.BLACKLIST_B         < 0 >
CISCO.NUMBERTERM          < 0 >
CISCO.PORTEDNUMBERS       < 37 >
CISCO.WHITELIST_A         < 0 >
CISCO.WHITELIST_B         < 1 >
```

3. Check the replication between PGW 2200 active and standby.

```
mgcusr@PGW2200A% replication_status.sh
```

```
Replication status.
```

Peer name	Host name	Port	State	Proto
HOWDYDB	PGW2200B	2980	Start	8

Last Msg Sent	Last Msg Recv	Latency	TPS	RecordsPS	Logs
7578:18:28	-	0.03	38	38	1

Note: For a description of this output, refer to the `replication.pdf` file. You find the file in the directory `/opt/TimesTen4.3/doc`.

4. Ensure that you have the `pom.dataSync` parameter, located in `XECfgParm.dat`, set to `false` during the upgrade process. This is an example:

```
mgcusr@mgc-bru-22% grep pom.data XECfgParm.dat
pom.dataSync = false # don't synch slave data with master
mgcusr@mgc-bru-22%
```

Refer to either the [Release Notes for the Cisco Media Gateway Controller Software Release 9.4\(1\)](#) or the [Release Notes for the Cisco Media Gateway Controller Software Release 9.5\(1\)T](#). Also, see the information included in the [Requirements](#) section of this document.

Note: This is the valid order of steps to install PGW 2200 and upgrade it to the latest version:

1. Refer to the document [Sun Solaris 8 Operating System Installation](#) to be sure that the Solaris installation information matches your Sun station.

If it does not match, reinstall the software.

Note: Refer to the [Solaris 8, Cisco MGC 9.2\(x\) and Higher Software Release Pre-Installation Checklists](#) section of the document [Preparing](#)

[for Sun Solaris Operating System and Cisco MGC Software Installation.](#)

2. Refer to the document [Release Notes for the Solaris 8 Environment Packages](#) for the CSCOh015 [Solaris 8 Patch Cluster](#).

This patch contains the latest set of Solaris 2.8 patches that have been tested with the Cisco product. The version of this patch is 2.0(x). The patch is updated on a regular basis.

3. Install PGW 2200 software.
4. Install the Solaris system security patch CSCOh013.

To obtain the patch, refer to the [System Security Patch](#) section of the [Release Notes for the Solaris 8 Environment Packages](#).

5. Reboot your Sun PGW 2200 station.

Note: For uninstallation, you must uninstall the CSCOh013 before you uninstall the PGW 2200 software. If you have installed the security package, you should remove it before you install Sun Solstice DiskSuite. Replace the security package after you complete the DiskSuite installation. If you have installed the security package without DiskSuite and removed it after the installation of DiskSuite, the box does not boot. You must remove the Solaris security package to upgrade the PGW 2200 release.



Caution: To begin the upgrade from 9.4(1), you first need to change the `pom.dataSync` entry in the `XECfgParm.dat` file. You find the file in the `/opt/CiscoMGC/etc` directory. Issue the UNIX editor command `vi` to change the entry to `pom.dataSync = false`. Make the change for both PGW 2200 active and standby status.

Complete these steps to perform the upgrade:

1. Close the PGW 2200 application.
2. From the `cd /etc/init.d/` directory, issue the `./CiscoMGC stop` command.
3. Navigate to the directory to which you have downloaded the new version of PGW 2200.
4. Check the file `install.log` for reported errors after the upgrade process.

Note: During the installation and uninstallation of the PGW 2200, files named `uninstall.log` and `MGC_install.log` are placed in `/var/adm`.

It is best to capture all the information displayed to the application you used for the upgrade process.

5. Issue the UNIX command `chmod 774 uninstall.sh install.sh` to make the `uninstall.sh` and `install.sh` files executables.
6. Uninstall the PGW 2200 release 9.4(1).

```
# ./uninstall.sh
```

```
#####  
# READ CAREFULLY BEFORE  
PROCEEDING!!!  
# This uninstall will allow the user to return to the last good installation  
by #  
# answering "NO" to the following question. You MAY NOT install an arbitrary earlier  
#  
# version of the software without experiencing fatal install problems. If you  
do #  
# return to the last good install prior to the current install, you will lose any  
#  
# provisioning work you may have performed on the current software  
install. #  
#####
```

```
Is the uninstall being done in order to upgrade to a new version of the  
software? [y] [y,n,?,q] y
```

```
Use supplied admin file for unattended removal? [n] [y,n,?,q] y
```

```
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-snmp
Backing out new file /opt/CiscoMGC/local/delete_replication.sh
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/log/EntryLimit.tbc
Restoring saved /opt/Toolkit/bytecode/log/File.tbc
Restoring saved /opt/Toolkit/bytecode/am/AlarmView.tbc
Restoring saved /opt/Toolkit/bytecode/am/EntryLimit.tbc
Restoring saved /opt/Toolkit/bytecode/tv/EntryLimit.tbc
Restoring saved /opt/Toolkit/bytecode/XECfg/XECfgParm.tbc
```

Removal of <CSCOgs015> was successful.

Removal of <CSCOgt001> was successful.

```
110 1034430a 763 23 1 sctpmod (sctp streams module)
unloading existing sctpmod
index = 110
```

Removal of <CSCOgd004> was successful.

