



Installation/Upgrade Procedure

Cisco MeetingServer 5.1

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Installation/Upgrade Procedure, Cisco MeetingServer 5.1
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1 Overview

These are the installation/upgrade and PCI to M3 conversion instructions for MeetingServer Release 5.1.

Please reference the *Cisco MeetingServer 5.1 Release Note* (part number 78-16459-01) for information on compatibility, bug fixes, known issues, and new features. For questions and assistance about installing and upgrading Cisco MeetingServer software, please contact Cisco TAC at the numbers below, or visit the TAC website (<http://www.cisco.com/tac>).

(US) Technical Support	1 800 553 2447
	+1 408 526 7209
UK Technical Support	0800 960 547
Asia-Pacific Technical Support	+61 2 8446 7411

2 Naming conventions used in this document

Throughout the remainder of this document, we refer to Cisco MeetingServer as “MeetingServer” or “MeetingPlace.”

3 Server Hardware Requirements

Note: Release 5.1 does not support Analog trunks, nor does it support any EISA or PCI hardware platforms or optional cards from those systems.

- MeetingServer 5.1 can only be installed on M3 servers.

3.1 MeetingTime Client Software Requirements

- MeetingTime 5.1 client software is required for *System Managers* to access and manage the MeetingPlace 5.1 system.
- *End users* can continue to use the following older versions of MeetingTime to access MeetingPlace functions.
 - Release 5.0.x Windows

3.2 Network Requirements

To connect to other applications, such as MeetingTime and MeetingPlace Web, MeetingPlace requires certain TCP/UDP ports to remain open on your network. Please refer to Chapter 3, *Telephony and LAN Planning*, in the MeetingServer 5.1 Installation Planning Guide for further information on network requirements.

4 Tools Required

The standard Technician Tool Kit is required. At a minimum a technician should be equipped with the following tools:

Remote Upgrade

- Desktop or laptop with a modem

On-site Upgrade

- Laptop with HyperTerminal installed
- DB9 female to DB9 female null-modem cable

5 Server Software

5.1 Server Software Requirements

The MeetingServer 5.1 Upgrade Kit (9900-9320-01) provides the required server software.

5.2 MeetingServer 5.1 Upgrade Kit

The MeetingServer 5.1 Upgrade Kit (9900-9320-01) contains the following:

Part Number	Revision	Description
0050-0045-01	B3	MeetingServer 5.1 Software Release Note
0520-0030-01	B1	Installation Procedure, MeetingServer 5.1 (this procedure)
4311-0004-01	B1	MeetingServer 5.1 Upgrade Tape

6 MeetingTime Client

6.1 MeetingTime Client Requirements

6.1.1 MeetingTime 5.1 Client Software

System Managers must install MeetingTime 5.1 client software to access and manage the MeetingServer 5.1 system

6.2 MeetingTime for Windows Kit

The MeetingTime for Windows 5.1 media kit (9900-7811-01) contains the following:

Part Number	Revision	Description
9900-7811-01	B0	MeetingTime 5.1 for Windows CD

7 Pre-Upgrade Checklist

✓	Part Number	Description
		Schedule downtime with customer
		Schedule meetings to reserve ALL available conference ports for the duration of the planned downtime. This prevents users from scheduling meetings during the time you plan to upgrade the system. <i>For systems that already run 5.1 as beta, RAP meeting can be scheduled to reserve all available ports. Please refer to Chapter 2 of MeetingServer System Manager Guide.</i>
		Tool Kit
	9900-7438-01	Customer Engineer Guide
	0520-0030-01	MeetingServer 5.1 Upgrade Procedure (included in Upgrade Kit)
	9900-9320-01	MeetingServer 5.1 Upgrade Kit
	9900-7811-01	MeetingTime 5.1 for Windows Media Kit

7.1 Verify Gateway Versions

Each version of MeetingPlace server software only works with specific versions of Latitude gateways; therefore, it is important to verify gateway versions after any server upgrade, and if necessary, upgrade the gateways to the appropriate versions. Contact Latitude Customer Support to obtain the correct upgrade software and procedures.

MeetingServer 5.1 is compatible with currently shipping gateways as indicated in the following compatibility matrix. The compatible versions listed indicate the minimum versions supported.

