



Fan Tray Replacement Procedure for the Cisco MeetingPlace 8106

This procedure describes how to replace the fan tray in the Cisco MeetingPlace 8106 and contains the following topics:

- [Additional References, page 1](#)
- [Before Replacing the Fan Tray, page 2](#)
- [How To Replace the Fan Tray, page 6](#)

Additional References

Follow these general guidelines:

- If you want information about installing the Cisco MeetingPlace 8100 series hardware for the first time or information about upgrading the Cisco MeetingPlace 8100 series software, see the *Installation and Upgrade Guide* for Cisco MeetingPlace Audio Server Release 5.3 at the following URL:
<http://www.cisco.com/univercd/cc/td/doc/product/conf/mtgplace/audio/53/53inst/index.htm>.
- If you want information about configuring the Cisco MeetingPlace 8100 series, see the *Configuration Guide* for Cisco MeetingPlace Audio Server Release 5.3 at the following URL:
<http://www.cisco.com/univercd/cc/td/doc/product/conf/mtgplace/audio/53/53config/index.htm>.
- For complete information about all of the Cisco conferencing documentation, including *Regulatory Compliance and Safety Information for the Cisco MeetingPlace Series 8100*, see the *Guide to Cisco Conferencing Documentation and Support* at the following URL:
<http://www.cisco.com/univercd/cc/td/doc/product/conf/mtgplace/roadmap.htm>.



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Before Replacing the Fan Tray

This section contains the following topics:

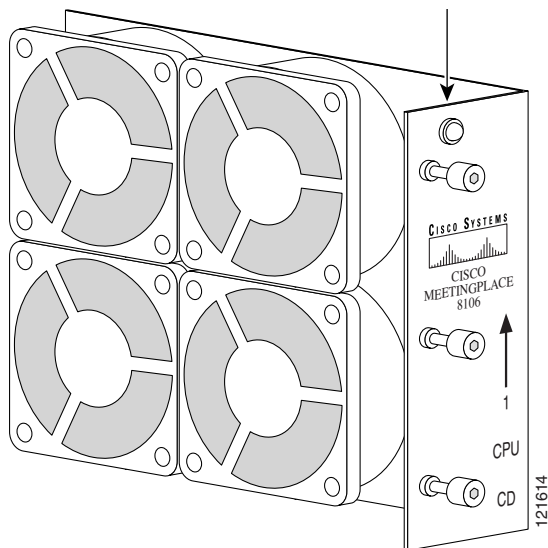
- [Checking the New Fan Tray for Damage, page 2](#)
- [Verifying No User Activity, page 2](#)
- [Ensuring that the Cisco MeetingPlace System Works Correctly Before the Replacement, page 4](#)
- [Backing up the Database, page 6](#)
- [Powering Down the Cisco MeetingPlace 8106, page 6](#)

Checking the New Fan Tray for Damage

Visually inspect your new Cisco MeetingPlace 8106 fan tray for damage. Contact Cisco TAC if the Cisco MeetingPlace 8106 fan tray that you received was damaged during shipping or if parts are missing.

Figure 1 shows the Cisco MeetingPlace 8106 fan tray.

Figure 1 Cisco MeetingPlace 8106 Fan Tray



Verifying No User Activity

Before you power down your Cisco MeetingPlace 8106, verify that no user ports are active. You should have already scheduled downtime for your Cisco MeetingPlace 8106 by using the Reserve All Ports (RAP) meeting feature in Cisco MeetingTime. See the *Administrator's Guide for Cisco MeetingPlace Audio Server Release 5.3* for more information about RAP meetings.

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- Step 1** Access the command line interface (CLI) of the Cisco MeetingPlace 8106 as follows:
- Connect one end of the null modem cable to the COM1 port on the front of the Cisco MeetingPlace 8106.
 - Connect the other end of the null modem cable to a COM port on your computer.

- c. Start the terminal emulator program.
- d. Set the port parameters in the terminal emulator program as shown in [Table 1](#). The CLI appears.

Table 1 Terminal Emulator Port Parameters

Parameter	Value
Baud	19200
Data length	8 bit
Parity	None
Stop bits	1



Note CLI commands are case sensitive. For CLI command information, see the *Configuration Guide* for Cisco MeetingPlace Audio Server Release 5.3.

- Step 2** Keep a record of activity during the fan tray replacement by capturing the text in the terminal emulator program. This information can be used by Cisco TAC to diagnose problems that may occur during this replacement. Follow these steps:
- a. Go to the **Transfer** menu in the HyperTerminal window.
 - b. Select **Capture Text**.
 - c. Save the file. Note the location so that you can retrieve the file later.
 - d. Click **Start**.
- Step 3** At the CLI prompt, log in as an administrator. The tech\$ prompt appears.



