



Cisco MGC Node Component Startup and Shutdown Procedures

This chapter describes the steps necessary to startup and shutdown the individual components of the Cisco Media Gateway Controller (MGC) node.

The startup procedures for each component of the Cisco MGC node are included in the following sections:

- [Cisco Media Gateway Controller Startup Procedures, page 2-1](#)
- [Cisco Signaling Link Terminal Startup Procedure, page 2-3](#)
- [Cisco Catalyst 5500 Multiswitch Router Startup Procedure, page 2-3](#)

You might need to perform these tasks if you:

- Have made changes to the system configuration
- Are upgrading the software
- Are testing the system
- Are troubleshooting alarms
- Are trying to resolve a problem



Note

In these procedures, it is assumed that the component has been correctly installed, configured, and provisioned in accordance with the instructions provided in the relevant documentation.

Shutdown procedures for each component of the Cisco MGC node are included in the following sections:

- [Cisco Media Gateway Controller Shutdown Procedure, page 2-4](#)
- [Cisco Signaling Link Terminal Shutdown Procedure, page 2-5](#)
- [Cisco Catalyst 5500 Multiswitch Router Shutdown Procedure, page 2-5](#)

Cisco Media Gateway Controller Startup Procedures

This section contains the hardware and software startup procedures for the Cisco MGC.

Starting the Cisco MGC Hardware

The system switch of the Cisco MGC is a rocker, momentary contact switch that functions as a standby device only, controlling the logic circuits that enable power module output.

To power on the system, complete the following steps:

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- Step 1** Turn on the power to all connected peripherals.



Note Peripheral power is activated prior to system power so that the system can recognize the peripherals when it is activated.

- Step 2** Apply power to the system inlet.

- Step 3** Press the front panel ON/STBY system switch to the ON position and hold it until the system starts to power up.
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Starting the Cisco MGC Software

Under normal conditions, simply powering up the system automatically launches the Cisco MGC software and the Simple Network Management Protocol (SNMP) daemon using system defaults. See the “Configuring SNMP” section in the *Cisco Media Gateway Controller Software Release 7 Installation and Configuration Guide* for more information about SNMP.



Note

In this section, it is assumed that the Cisco MGC software Release 7 has been correctly installed, configured, and provisioned on the host server and that you have the appropriate packages, or applications, for your system. If the Cisco MGC Release 7 software has been installed, configured, or provisioned incorrectly, or if you are having other problems, see [Chapter 8, “Troubleshooting the Cisco MGC Node,”](#) for more information.



Note

To perform the procedures in this section, you must have a user ID that is part of the Cisco MGC group (mgcgrp) and you must have the proper group privileges. To verify that your user ID is part of the Cisco MGC group and that you have the necessary privileges, refer to the “Configuring Groups and Users” section in the *Cisco Media Gateway Controller Software Release 7 Installation and Configuration Guide* for more information.

Starting up the Cisco MGC software manually



Caution

Do not use the following commands unless specifically instructed to do so by Cisco Technical Assistance Center (TAC) personnel.

To manually start the Cisco MGC software, log in to the active Cisco MGC as root and enter the following command:

```
/etc/init.d/CiscoMGC start
```

This action restores execution permission and enables the automated startup script.

Cisco Signaling Link Terminal Startup Procedure

**Note**

This section contains the recommended startup procedure for the Cisco Signaling Link Terminal (SLT).

In this section, it is assumed that the Cisco SLT has been correctly installed and configured and that the correct software version is installed. If you are experiencing problems, see [Appendix B](#), “[Troubleshooting Cisco SLT Signaling](#),” for detailed information.

To start up a Cisco SLT, perform the following steps:

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- Step 1** Before you start the Cisco SLT, verify the following:
- All modules are installed correctly, and all interface cable connections are secure.
 - The power cable is connected to both the rear panel power connector and the power source.
 - A terminal is connected to the console port and is turned on.
- Step 2** Turn the power on (|). During the boot process, observe the following:
- The power LED on the front panel should be green.
 - You should hear the system fans operating.
 - The console terminal displays a script and system banner.
- Step 3** Press Return at the Enter Password prompt to access the console command line.
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Cisco Catalyst 5500 Multiswitch Router Startup Procedure

**Note**

This section contains the recommended startup procedure for the Cisco Catalyst 5500 LAN switches.