Gateway	Compatible Versions
MeetingPlace for Outlook	4.2.5.x and 4.2.7.x
MeetingPlace Web	4.2.7.x and 4.3.0.x
MeetingPlace Email Gateway	4.2.1.x
MeetingPlace for Notes	4.2.7.x
MeetingPlace for IP Gateway	4.2.7.x
MeetingPlace Directory services	4.2.7.x

Note: MeetingPlace Fax Gateway, MeetingPlace Mobile, and MeetingPlace Exchange Gateway are not supported in MeetingServer 5.1 and later.

7.2 Estimate Upgrade Time

Upgrade Time = $U \times 0.046 + C \times 0.15 + 1000$ seconds

Where

U is number of users

C is number conferences.

U and **C** can be obtained from running **dbsize** from command line.

8 Remote Upgrade Procedure

1. Have the tape pre-inserted into the tape drive
2. Set up a modem and dial in the MeetingPlace server. Please refer to CE Guide on how to set up modem connection.
3. Log in to MeetingPlace as technician (i.e., tech\$ prompt) through a telnet session (telnet to 198.207.208.241)
4. Enter the **down** command to down the MeetingPlace server software.
5. Note the current time.
6. We strongly recommend that you capture the upgrade session to a log file. Most telnet programs have logging features that you can turn on. Save the session capture to your desktop as "upgrade.txt". In the event that something unexpected occurs with the update, this log will be required by Latitude support.
7. Enter the **update** command to begin copying upgrade files from the tape to the system hard drive.
8. When it prompts you to select Tape or Diskette, select "t" for Tape.
9. The system will again remind you to wait for the blinking light to stop. Press "enter" when you are ready to install.
10. The tape is being read at this time. This will take approximately 3 minutes
11. When it prompts you to continue or abort (the upgrade), press enter.
12. If the system gives you the following message, restart the server using **restart disable**. After the system comes back up, log in as technician and resume step 5:

```
A disk backup appears to be active...
You may restart the system to stop it.
```
13. At this time, Upgrade Phase 1 is started.
14. After phase 1 is completed, the server will restart and continue to phase 2 of the upgrade. At this point, modem connection will be terminated.
15. Please allow approximately 5 minutes for the server to come up before a modem connection can be re-established.
16. Once the modem is connected to the server, status of the upgrade can be viewed by running **update status** in the telnet session. A sample of "update status" command is provided in section 7.2.
17. A real time status can also be displayed by running **update trace** in the telnet window. Please refer to section 7.3 for a sample of real time upgrade status.
18. After phase 2 is finished, the server will restart automatically.
19. Please wait about 5 minutes for the server to come up. Log in the server through a telnet session (could be via network or modem connection).
20. Enter the **restart enable** command to restart the MeetingPlace system if it does not come up by itself.
21. Note the time when the upgrade completes and the MeetingPlace system restarts and is back online. If you had captured the upgrade process to a log file, close the log file and record its location for future retrieval.
22. Please refer to section 8 for Post Upgrade Testing
23. After the upgrade testing is done, if the result is satisfactory and the system is operating correctly, run **save** command.