Note For Cisco MeetingPlace Release 5.2, the default administrator username is tech and the default administrator password is wit!tra\$. For Cisco MeetingPlace Release 5.3, the default administrator username is admin and the default administrator password is cisco. See the *Installation and Upgrade Guide* for Cisco MeetingPlace Audio Server Release 5.3 for more information about logging in to Cisco MeetingPlace.

- Step 4** At the tech\$ prompt, enter **activity**. The VUI Internal Status Utility menu appears.
- Step 5** To see a quick status of all ports, enter **1**. A list of the ports appears. The ports are listed numerically under the Port heading and the port status is under the Ap heading. [Table 2](#) lists the most common Ap headings.

Table 2 Ap Headings and Definitions

Heading	Definition
--	The port is inactive.
CO	The port is participating in an active conference.
PR	The port is currently accessing a meeting profile.

- Step 6** Verify that all the ports are inactive by ensuring that all ports have -- under the Ap heading. Press **Enter** to go to the next page. When you have scrolled through all the ports, the VUI Internal Status Utility menu appears.



Note If any ports are active, wait for the calls to finish before proceeding.

Step 7 Exit the **activity** command by entering **0**. The **tech\$** prompt appears.

Ensuring that the Cisco MeetingPlace System Works Correctly Before the Replacement

Ensure that your Cisco MeetingPlace system works correctly before replacing the fan tray. This helps with troubleshooting if your Cisco MeetingPlace system does not work correctly after the replacement. If your Cisco MeetingPlace system is not working correctly, contact Cisco TAC.

After replacing the fan tray, run these commands again to make sure your Cisco MeetingPlace system has come back online correctly.

Step 1 Access the CLI.

Step 2 Log in as an administrator. The **tech\$** prompt appears.

Step 3 Enter **swstatus**. Output similar to the following appears:

```
mtgplace:tech$ swstatus
Conference server 5.3.0 S/N: C00178
System status: Operating
System mode: Up
Temperature: Unknown
Power supply: OK
MODULE NAME STATUS VERSION
SIM UP "10/21/04 12:23 MPBUILD-R5_3_0_24"
LSH UP "10/21/04 12:05 MPBUILD-R5_3_0_24"
SNMPD UP "10/21/04 12:34 MPBUILD-R5_3_0_24"
DBQSERVER UP "10/21/04 12:08 MPBUILD-R5_3_0_24"
DBSERVER UP "10/21/04 12:08 MPBUILD-R5_3_0_24"
POSERVER UP "10/21/04 12:16 MPBUILD-R5_3_0_24"
CPSERVER UP "10/21/04 12:15 MPBUILD-R5_3_0_24"
CONFSCHEM UP "10/21/04 12:20 MPBUILD-R5_3_0_24"
WSSERVER UP "10/21/04 12:24 MPBUILD-R5_3_0_24"
VOICESERVER UP "10/21/04 12:30 MPBUILD-R5_3_0_24"
GWSIMMGR UP "10/21/04 12:38 MPBUILD-R5_3_0_24"
```

Step 4 Enter **gwstatus**. Output similar to the following appears:

```
mtgplace:tech$ gwstatus
Gateway SIM Status/Thu Dec 2 12:35:26 2004
-----
Remote Units:
Unit 16 MTGPLACE_WEBNOT v5.2.0.34 Ok 12/02/04 12:35:01

Gateways:
Unit 16 WebPub:DataSvc v4.3.0.246 Ok 12/02/04 12:34:02
Unit 16 WebPub:MPAgent v4.3.0.246 Ok 12/02/04 12:34:02
Unit 16 WebPub:Audio v4.3.0.246 Ok 12/02/04 12:34:02
Unit 16 MPConvert v4.3.0.246 Ok 12/02/04 12:34:02
Unit 16 WebPub:Master v4.3.0.246 Ok 12/02/04 12:34:02
Unit 16 DataConf:GW v4.3.0.246 Ok 12/02/04 12:34:02
Unit 16 DataConf:GCC v4.3.0.246 Ok 12/02/04 12:34:02
Unit 16 DataConf:MCS v4.3.0.246 Ok 12/02/04 12:34:02
```

Step 5 Enter **alarm**. Output similar to the following appears:

```
mtgplace:tech$ alarm
REFNO  SEV  CODE  COUNT  FIRST          LAST          UNIT
-----
77350  MIN  0300e6  2      Jan 28 09:57   Feb 10 19:25  0 SW MODULE=8
Too many attempts to log into profile (100) 33373635383330000. Profile Locked!
```