```
Removing /opt/CiscoMGC/etc/migrate/migrate.dat
Removing /opt/CiscoMGC/etc/migrate/migrate_4_5
Removing /opt/CiscoMGC/etc/migrate/migrate_5_6
Removing /opt/CiscoMGC/etc/migrate/migrate_6_7
Removing /opt/CiscoMGC/etc/migrate/migrate_7.0001_7.0002
Removing /opt/CiscoMGC/etc/migrate/migrate_7.0001_7.1
Removing /opt/CiscoMGC/etc/migrate/migrate_7.0002_7.1
Removing /opt/CiscoMGC/etc/migrate/migrate_7.0003_7.1
Removing /opt/CiscoMGC/etc/migrate/migrate_7.0004_7.1
Removing /opt/CiscoMGC/etc/migrate/migrate_7.0005_7.1006
Removing /opt/CiscoMGC/etc/migrate/migrate_7.0_7.0001
Removing /opt/CiscoMGC/etc/migrate/migrate_7.1001_7.1002
Removing /opt/CiscoMGC/etc/migrate/migrate_7.1002_7.1003
Removing /opt/CiscoMGC/etc/migrate/migrate_7.1003_7.1004
Removing /opt/CiscoMGC/etc/migrate/migrate_7.1004_7.1005
Removing /opt/CiscoMGC/etc/migrate/migrate_7.1005_7.1006
Removing /opt/CiscoMGC/etc/migrate/migrate_7.1006_8.0
Removing /opt/CiscoMGC/etc/migrate/migrate_7.1006_8.0.sql
Removing /opt/CiscoMGC/etc/migrate/migrate_7.1007_7.1008
Removing /opt/CiscoMGC/etc/migrate/migrate_7.1008_8.0
Removing /opt/CiscoMGC/etc/migrate/migrate_7.1008_8.0.sql
Removing /opt/CiscoMGC/etc/migrate/migrate_7.1009_8.0
Removing /opt/CiscoMGC/etc/migrate/migrate_7.1009_8.0.sql
Removing /opt/CiscoMGC/etc/migrate/migrate_7.1010_8.0001
Removing /opt/CiscoMGC/etc/migrate/migrate_7.1010_8.0001.sql
Removing /opt/CiscoMGC/etc/migrate/migrate_7.1_7.1001
Removing /opt/CiscoMGC/etc/migrate/migrate_7.1_7.1001.sql
```

```
Removing /opt/CiscoMGC/etc/migrate/migrate_8.0001_9.0
Removing /opt/CiscoMGC/etc/migrate/migrate_8.0001_9.0001
Removing /opt/CiscoMGC/etc/migrate/migrate_8.0_9.0
Removing /opt/CiscoMGC/etc/migrate/migrate_9.0001_9.0002
Removing /opt/CiscoMGC/etc/migrate/migrate_9.0002_9.0003
Removing /opt/CiscoMGC/etc/migrate/migrate_9.0003_9.1
Removing /opt/CiscoMGC/etc/migrate/migrate_9.0003_9.1.sql
Removing /opt/CiscoMGC/etc/migrate/migrate_9.0_9.0001
Removing /opt/CiscoMGC/etc/migrate/migrate_9.1001_9.1002
Removing /opt/CiscoMGC/etc/migrate/migrate_9.1002_9.2
Removing /opt/CiscoMGC/etc/migrate/migrate_9.1_9.1001
Removing /opt/CiscoMGC/etc/migrate/migrate_9.1_9.1002
Removing /opt/CiscoMGC/etc/migrate/migrate_9.2001_9.2002
Removing /opt/CiscoMGC/etc/migrate/migrate_9.2002_9.2003
Removing /opt/CiscoMGC/etc/migrate/migrate_9.2003_9.3
Removing /opt/CiscoMGC/etc/migrate/migrate_9.2_9.2001
Removing /opt/CiscoMGC/etc/migrate/migrate_9.3001_9.4001
Removing /opt/CiscoMGC/etc/migrate/migrate_9.3001_9.4001.sql
Removing /opt/CiscoMGC/etc/migrate/migrate_9.3_9.3001
Removing /opt/CiscoMGC/etc/migrate/migrate_XECfgParm
Removing /opt/CiscoMGC/etc/migrate/migrate_cpp_4_5
Removing /opt/CiscoMGC/etc/migrate/migrate_cpp_5_6
Removing /opt/CiscoMGC/etc/migrate/migrate_cpp_DB
Removing /opt/CiscoMGC/etc/migrate/migrate_db_to_91.sh
Uninstalling /opt/CiscoMGC/etc/migrate/migrate_scr.tar.gz
Removing /opt/CiscoMGC/etc/CONFIG_LIB/4.0_to_5.0/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/4.0_to_5.0/components.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/4.0_to_5.0/dependencies.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/4.0_to_5.0/processes.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/4.0_to_5.0/propLookUp.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/4.0_to_5.0/services.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/5.0_to_6.0/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/5.0_to_6.0/alarmCats.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/5.0_to_6.0/compTypes.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/5.0_to_6.0/components.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/5.0_to_6.0/propSet.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/5.0_to_6.0/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/5.0_to_6.0/services.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/6.0_to_7.0/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/6.0_to_7.0/alarmCats.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/6.0_to_7.0/compTypes.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/6.0_to_7.0/components.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/6.0_to_7.0/dependencies.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/6.0_to_7.0/measCats.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/6.0_to_7.0/processes.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/6.0_to_7.0/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/6.0_to_7.0/services.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0001_to_7.0002/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0001_to_7.0002/processes.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0001_to_7.0002/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0001_to_7.0002/services.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0001_to_7.1/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0001_to_7.1/compTypes.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0001_to_7.1/components.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0001_to_7.1/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0001_to_7.1/services.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0002_to_7.1/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0002_to_7.1/components.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0002_to_7.1/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0002_to_7.1/services.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0003_to_7.1/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0003_to_7.1/components.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0003_to_7.1/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0003_to_7.1/services.mod
```

```
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0004_to_7.1/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0004_to_7.1/components.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0004_to_7.1/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0004_to_7.1/services.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0005_to_7.1006/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0005_to_7.1006/components.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0005_to_7.1006/dependencies.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0005_to_7.1006/procGroups.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0005_to_7.1006/processes.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0005_to_7.1006/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0_to_7.0001/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0_to_7.0001/alarmCats.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0_to_7.0001/compTypes.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0_to_7.0001/components.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0_to_7.0001/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0_to_7.0001/services.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.0_to_7.1/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1001_to_7.1002/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1001_to_7.1002/components.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1001_to_7.1002/processes.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1002_to_7.1003/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1002_to_7.1003/components.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1003_to_7.1004/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1003_to_7.1004/dependencies.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1003_to_7.1004/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1003_to_7.1004/services.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1004_to_7.1005/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1004_to_7.1005/processes.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1004_to_7.1005/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1005_to_7.1006/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1005_to_7.1006/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1006_to_8.0/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1006_to_8.0/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1006_to_8.0/services.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1007_to_7.1008/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1007_to_7.1008/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1008_to_8.0/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1008_to_8.0/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1009_to_8.0/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1009_to_8.0/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1010_to_8.0001/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1010_to_8.0001/components.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1010_to_8.0001/processes.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1010_to_8.0001/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1_to_7.1001/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1_to_7.1001/components.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1_to_7.1001/dependencies.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1_to_7.1001/procGroups.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1_to_7.1001/processes.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.1_to_7.1001/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.2_to_9.1/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/7.2_to_9.1/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/8.0001_to_9.0/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/8.0001_to_9.0/components.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/8.0001_to_9.0/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/8.0001_to_9.0001/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/8.0001_to_9.0001/components.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/8.0001_to_9.0001/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/8.0_to_9.0/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/8.0_to_9.0/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/8.0_to_9.0/components.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.0001_to_9.0002/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.0001_to_9.0002/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.0002_to_9.0003/
```