8.1 Remote Installation/Upgrade (Sample Session without Disk Backup Active)

```
alesmith:tech$ update
Tape or diskette ([t]/d)?
Please insert the update tape in the drive.
```

```
Please wait until the LED on the tape drive stops blinking before continuing.
This may take a few minutes.
Press <ENTER> to continue or <CONTROL-C> to abort.
```

```
Updating...
Reading the tape:
```

```
-----
- MeetingPlace software release 5.1.0
- Archive created: Tue Jan 21 13:45:06 PST 2003
- Archive media: tape
-----
```

```
Press <ENTER> to continue or <CONTROL-C> to abort.
```

```
Thu Feb 6 19:47:17 PST 2003 Starting ./UPDATE.phasel
Thu Feb 6 19:47:17 PST 2003 Verifying the tape image checksum
Thu Feb 6 19:47:24 PST 2003 Killing cron
Thu Feb 6 19:47:25 PST 2003 Copying root file system from partition 1a to 2a
Thu Feb 6 19:48:12 PST 2003 Starting extraction of files from archive:
Thu Feb 6 19:49:38 PST 2003 Archive extraction is done.
Thu Feb 6 19:49:38 PST 2003 Updating password file
Thu Feb 6 19:49:38 PST 2003 Resetting system file ownerships:
Thu Feb 6 19:49:38 PST 2003 Removing set-uid permissions:
Thu Feb 6 19:49:39 PST 2003 Updating files and setting permissions:
Thu Feb 6 19:49:42 PST 2003 Replacing ./bin/kermit with ./lat/etc/kermit
Thu Feb 6 19:49:43 PST 2003 Replacing ./bin/less with ./lat/etc/less
Thu Feb 6 19:49:43 PST 2003 Replacing ./bin/login with ./lat/etc/bin.login
Thu Feb 6 19:49:43 PST 2003 Replacing ./bin/ping with ./lat/etc/ping
Thu Feb 6 19:49:43 PST 2003 Replacing ./bin/rc with ./lat/etc/bin.rc
Thu Feb 6 19:49:43 PST 2003 Replacing ./bin/rsh with ./lat/etc/rsh
Thu Feb 6 19:49:43 PST 2003 Replacing ./bin/slattach with
./lat/etc/slattach
Thu Feb 6 19:49:43 PST 2003 Replacing ./bin/stty with ./lat/etc/stty
Thu Feb 6 19:49:44 PST 2003 Replacing ./etc/inetd.conf with
./lat/etc/etc/inetd.conf
Thu Feb 6 19:49:44 PST 2003 Replacing ./etc/motd with ./lat/etc/etc.motd
Thu Feb 6 19:49:44 PST 2003 Replacing ./etc/passwd with
./lat/etc/etc.passwd
Thu Feb 6 19:49:44 PST 2003 Replacing ./lat/bin/dp with ./lat/etc/rsh
Thu Feb 6 19:49:44 PST 2003 Replacing ./lat/bin/updatefile with
./lat/etc/runscr
Thu Feb 6 19:49:44 PST 2003 Replacing ./lat/etc/setup_CSdb with
./lat/etc/runscr
Thu Feb 6 19:49:44 PST 2003 Replacing ./lat/bin/clearshmem with
./lat/etc/runscr
Thu Feb 6 19:49:44 PST 2003 Replacing ./lat/techbin/diskcopy with
./lat/etc/runscr
Thu Feb 6 19:49:44 PST 2003 Replacing ./lat/techbin/download with
./lat/etc/runscr
Thu Feb 6 19:49:44 PST 2003 Replacing ./lat/techbin/mpconvert with
./lat/etc/runscr
Thu Feb 6 19:49:44 PST 2003 Replacing ./lat/techbin/newdisk with
./lat/etc/runscr
```

```

Thu Feb 6 19:49:45 PST 2003 Replacing ./lat/techbin/revert with
./lat/etc/runscr
Thu Feb 6 19:49:45 PST 2003 Replacing ./lat/techbin/restore with
./lat/etc/runscr
Thu Feb 6 19:49:45 PST 2003 Replacing ./lat/techbin/restore_vp_db with
./lat/etc/runscr
Thu Feb 6 19:49:45 PST 2003 Replacing ./lat/techbin/save with
./lat/etc/runscr
Thu Feb 6 19:49:45 PST 2003 Replacing ./lat/techbin/sysconfig with
./lat/etc/runscr
Thu Feb 6 19:49:45 PST 2003 Replacing ./lat/techbin/sysdatacopy with
./lat/etc/runscr
Thu Feb 6 19:49:45 PST 2003 Replacing ./lat/techbin/su with ./lat/etc/su
Thu Feb 6 19:49:45 PST 2003 Replacing ./lat/techbin/update with
./lat/etc/runscr
Thu Feb 6 19:49:45 PST 2003 Replacing ./net/unfsio with ./lat/etc/unfsio
Thu Feb 6 19:49:47 PST 2003 Replacing ./net/inetd with ./lat/etc/inetd
Thu Feb 6 19:49:47 PST 2003 Replacing ./net/telnetd with ./lat/etc/telnetd
Thu Feb 6 19:49:47 PST 2003 Replacing ./lynx.os with ./lat/etc/lynx.os
Thu Feb 6 19:49:48 PST 2003 Updating time zone files:
Thu Feb 6 19:49:48 PST 2003 Installing the new OS files
Thu Feb 6 19:49:52 PST 2003 Constructing a new prompt set on partition 2f
Thu Feb 6 19:49:59 PST 2003 Constructed new alternate prompt set
Thu Feb 6 19:50:00 PST 2003 Copying in the new prompt set
Thu Feb 6 19:50:30 PST 2003 Prompt setup complete
Thu Feb 6 19:50:30 PST 2003 Copying the active database into a fresh
partition
Thu Feb 6 19:50:30 PST 2003 Constructing a new database on partition 2c
Thu Feb 6 19:55:30 PST 2003 New database construction is complete
Thu Feb 6 19:55:31 PST 2003 Preparing the boot from the new software load
The first phase of the software upgrade is complete.
The system will now restart. As it comes up it will start the 2nd phase