Step 6 Enter **hwconfig**. Output similar to the following appears:

```
mtgplace:tech$ hwconfig
Cabinet: ELMA 4U
Bus architecture: CompactPCI
Processor card: SMM5370LATUDE S/N=7163050
Processor: Pentium III, Model 8, 700 MHz
Memory: 512MB
Temperature: 26C
Voltages: 3.32V, 5.02V, 11.94V
Power Supplies: OK
Fans: OK
SCSI Adapter: NCR 810
          DISK 1: 36000MB (SEAGATE ST336607LC REV=0007)
          DISK 2: 36000MB (SEAGATE ST336607LC REV=0007)
Ethernet: Intel 8225x PCI 10/100 (0001af125f0c)
Modem: Present (MultiTech MT5634Z)
MultiAccess Blades:
          Slot 6: AC TP1610-4 S/N=340240 REV=0 AC0
Smart Blades:
          Slot 1: NMS CG6000C S/N=104415759 REV=5894-B7 MSC0 PRC0
```

Step 7 Enter **spanstat -all**. Output similar to the following appears:

```
mtgplace:tech$ spanstat -all
Span 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
---- TR TR TR TR TR TR TR TR TR TR TR TR TR TR TR TR TR TR TR TR TR TR TR TR
0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
1 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
2 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
3 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
4 Span 4 (Card 1 Line A) is down (LOST)
5 Span 5 (Card 1 Line B) is down (LOST)
6 Span 6 (Card 1 Line C) is down (LOST)
7 Span 7 (Card 1 Line D) is down (LOST)
8 Span 8 (Card 2 Line A) is down (LOST)
9 Span 9 (Card 2 Line B) is down (LOST)
10 Span 10 (Card 2 Line C) is down (LOST)
11 Span 11 (Card 2 Line D) is down (LOST)
12 Span 12 (Card 3 Line A) is down (LOST)
13 Span 13 (Card 3 Line B) is down (LOST)
14 is not active
15 is not active
16 is not active
17 is not active
18 is not active
19 is not active
Press n/+ for next page/line, 'q'=quit, 'h'=help
```

Backing up the Database

Back up the Cisco MeetingPlace 8106 database before you replace the fan tray. (You can use the backup to restore your data if there is a problem after the installation.) We recommend that you back up your database immediately before replacing the fan tray.

**Note**

Use the Cisco MeetingPlace Backup Gateway to back up your database. For information on how to install, configure, and use the Cisco MeetingPlace Backup Gateway, see the *Administrator's Guide* for Cisco MeetingPlace Backup Gateway Release 5.3.

Powering Down the Cisco MeetingPlace 8106

**Note**

As a courtesy, notify current users that you are powering down the Cisco MeetingPlace 8106.

- Step 1** Access the CLI.
- Step 2** Log in as an administrator. The tech\$ prompt appears.
- Step 3** To stop new Cisco MeetingPlace activity, enter **down**. A verification prompt appears.
- Step 4** At the prompt, enter **y**. The power down cycle begins.
- Step 5** Wait about 2 minutes for the power down cycle to complete.
- Step 6** At the tech\$ prompt, enter **halt**. A verification prompt appears.
- Step 7** At the prompt, enter **y**.
- Step 8** Locate the power switch on the back of the Cisco MeetingPlace 8106 and turn it to the off position (“O”).
- Step 9** Remove the power cable from the back of the Cisco MeetingPlace 8106.

How To Replace the Fan Tray

Replacing the fan tray for the Cisco MeetingPlace 8106 consists of the following activities:

- [Removing the Old Fan Tray, page 6](#)
- [Installing the New Fan Tray, page 7](#)
- [Powering Up the Cisco MeetingPlace 8106, page 7](#)