```
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.0002_to_9.0003/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.0003_to_9.1/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.0003_to_9.1/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.0003_to_9.1/accRespCat.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.0_to_9.0001/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.0_to_9.0001/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.1001_to_9.1002/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.1001_to_9.1002/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.1002_to_9.2/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.1002_to_9.2/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.1_to_9.1001/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.1_to_9.1001/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.1_to_9.1002/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.1_to_9.1002/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.2001_to_9.2002/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.2001_to_9.2002/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.2002_to_9.2003/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.2002_to_9.2003/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.2003_to_9.3/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.2003_to_9.3/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.2_to_9.2001/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.3001_to_9.4001/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.3001_to_9.4001/components.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.3001_to_9.4001/properties.mod
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.3_to_9.3001/
Removing /opt/CiscoMGC/etc/CONFIG_LIB/9.3_to_9.3001/properties.modUninstalling
/opt/CiscoMGC/etc/CONFIG_LIB/migrate_mod.tar.gz
```

Removal of <CSCOgc001> was successful.

Removal of <CSCOga005> was successful.

```
Uninstalling /opt/Toolkit/tcl/tcl.tar.gz
Uninstalling /opt/Toolkit/bytecode/tv/tv.tar.gz
Uninstalling /opt/Toolkit/bytecode/toolbar/toolbar.tar.gz
Uninstalling /opt/Toolkit/bytecode/log/Viewer.tar.gz
Uninstalling /opt/Toolkit/bytecode/cdr/cdr.tar.gz
Uninstalling /opt/Toolkit/bytecode/am/am.tar.gz
Uninstalling /opt/Toolkit/bytecode/XECfg/XECfg.tar.gz
Uninstalling /opt/Toolkit/Packages/Packages.tar.gz
```

Removal of <CSCOga004> was successful.

Removal of <CSCOga003> was successful.

```
Exporting database contents for DSN=howdydb into /opt/CiscoMGC/etc/export.ttdb
Backup started for datastore howdydb
Backup Complete
Successful backup, uninstall continuing
Creating ttMigrate file
Saving table CISCO.A_CHARGE_ORIGIN
    Saving rows...
    0/0 rows saved.
Table successfully saved.
```

Saving table CISCO.A_NUMBERDIALPLANSELECTION

```
    Saving rows...
    0/0 rows saved.Table successfully saved.
```

Saving table CISCO.BLACKLIST_A

```
    Saving rows...
    0/0 rows saved.Table successfully saved.
```

Saving table CISCO.BLACKLIST_B

Saving rows...
0/0 rows saved.Table successfully saved.

Saving table CISCO.CLIIPADDRESS

Saving rows...
0/0 rows saved.Table successfully saved.

Saving table CISCO.CLIPREFIX

Saving index CISCO.CLIPREFIX_IDX1
Saving rows...
0/0 rows saved.

Table successfully saved.

Saving table CISCO.CMDGROUP

Saving rows...
71/71 rows saved.
Table successfully saved.

Saving table CISCO.H323IDDIVFROM

Saving rows...
0/0 rows saved.
Table successfully saved.

Saving table CISCO.NAMEDINPUTPARAMS

Saving index CISCO.NAMEDINIDX1
Saving rows...
103/103 rows saved.
Table successfully saved.

Saving table CISCO.NAMEDOUTPUTPARAMS

Saving index CISCO.NAMEDOUTIDX1
Saving rows...
40/40 rows saved.
Table successfully saved.

Saving table CISCO.NAMEDSQL

Saving index CISCO.NAMEDSQLIX1
Saving rows...
56/56 rows saved.
Table successfully saved.

Saving table CISCO.NUMBERTERM

Saving index CISCO.NUMBERTERM_IDX1
Saving rows...
0/0 rows saved.
Table successfully saved.

Saving table CISCO.PORTEDNUMBERS

Saving rows...
0/0 rows saved.
Table successfully saved.

Saving table CISCO.SCHEMA_VERSION

Saving rows...
5/5 rows saved.
Table successfully saved.

Saving table CISCO.WHITELIST_A

Saving rows...
0/0 rows saved.
Table successfully saved.

Saving table CISCO.WHITELIST_B

Saving rows...
0/0 rows saved.
Table successfully saved.

Saving replication schema table TTREP.REPELEMENTS

Saving rows...
0/0 rows saved.
Replication schema table successfully saved.

Saving replication schema table TTREP.REPLICATIONS

Saving rows...
1/1 row saved.
Replication schema table successfully saved.

Saving replication schema table TTREP.REPPEERS

Saving rows...
0/0 rows saved.
Replication schema table successfully saved.

Saving replication schema table TTREP.REPSTORES

Saving rows...
0/0 rows saved.
Replication schema table successfully saved.

Saving replication schema table TTREP.REPSUBSCRIPTIONS

Saving rows...
0/0 rows saved.
Replication schema table successfully saved.

Saving replication schema table TTREP.REPTABLES

Saving rows...
0/0 rows saved.
Replication schema table successfully saved.

Saving replication schema table TTREP.TTSTORES

Saving rows...
0/0 rows saved.
Replication schema table successfully saved.
Successful ttMigrate, uninstall continuing
The 32-bit daemon has stopped successfully.
Modifying /etc/syslog.conf

Removal of <CSCOga002> was successful.

/opt/CiscoMGC/bin/engine: No such file or directory

Removal of <CSCOga001> was successful.

Removal of <CSCOga000> was successful.

Modifying /etc/init.d/inetinit

UX: userdel: ERROR: mgcusr is in use. Cannot remove it.

UX: groupdel: ERROR: Cannot update system files - group cannot be deleted.

!--- Note: This is a normal error.

Removal of <CSCOgu000> was successful.

Removal of <CSCO00016> was successful.

Removal of <CSCO01016> was successful.

Removal of <CSCO02016> was successful.

Removal of <CSCO10016> was successful.

Removal of <CSCO20016> was successful.

Removal of <CSCO30016> was successful.

Removal of <CSCO31016> was successful.

Removal of <CSCO32016> was successful.

Removal of <CSCO33016> was successful.

Removal of <CSCO40016> was successful.

Removal of <CSCO41016> was successful.

Removal of <CSCO42016> was successful.

Removal of <CSCO50016> was successful.

Removal of <CSCO60016> was successful.

Removal of <CSCO70016> was successful.

Removal of <CSCO71016> was successful.

Removal of <CSCO80016> was successful.

Uninstallation log can be found in /var/adm/MGC_uninstall.log

7. To begin to install PGW 2200 version 9.5(1), issue the **./install.sh** command.

Note: Each installation phase has successful or unsuccessful/failed information.

./install.sh

Use supplied admin file for unattended install? [n] [y,n,?,q] **y**

Base directory for Toolkit (default /opt/Toolkit) [?,q]

!--- Note: If you want to upgrade or install the PGW 2200 toolkit, enter y.