```

8.2 Viewing Upgrade Status in Remote Installation/Upgrade Session

```

Release 5.1.0, Mar 20, 2003
user name: tech
Password:
Last login: Thu Mar 20 11:10:54 from pcslip-modem
*****
*                               MeetingPlace(tm)                               *
*                               by Latitude Communications                         *
*                                                                           *
*          Copyright (c) 1993-2003 Latitude Communications, Inc.             *
*                               All rights reserved.                           *
*****
Unable to initialize database access
Conference server 5.1.0
Thu Mar 20 11:25:49 PST 2003
:tech$ update status
Last status update: Mar 20 11:25
Revising database: conf_att
:tech$

```

8.3 Viewing Real time Upgrade Status in Remote Installation/Upgrade Session

```

Release 5.1.0, Mar 20, 2003

```

```
user name: tech
Password:
Last login: Thu Mar 20 11:10:54 from pcslip-modem
*****
*                               MeetingPlace(tm)                               *
*                               by Latitude Communications                         *
*                                                                           *
*          Copyright (c) 1993-2003 Latitude Communications, Inc.             *
*                               All rights reserved.                           *
*****
Unable to initialize database access
Conference server 5.1.0
Thu Mar 20 11:25:49 PST 2003
:tech$ update trace
Last update: Mar 20 11:26
Processing file /lat/db/confatt containing 25 records

Current slot 25 (0 seconds)

Processing file /lat/db/rsconfpart containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/conf containing 24577 records

Current slot 24577 (102 seconds)

Processing file /lat/db/confpart containing 118115 records

Current slot 118115 (16 seconds)

Processing file /lat/db/conftime containing 97055 records

Current slot 97055 (5 seconds)

Processing file /lat/db/tmp4 containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/partnotrec containing 1220 records

Current slot 1220 (0 seconds)

Processing file /lat/db/confcatrec containing 23807 records

Current slot 23807 (1 seconds)
dbrev completed, successful restructure

Database Restructure Utility
Centura RDM 5.0.0 [24-Apr-2000] http://www.centurasoft.com/rdm
Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

cldbrev: /lat/bin/dbrev done

cldbrev: starting /lat/bin/initdb -y 5.0.0/conf_att

Database Initialization Utility
Centura RDM 5.0.0 [24-Apr-2000] http://www.centurasoft.com/rdm
Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

5.0.0/conf_att initialized
```

```
cmdbrev: /lat/bin/initdb done

cmdbrev: starting /lat/bin/initdb -y 5.0.0/config

Database Initialization Utility
Centura RDM 5.0.0 [24-Apr-2000] http://www.centurasoft.com/rdm
Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

5.0.0/config initialized

  cmdbrev: /lat/bin/initdb done

Beginning dbrev at Thu Mar 20 11:28:42 PST 2003
cmdbrev: starting /lat/bin/dbrev -s 5.0.0/config.rdl -q -v /lat/db/config
5.0.0/
config

dbrev compilation complete

Processing file /lat/db/billinginfo containing 0 records
Current slot 0 (0 seconds)

Processing file /lat/db/companyinfo containing 1 records
Current slot 1 (0 seconds)

Processing file /lat/db/filestats containing 0 records
Current slot 0 (0 seconds)

Processing file /lat/db/hwconfig containing 0 records
Current slot 0 (0 seconds)

Processing file /lat/db/hwstats containing 0 records
Current slot 0 (0 seconds)

Processing file /lat/db/option containing 24 records
Current slot 24 (0 seconds)

Processing file /lat/db/outdialtrans containing 79 records
Current slot 79 (0 seconds)

Processing file /lat/db/netmgtinfo containing 1 records
Current slot 1 (0 seconds)

Processing file /lat/db/netmgtcomm containing 3 records
Current slot 3 (0 seconds)

Processing file /lat/db/unit containing 128 records
Current slot 128 (1 seconds)
```

```
Processing file /lat/db/site containing 8 records
Current slot 8 (0 seconds)
Processing file /lat/db/promptstats containing 0 records
Current slot 0 (0 seconds)
Processing file /lat/db/scsi containing 128 records
Current slot 128 (0 seconds)
Processing file /lat/db/swconfig containing 1 records
Current slot 1 (0 seconds)
Processing file /lat/db/swstats containing 0 records
Current slot 0 (0 seconds)
Processing file /lat/db/systemconfig containing 1 records
Current slot 1 (0 seconds)
Processing file /lat/db/timezone containing 319 records
Current slot 319 (0 seconds)
Processing file /lat/db/mtgcategory containing 1 records
Current slot 1 (0 seconds)
Processing file /lat/db/remoteserver containing 0 records
Current slot 0 (0 seconds)
Processing file /lat/db/didcnfgconfig containing 16 records
Current slot 16 (0 seconds)
Processing file /lat/db/schedparamsconfig containing 1 records
Current slot 1 (0 seconds)
dbrev completed, successful restructure

Database Restructure Utility
Centura RDM 5.0.0 [24-Apr-2000] http://www.centurasoft.com/rdm
Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

cmdbrev: /lat/bin/dbrev done

cmdbrev: starting /lat/bin/initdb -y 5.0.0/config

Database Initialization Utility
Centura RDM 5.0.0 [24-Apr-2000] http://www.centurasoft.com/rdm
Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

5.0.0/config initialized

cmdbrev: /lat/bin/initdb done
```

```
cmdbrev: starting /lat/bin/initdb -y 5.0.0/conflite

Database Initialization Utility
Centura RDM 5.0.0 [24-Apr-2000] http://www.centurasoft.com/rdm
Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

5.0.0/conflite initialized

cmdbrev: /lat/bin/initdb done

Beginning dbrev at Thu Mar 20 11:28:43 PST 2003
cmdbrev: starting /lat/bin/dbrev -s 5.0.0/conflite.rdl -q -v /lat/db/conflite
5.
0.0/conflite

dbrev compilation complete

Processing file /lat/db/conflite containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/confpartlite containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/confcatreclite containing 0 records

Current slot 0 (0 seconds)
dbrev completed, successful restructure

Database Restructure Utility
Centura RDM 5.0.0 [24-Apr-2000] http://www.centurasoft.com/rdm
Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

cmdbrev: /lat/bin/dbrev done

cmdbrev: starting /lat/bin/initdb -y 5.0.0/conflite

Database Initialization Utility
Centura RDM 5.0.0 [24-Apr-2000] http://www.centurasoft.com/rdm
Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

5.0.0/conflite initialized

cmdbrev: /lat/bin/initdb done

cmdbrev: starting /lat/bin/initdb -y 5.0.0/gen

Database Initialization Utility
Centura RDM 5.0.0 [24-Apr-2000] http://www.centurasoft.com/rdm
Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

5.0.0/gen initialized

cmdbrev: /lat/bin/initdb done

Beginning dbrev at Thu Mar 20 11:28:44 PST 2003
cmdbrev: starting /lat/bin/dbrev -s 5.0.0/gen.rdl -q -v /lat/db/gen 5.0.0/gen

dbrev compilation complete
```