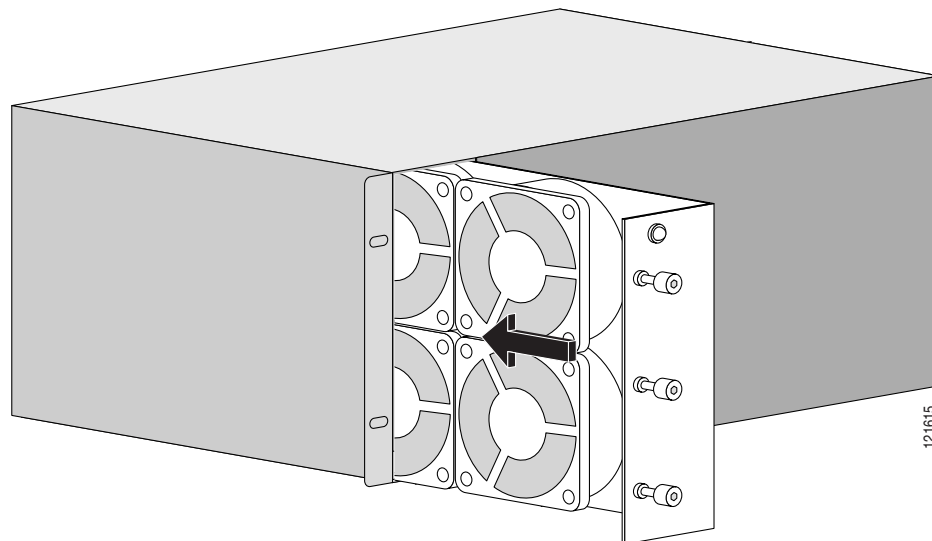
Removing the Old Fan Tray

- Step 1** Manually loosen the three screws that secure the fan tray to the chassis. The screws are located on the left side of the Cisco MeetingPlace 8106 chassis. No screwdriver is needed.
- Step 2** Slide the fan tray out of the chassis.

Installing the New Fan Tray

- Step 1** Remove the new fan tray from the antistatic bag.
- Step 2** Slide the fan tray into the empty slot on the front left of the Cisco MeetingPlace 8106 chassis. See [Figure 2](#). Apply firm pressure when you slide the fan tray into the chassis to ensure that the power connectors fit properly. These power connectors have a flexible design to ensure that they are not misaligned during the fan tray installation.

Figure 2 Inserting the Fan Tray into the Cisco MeetingPlace 8106



- Step 3** Manually tighten the screws that secure the fan tray to the Cisco MeetingPlace 8106 chassis. No screwdriver is needed.

Powering Up the Cisco MeetingPlace 8106

- Step 1** Plug the power cable into the back of the Cisco MeetingPlace 8106.
- Step 2** Locate the power switch on the back of the Cisco MeetingPlace 8106 and turn it to the on position (“I”).
- Step 3** Start the terminal emulator program on your computer. See the [“Verifying No User Activity”](#) section on [page 2](#) for information about how to start the terminal emulator program.
- Step 4** Access the CLI.
- Step 5** Log in as an administrator. The tech\$ prompt appears.
- Step 6** To ensure that the new fan is working properly, enter **hwconfig**. Output similar to the following example appears:

```
meetingplace:tech$ hwconfig
Cabinet:                ELMA 4U
Bus architecture:       CompactPCI
Processor card:         SMM5370LATUDE S/N=6055691
  Processor:             Pentium III, Model 8, 700 MHz
  Memory:                512 MB
```

```

Temperature:      22C
Voltages:        3.34V, 5.02V, 12.00V
Power Supplies:  OK
Fans:            OK
SCSI Adapter:    NCR 810
  DISK 1:        36000MB (SEAGATE ST336607LC      REV=0005)
  DISK 2:        36000MB (SEAGATE ST336607LC      REV=0005)
Ethernet:        Intel 8225x PCI 10/100 (0001af0bc2cd)
Modem:           Absent or unrecognized
Multi Access Blades:
  Slot 1:        AC TP1610-4 S/N=274404  REV=0 AC0
Smart Blades:
  Slot 2:        NMS CG6000C S/N=103237639 REV=5894-B4 MSC0 PRC0
    
```

Verifying that the Fan Tray Works Correctly

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- Step 1** Verify that the fans are active by listening for at least some minimal fan noise.
 - Step 2** Verify that the fans in the fan tray are moving air by doing both of the following:
 - a.** Place a small piece of paper on the left side of the Cisco MeetingPlace system (as you face the front of it). Ensure that the paper moves toward the fan vent.
 - b.** Place a small piece of paper on the right side of the Cisco MeetingPlace system (as you face the front of it). Ensure that the paper moves away from the fan vent.
 - Step 3** Verify that the fans are not too loud and do not make any noises that might indicate bad bearings. If you hear anything louder than a hum, this might indicate that one or more of the fans in the fan tray are bad. If you experience this, contact Cisco TAC.
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Verifying that You are Connected

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- Step 1** Ensure that all the gateways work. See the Administrator Guides for the specific gateways for information on determining that they are working correctly.
 - Step 2** Ensure that you can call into the Cisco MeetingPlace system and attend a meeting. If you cannot call into the Cisco MeetingPlace system and attend a meeting, try reseating the fan tray. If that does not work, contact Cisco TAC.
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