```
#####  
# The CSCOgu000 utilities package must be installed prior to other  
components #  
# but has not been detected on your system. This package contains all required  
system #  
# parameters necessary for installing the rest of your software. If you do not  
install #  
# this package, the installation script will  
exit. #  
#####
```

Would you like to install it now? [y] [y,n,?,q] **y**

Base directory for CiscoMGC (default /opt/CiscoMGC) [?,q]

!--- Press enter.

```
Enter CiscoMGC user name [mgcusr]
Enter CiscoMGC group name [mgcgrp]
[mgcgrp] group already exists - continuing
[mgcusr] user already exists - continuing
Modifying /etc/init.d/inetinit
```

Installation of <CSC0gu000> was successful.

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Cisco Systems, Inc.
13615 Dulles Technology Drive
Herndon, VA 20171

Installation of <CSC0ga000> was successful.

```
Uncompressing EISUP
Uncompressing ISDNIP
Uncompressing ISDNL3
Uncompressing IUA
Uncompressing LI
Uncompressing LogServerd
Uncompressing M3UA
Uncompressing MGCP
Uncompressing SIP
Uncompressing SS7
Uncompressing SUA
Uncompressing TALI
Uncompressing TCAP
Uncompressing almM
Uncompressing amDmpr
Uncompressing cdrDmpr
Uncompressing cfgM
Installing chk_inv
Uncompressing engine.no_smartalloc
Uncompressing engine.smartalloc
Uncompressing foverd
Uncompressing ioChanMgr
Uncompressing measMgr
Uncompressing mmBldCfg
Uncompressing mmdbd
Uncompressing mml
Uncompressing pom
Uncompressing procM
Uncompressing replicator
Installing libACE.so
Uncompressing libbtsUtil.so
Uncompressing libcmg.so
Uncompressing libconvutil.so
Uncompressing libcxn.so
Uncompressing libda.so
Uncompressing libeng.so
Uncompressing libengif.so
Uncompressing libhelp.so
```

```
Uncompressing libinf.so
Uncompressing libmmdb.so
Uncompressing libpem.so
Uncompressing libpolbase.so
Uncompressing libpolcomp.so
Uncompressing libpolfiles.so
Uncompressing libpolnuman.so
Uncompressing libpolroute.so
Uncompressing libpom.so
Uncompressing libpxe.so
Uncompressing libpxelog.so
Uncompressing librds.so
Uncompressing librmg.so
Uncompressing librudp.so
Uncompressing libsa.so
Installing libsunmath.so.1
Installing libtten.so
Uncompressing libxe.so
Updating parameters for CiscoMGC
Updating parameters for SW_Layout.cfg
Updating parameters for helpCommands.xsd
Updating parameters for mmlCommands.xml
Updating parameters for mmlLICommands.xml
Updating parameters for log_rotate.sh
Updating parameters for startAudit.sh
Updating parameters for diagdata
Updating parameters for .create_liusr
Updating parameters for .cshrc
Updating parameters for .delete_liusr
Updating parameters for .dump-prov
Updating parameters for .master.cks
Updating parameters for .perf_setup
Updating parameters for backup.sh
Updating parameters for config-lib
Updating parameters for config-snmp
Updating parameters for diskmonitor.sh
Updating parameters for init.tcl
Updating parameters for mgcbbackup
Updating parameters for mgcrestore
Updating parameters for restore.sh
Updating parameters for rmsem.sh
Updating parameters for startAudit.mml
Updating parameters for startLogServer
```

Installation of <CSC0ga001> was successful.

```
Modifying /etc/syslog.conf
Updating parameters for .odbc.ini
Updating parameters for backupDb.sh
Updating parameters for restoreDb.sh
  Preparing to install TimesTen4.3 in /opt on mgc-bru-19
  Executing TimesTen installation script...
```

Installing 32-bit version...

Of the three components:

- [1] TimesTen Client/Server and Data Manager
- [2] TimesTen Data Manager Only
- [3] TimesTen Client Only

```
Begin installing in /opt/TimesTen4.3 ...
Creating /opt/TimesTen4.3 ...
Uncompressing...
```

The TimesTen Demo applications can take up to 64 Mbytes of disk space. Depending on how your system is configured, you may not want to create the DemoDataStore directory in the default location : /var/TimesTen/TT4.3/32/DemoDataStore

Creating /var/TimesTen/TT4.3/32/DemoDataStore ...

System logging appears to be configured correctly.
(TimesTen syslog messages seem to be recorded in the file '/var/adm/messages')
Starting the daemon ...
Installing TimesTen Server...
Installing TimesTen Server startup/shutdown scripts...
Creating new /var/TimesTen/sys.ttconnect.ini
Creating /opt/TimesTen4.3/doc ...
Extracting /opt/ttdb-install/doc/doc.tar ...
End of TimesTen installation.
TimesTen installation script returned status 0

Program complete

Restoring backup schema.
Restoring database contents for DSN=howdydb from /opt/CiscoMGC/etc/export.ttdb
Restore started for datastore howdydb
Restore completed

Installation of <CSCOga002> was successful.

smpd.cnf up to date, no configuration upgrade required
Uncompressing mmSAGt
Uncompressing sagt
Uncompressing libsa.so
Updating parameters for snmpd
Updating parameters for critagt.cnf
Updating inittab

Installation of <CSCOga003> was successful.

Installing /opt/Toolkit/Packages/Packages.tar.gz
Installing /opt/Toolkit/bytecode/XECfg/XECfg.tar.gz
Installing /opt/Toolkit/bytecode/am/am.tar.gz
Installing /opt/Toolkit/bytecode/cdr/cdr.tar.gz
Installing /opt/Toolkit/bytecode/log/Viewer.tar.gz
Installing /opt/Toolkit/bytecode/toolbar/toolbar.tar.gz
Installing /opt/Toolkit/bytecode/tv/tv.tar.gz
Installing /opt/Toolkit/tcl/tcl.tar.gz
Updating parameters for MGC_Setup
Updating parameters for MGC_Toolkit
Updating parameters for init.tcl
Updating parameters for toolbar.sh
Updating parameters for toslaveside
Setting VERSION=9.5(1) in version.dat

Installation of <CSCOga004> was successful.

Installation of <CSCOga005> was successful.
Installing /opt/CiscoMGC/lib/perl5/5.00503.tar.gz
Installing /opt/tibrv/tibco.tar.gz
Updating parameters for tibco.cfg
Updating parameters for tib4pgw.sh
Updating parameters for tibAdapter.pl
Updating parameters for tibsimulator.pl

Installation of <CSCOga006> was successful.