In this section, it is assumed that the Cisco Catalyst 5500 LAN switch has been correctly installed and configured and that the correct software version is installed. If you are experiencing problems, see [Appendix C](#), “[Troubleshooting Cisco Catalyst 5500 Multiswitch Routers Signaling](#),” for detailed information.

To start the Cisco Catalyst 5500 LAN switch, complete the following steps:

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- Step 1** Before you start the Cisco Catalyst 5500 LAN switch, verify the following:
- All modules are installed correctly, and all interface cable connections are secure.
 - Each power supply is installed correctly and is connected to a grounded power source.
 - If two power supplies are present, each power cord is connected to a different line.
 - A terminal is connected to the supervisor module console port and is turned on.
- Step 2** Turn the power supplies on (|). During the boot process, observe the following:

- The LEDs on the power supplies should be green.
- The PS1, PS2, and fan LEDs on the supervisor engine should be green, and you should hear the system fans operating.
- The System Status LED on the supervisor engine should be green after the boot is complete. It flashes red, orange, and green during startup.
- The supervisor engine interface LEDs and module LEDs (such as the Link LEDs) might blink or stay lit continuously during the boot process. Many module LEDs do not go on until you configure the interfaces. Wait until the boot is complete before trying to verify the module LED indications.
- The console terminal displays a script and system banner.
- The supervisor engine begins to initialize the modules once the boot process is completed. Messages appear on the console as the modules come online.

Step 3 Press Return at the Enter Password prompt to access the console command line.

Cisco Media Gateway Controller Shutdown Procedure

This section contains the software and hardware shutdown procedures for the Cisco MGC.

Shutting Down the Cisco MGC Software Manually



Caution

Do not use the following commands unless specifically instructed to do so by Cisco Technical Assistance Center (TAC) personnel.

To manually stop the Cisco MGC software, log into your active Cisco MGC as root and enter the following command:

```
/etc/init.d/CiscoMGC stop
```

This action disables the automated startup script.

Shutting Down the Cisco MGC Hardware

To shut down the Cisco MGC, you remove power from the system. The power switch of the Cisco MGC is a rocker, a momentary contact switch that functions as a standby device only, controlling logic circuits that enable power module output.



Caution

Before you turn off the power, exit from the operating system. Failure to do so might result in data loss.

To shut down the Cisco MGC, complete the following steps:

Step 1 Where necessary, notify users that the Cisco MGC is going down.

Step 2 Back up system files and data prior to shutdown. Refer to the [“Backing Up System Software”](#) section on page 3-28.

- Step 3** Exit from the operating system. Refer to your Sun documentation for the appropriate commands to be used to exit from the operating system.



Note Ensure that you use the UNIX command **init 5** as part of exiting from the operating system. This command is described in the Sun documentation.

- Step 4** Momentarily set the front panel power switch to the STBY position until the system powers down.

- Step 5** Verify that the POWER LED is off.

- Step 6** Remove the input power connector from the power inlet.



Caution Regardless of the position of the ON/STBY switch, where an AC or DC power cord remains connected to the system, voltage may be present within the power supply.

Cisco Signaling Link Terminal Shutdown Procedure

To shut down the Cisco SLTs, simply set the power switches to the OFF (0) position.

When the power switches are in the OFF (0) position, the power LEDs on the front panels should be off and the fans should not be operating.

Cisco Catalyst 5500 Multiswitch Router Shutdown Procedure

To shut down the Cisco Catalyst 5500 MSR, simply set the power switches to the OFF (0) position.

When the power switches are in the OFF (0) position, the LEDs on the power supplies should be off and the fan assembly should not be operating.