```
Installing ca
Uncompressing callver
Installing get_trc.sh
Installing sim
Installing simWriter
Uncompressing siptool
Installing sp
```

Installation of <CSCOgt001> was successful.

```
OS is 64-bits
sctpmod not loaded
loading sctpmod
```

Installation of <CSCOgd004> was successful.

```
Updating parameters for XECfgParm.dat
Updating parameters for trigger.dat
Updating parameters for migrate
Updating parameters for migrateTKGFile
Installing /opt/CiscoMGC/etc/CONFIG_LIB/migrate_mod.tar.gz
Installing /opt/CiscoMGC/etc/migrate/migrate_scr.tar.gz
```

Installation of <CSCOgc001> was successful.

```
Uncompressing EISUP
Uncompressing ISDNL3
Uncompressing IUA
Uncompressing LI
Uncompressing M3UA
Uncompressing MGCP
Uncompressing SIP
Uncompressing SS7
Uncompressing SUA
Uncompressing TALI
Uncompressing TCAP
Uncompressing amDmpr
Installing ca
Uncompressing cdrDmpr
Uncompressing engine.no_smartalloc
Uncompressing engine.smartalloc
Uncompressing foverd
Uncompressing ioChanMgr
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 propSet.xml.dat
Installing propVal.xsd.dat
Installing trigger.dat
Installing variant.dat
Installing alarmCats.dat
Installing extNodeTypes.dat
Installing measCats.dat
Installing propSet.xml.dat
Installing propVal.xsd.dat
```

```
Installing properties.dat
Installing trigger.dat
Installing variant.dat
Installing alarmCats.dat
Installing extNodeTypes.dat
Installing measCats.dat
Installing migrate_cpp_4_5
Installing migrate_cpp_5_6
Installing migrate_cpp_DB
Installing propSet.xml.dat
Installing propVal.xsd.dat
Installing variant.dat
Uncompressing libcmg.so
Uncompressing libconvutil.so
Uncompressing libcxn.so
Uncompressing libda.so
Uncompressing libeng.so
Uncompressing libengif.so
Uncompressing libhelp.so
Uncompressing libinf.so
Uncompressing libmmdb.so
Uncompressing libpolbase.so
Uncompressing libpolcomp.so
Uncompressing libpolfiles.so
Uncompressing libpolnuman.so
Uncompressing libpolroute.so
Uncompressing libpxelog.so
Uncompressing librmg.so
Uncompressing libxe.so
Updating parameters for migrate_9.4001_9.5001
Updating parameters for migrate_XECfgParm
Updating parameters for trigger.dat
Updating parameters for delete_replication.sh
Updating /opt/CiscoMGC/bin/amDmpr
Updating /opt/CiscoMGC/bin/ca
Updating /opt/CiscoMGC/bin/cdrDmpr
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/ioChanMgr
Updating /opt/CiscoMGC/bin/ISDNL3
Updating /opt/CiscoMGC/bin/IUA
Updating /opt/CiscoMGC/bin/LI
Updating /opt/CiscoMGC/bin/M3UA
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/propSet.xml.dat
```

```

Updating /opt/CiscoMGC/etc/propVal.xsd.dat
Updating /opt/CiscoMGC/etc/trigger.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/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/trigger.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/new/variant.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/CFG_testrmdp2/alarmCats.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/CFG_testrmdp2/extNodeTypes.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/CFG_testrmdp2/measCats.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/CFG_testrmdp2/propSet.xml.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/CFG_testrmdp2/propVal.xsd.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/CFG_testrmdp2/trigger.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/CFG_testrmdp2/variant.dat
Updating /opt/CiscoMGC/etc/CONFIG_LIB/9.3001_to_9.4001/properties.mod
Updating /opt/CiscoMGC/etc/CONFIG_LIB/9.4001_to_9.5001/properties.mod
Updating /opt/CiscoMGC/etc/migrate/migrate_9.4001_9.5001
Updating /opt/CiscoMGC/etc/migrate/migrate_cpp_4_5
Updating /opt/CiscoMGC/etc/migrate/migrate_cpp_5_6
Updating /opt/CiscoMGC/etc/migrate/migrate_cpp_DB
Updating /opt/CiscoMGC/etc/migrate/migrate_XECfgParm
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/libmmdb.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/libpxelog.so
Updating /opt/CiscoMGC/lib/librmg.so
Updating /opt/CiscoMGC/lib/libxe.so
Updating /opt/CiscoMGC/local/delete_replication.sh
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/am/AlarmView.tbc
Updating /opt/Toolkit/bytecode/am/EntryLimit.tbc
Updating /opt/Toolkit/bytecode/tv/EntryLimit.tbc
Updating /opt/Toolkit/bytecode/XECfg/XECfgParm.tbc
mv: cannot access /opt/CiscoMGC/patch/CSCOGs002/local/.master.cks

```

Installation of <CSCOGs002> was successful.

Miscellaneous Protocols

```

#####
##          01          ##          02          ##
#####
## BTNUP_BTNR167 ## IETF_SIP ##
## BTNUP_IUP      ##          ##
## DPNSS_BTNR188 ##          ##
#####

```

```

SS7 Protocol Family
#####
##          10          ##          PRI Protocol Family
##          ##          #####
#####
## ANSISS7_92          ##          ## ATT_41459          ##
## ANSISS7_C2          ##          ## ATT_41459_C2        ##
## ANSISS7_C3          ##          ## BELL_1268          ##
## ANSISS7_E1          ##          ## BELL_1268_C2      ##
## ANSISS7_STANDARD    ##          ## ETS_300_102       ##
## GR317                ##          ## ETS_300_102_C2   ##
##                      ##          ## ETS_300_172       ##
#####

```

Q761 Version 1 Protocol Family

```

#####
##          30          ##          31          ##          32          ##
33          ##
#####
## ETS_300_121          ##          Q761_BASE          ##          Q761_GERMAN          ##
Q761_SINGAPORE          ##
## ETS_300_356          ##          Q761_BELG          ##          Q761_INDIA          ##
Q761_SINGAPORE_C2      ##
## HONGKONG            ##          Q761_BELG_97VER    ##          Q761_KOREAN          ##
Q761_TAIWAN            ##
## ISUPV1_POLI         ##          Q761_CHILE         ##          Q761_NEWZEALAND     ##
Q761_THAILAND          ##
## Q761_ARGENTINA      ##          Q761_CHINA         ##          Q761_97VER_BASE     ##
Q761_MALAYSIAN         ##
## Q761_ARGENTINA_C2   ##          Q761_CHINA_C2      ##          Q761_PERU           ##
##                      ##
## Q761_AUSTRAL        ##          Q761_DANISH        ##          Q761_PORTUGAL       ##
##                      ##
## Q761_AUSTRAL_C2     ##          ##
##                      ##
#####

```

Q761 Version 2 Protocol Family

Family

```

#####
#####
##          40          ##          41          ##          42          ##          ##
50          ##
#####
#####
## ISUPV2_AUSTRIAN     ##          ISUPV2_JAPAN        ##          ISUPV2_VIETNAM       ##          ##
ISUPV3                ##
## ISUPV2_CZECH        ##          ISUPV2_JAPAN_C2     ##          ##          ##
ISUPV3_UK             ##
## ISUPV2_DUTCH        ##          ISUPV2_NORWEGIAN    ##          ##          ##
ISUPV3_UK_C2          ##
## ISUPV2_FINNISH96    ##          ISUPV2_POLISH        ##          ##          ##
ISUPV3_UK_C3          ##
## ISUPV2_FRENCH        ##          ISUPV2_SPANISH       ##          ##          ##
ISUPV3_UK_C4          ##
## ISUPV2_GERMAN        ##          ISUPV2_SPANISH_C2   ##          ##          ##
##                      ##
## ISUPV2_ISRAEL        ##          ISUPV2_SWISS         ##          ##          ##
##                      ##
##                      ##          ISUPV2_SWISS_C2     ##          ##          ##
##                      ##
#####

```

Q761 Version 3 Protocol

```
#####
#####
```

```
Q721 Protocol Family          Q767 Protocol Family
#####
##          60          ##    ##          70          ##          71          ##
#####
## Q721_BASE          ##    ## Q767_AUSTRALIA  ## Q767_MEXICAN  ##
## Q721_BRAZILIAN    ##    ## Q767_BASE          ## Q767_NIGERIAN  ##
## Q721_CHINA        ##    ## Q767_BRAZIL        ## Q767_RUSS      ##
## Q721_FRENCH       ##    ## Q767_COLOMBIA     ## Q767_SINGAPORE ##
## Q721_PHILLIPINE  ##    ## Q767_GUATEMALA   ## Q767_SPAN     ##
##                   ##    ## Q767_INDONESIA     ## Q767_SWED     ##
##                   ##    ## Q767_ITAL          ## Q767_TURKISH  ##
##                   ##    ## Q767_ITAL_C2       ##              ##
#####
```

```
Q931 Protocol Family
#####
##          80          ##
#####
## Q931              ##
## Q931_AUSTRALIA   ##
## Q931_SINGAPORE  ##
#####
```

Would you like to add a protocol set to your system? [y] [y,n,?,q] **y**
Please insert a two digit package identifier and type <enter> If you choose to add
all protocols to your system, type "all":
all

```
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 GENERIC_ANALYSIS.mdo
Uncompressing GENERIC_ANALYSIS.so
Uncompressing IN_TRIGGER.mdo
Uncompressing IN_TRIGGER.so
Uncompressing LEG_CONTROLLER.mdo
Uncompressing LEG_CONTROLLER.so
Uncompressing cc.mdo
Uncompressing cc.so
Uncompressing dummy.mdo
Uncompressing dummy.so
Uncompressing lcm.mdo
Uncompressing lcm.so
```

Installation of <CSCO00002> 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

Installation of <CSCO01002> was successful.

Uncompressing IETF_SIP.mdo
Uncompressing IETF_SIP.so

Installation of <CSCO02002> 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 <CSCO10002> 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 <CSCO20002> 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 <CSCO30002> 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 <CSCO31002> was successful.

Uncompressing Q761_97VER_BASE.mdo
Uncompressing Q761_97VER_BASE.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 <CSCO32002> was successful.

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 <CSCO33002> 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 <CSCO40002> 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 <CSCO41002> was successful.

Uncompressing ISUPV2_VIETNAM.mdo
Uncompressing ISUPV2_VIETNAM.so

Installation of <CSCO42002> was successful.

Uncompressing ISUPV3.mdo
Uncompressing ISUPV3.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 <CSCO50002> was successful.

Uncompressing Q721_BASE.mdo
Uncompressing Q721_BASE.so
Uncompressing Q721_BRAZILIAN.mdo
Uncompressing Q721_BRAZILIAN.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 <CSCO60002> 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_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 <CSCO70002> 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_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 <CSCO71002> 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 <CSCO80002> was successful.

Beginning Check of System Performance Requirements

Swap is total: 43776k bytes allocated + 53424k reserved = 97200k used, 4470696k available

Please Verify that you have over 4000000K Available swap

Shutting down TimesTen Server: done.

Installation completed Mon Mar 8 14:12:37 GMT 2004

Installation log can be found in /var/adm/MGC_install.log

exit

exit

8. Open the PGW 2200 application, and log in as superuser.

```
mgcusr@mgc-bru-19% su
# cd /etc/init.d
# ./CiscoMGC start
```

Validating system and protocol package versions for consistency...please be patient.

```
Migrating .dat files in /opt/CiscoMGC/etc
Checking dialPlan dir: /opt/CiscoMGC/dialPlan/*.dialPlan
Backing up dialPlans
Checking dialPlan dir: /opt/CiscoMGC/dialPlan/*.bin
Backing up binary dialplans
Backing up .dat file
Backing up database
```

migrating XECfgParm.dat ...

```
migrate_XECfgParm: setting *.transpathId = 02
migrate_XECfgParm: setting *.ownTranspathId = 02
migrate_XECfgParm: setting *.peerTranspathId = 01
```

```
migrate_XECfgParm: setting *.MGC_CDR_NODE_ID = MGC-BRU-19
migrate_XECfgParm: setting foverd.conn1Type = socket
migrate_XECfgParm: setting foverd.conn2Type = socket
migrate_XECfgParm: setting *.IP_Addr1 = 10.48.84.181
migrate_XECfgParm: setting *.IP_Addr2 = 0.0.0.0
migrate_XECfgParm: setting *.IP_Addr3 = 0.0.0.0
migrate_XECfgParm: setting *.IP_Addr4 = 0.0.0.0
migrate_XECfgParm: setting *.Virtual_IP_Addr1 = 10.48.84.85
migrate_XECfgParm: setting *.Virtual_IP_Addr2 = 0.0.0.0
migrate_XECfgParm: setting *.geoSeparation = false
migrate_XECfgParm: setting *.sipFailover = false
migrate_XECfgParm: setting *.IP_NextHop1 = 0.0.0.0
migrate_XECfgParm: setting *.IP_NextHop2 = 0.0.0.0
migrate_XECfgParm: setting *.IP_NextHop3 = 0.0.0.0
migrate_XECfgParm: setting *.IP_NextHop4 = 0.0.0.0
migrate_XECfgParm: setting *.IP_NextHop5 = 0.0.0.0
migrate_XECfgParm: setting *.IP_NextHop6 = 0.0.0.0
migrate_XECfgParm: setting *.IP_NextHop7 = 0.0.0.0
migrate_XECfgParm: setting *.IP_NextHop8 = 0.0.0.0
migrate_XECfgParm: setting *.ipAddrLocalA = 10.48.84.181
migrate_XECfgParm: setting *.ipAddrLocalB = 0.0.0.0
migrate_XECfgParm: setting *.ipAddrPeerA = 10.48.84.146
migrate_XECfgParm: setting *.ipAddrPeerB = 0.0.0.0
migrate_XECfgParm: setting *.SysConnectDataAccess = false
migrate_XECfgParm: setting *.SysConnectDataAccess = false
migrate_XECfgParm: setting foverd.abswitchPort = /dev/null
migrate_XECfgParm: setting foverd.ipLocalPortA = 1052
migrate_XECfgParm: setting foverd.ipLocalPortB = 1053
migrate_XECfgParm: setting foverd.ipPeerPortA = 1051
migrate_XECfgParm: setting foverd.ipPeerPortB = 1054
migrate_XECfgParm: setting replicator.portDataChannelSend = 2968
migrate_XECfgParm: setting replicator.portDataChannelRecv = 2970
migrate_XECfgParm: setting replicator.portCommChannelSend = 2972
migrate_XECfgParm: setting replicator.portCommChannelRecv = 2974
migrate_XECfgParm: setting *.desiredPlatformState = slave
migrate_XECfgParm: setting *.stPort = 0
migrate_XECfgParm: setting pom.dataSync = false
migrate_XECfgParm: setting *.chkPtPort = 2001
migrate_XECfgParm: setting engine.SysPropagateChanAvail = false
migrate_XECfgParm: setting engine.SysGeneratedCode = true
migrate_XECfgParm: setting engine.SysGRSTimerInterval = 0
migrate_XECfgParm: setting engine.SysGRSBlockSize = 0
migrate_XECfgParm: setting engine.AuditTimerInterval = 1000
migrate_XECfgParm: setting engine.MaxAuditCics = 32
migrate_XECfgParm: setting engine.StartupAuditEnabled = false
migrate_XECfgParm: setting engine.CircuitReservation = false
migrate_XECfgParm: setting engine.RelINAPCallsAfterSwOver = true
migrate_XECfgParm: setting engine.SysVirtualSwitch = 1
migrate_XECfgParm: setting engine.SysMdlMemoryReduction = 0
migrate_XECfgParm: setting engine.CALL_MEM_BLOCK_SIZE = 145408
migrate_XECfgParm: setting engine.CALL_MEM_CHUNK_SIZE = 145408
migrate_XECfgParm: setting *.MaxNumTGAdvances = 1
migrate_XECfgParm: setting *.ClearingLocation = 0
migrate_XECfgParm: setting engine.MDLANumberScreening = 0
migrate_XECfgParm: setting *.DefaultLocation = 0
migrate_XECfgParm: setting *.detailedCallEventCapture = 1
migrate_XECfgParm: setting *.DataBaseAccessError = 0
migrate_XECfgParm: setting *.SelectTermCustGrpId = 0
migrate_XECfgParm: setting engine.SysGSMTimerInterval = 10000
migrate_XECfgParm: setting diskmonitor.Limit = 7
migrate_XECfgParm: setting diskmonitor.Threshold = 80
migrate_XECfgParm: setting diskmonitor.SoftLimit = false
migrate_XECfgParm: setting diskmonitor.CdrRmFinished = 0
migrate_XECfgParm: setting diskmonitor.CoreRmDays = 1
```

```
migrate_XECfgParm: setting diskmonitor.CfgRmDirs = 64
migrate_XECfgParm: setting *.logPrio = Error
migrate_XECfgParm: setting *.logDirectory = ../var/log
migrate_XECfgParm: setting *.logFileNamePrefix = platform
migrate_XECfgParm: setting engine.CDRencodingFormat = AnsicDB
migrate_XECfgParm: setting engine.CDRtimeStamp = S
migrate_XECfgParm: setting engine.CDRmessageTypes =
"1010,1020,1030,1040,1050,1060,1070"
migrate_XECfgParm: setting *.numberOfThreads = 0
migrate_XECfgParm: setting *.dataSourceName = howdydb
migrate_XECfgParm: setting *.maxNumLinks = 32
migrate_XECfgParm: setting *.maxLinksPerSessionSet = 4
migrate_XECfgParm: setting *.maxNumDChansPerIOCC = 504
migrate_XECfgParm: setting *.maxNumMGCPLinks = 1000
migrate_XECfgParm: setting *.maxNumRLMPorts = 8
migrate_XECfgParm: setting *.GWCclearChannelAlgorithm = G.clear; CCD
migrate_XECfgParm: setting *.CallCutoffTimer = 0
migrate_XECfgParm: setting *.CPUTimerInterval = 0
migrate_XECfgParm: setting *.subSysCompVer = 8.b
migrate_XECfgParm: setting *.dataCommitTime = 10
migrate_XECfgParm: setting ioChanMgr.sessionPauseTimer = 8
migrate_XECfgParm: setting ioChanMgr.resumeAckTimer = 1
migrate_XECfgParm: setting MML.timeout = 10000
migrate_XECfgParm: setting *.OverdecadicDigitsSupported = false
migrate_XECfgParm: setting MML.enhancedHelpCompletion = true
```

starting migration ...

migrating from version 9.4001 to version 9.5001 ...

```
migrating version.dat
migrating variant.dat
migrating alarmCats.dat
migrating compTypes.dat
migrating tables.dat
migrating buckets.dat
migrating alarmTable.dat
migrating thresholds.dat
migrating measProfs.dat
migrating measCats.dat
migrating mdlProcess.dat
migrating extProcess.dat
migrating extNodeTypes.dat
migrating profileTypes.dat
migrating mmlCommands.dat
migrating propSet.xml.dat
migrating propVal.xsd.dat
migrating trigger.dat
migrating priCharge.dat
migrating priTariff.dat
migrating meterTariff.dat
migrating properties.dat
migrating dial plan and route analysis files
Migrating routing files...
Migration routing file:routeAnalysis.dat:
Migrating dial plans...
Migration dialplan file:sSW3.dialPlan:
Migrating IP links...
Migrating C7IP links...
migrating TimesTen database
Migrating database from 9.4001 to 9.5001
Database successfully migrated to 9.5001
```

migration completed successfully
Application started

```
#exit
```

```
exit
```

```
mgcusr@mgc-bru-19% mml
```

Copyright © 1998-2002, Cisco Systems, Inc.

```
mgc-bru-19 mml> rtrv-ne
```

```
MGC-02 - Media Gateway Controller 2004-03-08 14:50:51.152 GMT
```

```
M RTRV
```

```
"Type:MGC"
```

```
"Hardware platform:sun4u sparc SUNW,Ultra-5_10"
```

```
"Vendor:"Cisco Systems, Inc.""
```

```
"Location:MGC-02 - Media Gateway Controller"
```

```
"Version:"9.5(1)""
```

```
"Platform State:ACTIVE"
```

```
;
```

```
mgc-bru-19 mml>
```

9. Verify the PGW 2200 upgrade.

- a. Log in as superuser.
- b. From the /opt/CiscoMGC/bin directory, issue the command **./chk_inv -v**.

This performs an inventory check of the new installation.

```
# ./chk_inv -v
```

```
MGC Version: 9.5(1)
```

```
Read Checksum information...
```

```
Verify checksums of the MGC programs...
```

```
Checksum verification complete...
```

```
Check Solaris patch information...
```

```
Platform ('SUNW,UltraAX-i2',)
```

```
Read Solaris patch information...There are 'x' patches in
```

```
/opt/sun_install/Patct
```

```
OK
```

```
Solaris patch verification complete...
```

```
*** INVENTORY CHECK PASSED ***
```

```
#
```

Note: If you have a warning and error message after you issue the **chk_inv** command after you have upgraded the Sun Solaris patches to the latest Cisco Solaris version, issue the **cat /etc/release** Unix command to see if you have the correct Sun Solaris software installed. If you have the incorrect Sun Solaris version on your PGW2200, the **chk_inv** command will not pass.

Example: The Unix command used to check the Unix version running on your PGW2200:


```
# cat /etc/release
```

```
Solaris 8 HW 2/02
```

```
Copyright 2002 Sun Microsystems, Inc. All Rights Reserved.
```

For information regarding Solaris 8 Software Release 2/04 (or Release 2/02 or 10/01), refer to [Preparing for Sun Solaris Operating System and Cisco MGC Software Installation](#). These are the only Sun Solaris versions supported on the Cisco PGW2200.

10. Repeat Steps 1 through 9 for the other PGW 2200 that runs as active and now propagates to standby mode.

 **Caution:** After you complete the upgrade on both systems, you need to change the pom.dataSync entry in the XECfgParm.dat file. You find the file in the /opt/CiscoMGC/etc directory. Issue the UNIX editor command **vi** to change the entry to pom.dataSync = true. Then, restart the PGW 2200 application with the command **./CiscoMGC start** to allow the change to take effect.

Verify TimesTen Replication on Host A and Host B

Complete these steps to verify the TimesTen replication on host A and host B.

1. Issue the UNIX command **ps -ef | grep timestenrepd** on both PGW 2200 systems to verify that replication currently runs.
2. Issue the TransPath Man-Machine Language (MML) command **rtrv-ne** to check the status of both PGW 2200 systems.

One system should be in the active status, and the other system in standby status.

3. On both PGW 2200 systems, issue the command **replication_status.sh** to check that the replication currently runs.

The last message should be less than 10 seconds, and the log number is 1.

4. Optionally, you can issue the **db_count.sh** command again and compare the information with that shown in Step 2 of the section [PGW 2200 Upgrade Procedure](#). The comparison allows you to verify that the upgrade did not result in the loss of any items.

If the database count is not the same as that shown in Step 2 of [PGW 2200 Upgrade Procedure](#), issue the MML command **sw-over::confirm** to switch over to standby status.

- Issue these maintenance MML commands for verification.

- **mml> rtrv-softw:all**

- **mml> rtrv-ne-health**

- **mml> rtrv-iplnk:all**

- **mml> rtrv-c7lnk:all**

- **mml> rtrv-dest:all**

- **mml> rtrv-alm**s

- Issue these UNIX commands for verification.

- **% df -k** Issue this command to be sure that there is enough disk space.


- **# swap -s** Issue this command to be sure that the system has enough memory.

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