Processing file /lat/db/user containing 104283 records

Current slot 2600 (380 seconds)

-Used control c to reexecute update status and update trace commands.
Normally wouldn't do this. Just execute the update trace command.
-Note: LAN connection will not work for the MP server durring upgrades

```
:tech$ update status
Last status update: Mar 20 11:35
Revising database: gen
:tech$ update trace
Last update: Mar 20 11:35
cldbrev: /lat/bin/initdb done
```

```
Beginning dbrev at Thu Mar 20 11:28:44 PST 2003
cldbrev: starting /lat/bin/dbrev -s 5.0.0/gen.rdl -q -v /lat/db/gen 5.0.0/gen
```

dbrev compilation complete

Processing file /lat/db/user containing 104283 records

Current slot 16000 (220 seconds)

9 On-site Upgrade Procedure

1. Log in to MeetingPlace as technician (i.e., tech\$ prompt) through a telnet session or Hyper Terminal.
2. Enter the **down** command to down the MeetingPlace server software.
3. Insert the tape in the tape drive and note the current time.
4. We strongly recommend that you capture the upgrade session to a log file. Most terminal programs have logging features that you can turn on. Save the session capture to your desktop as "upgrade.txt". In the event that something unexpected occurs with the update, this log will be required by Latitude support.
5. Wait for the blinking light on the tape driver to stop. This will take approximately 3 minutes
6. Enter the **update** command to begin copying upgrade files from the tape to the system hard drive.
7. When it prompts you to select Tape or Diskette, select "t" for Tape.
8. The system will again remind you to wait for the blinking light to stop. Press "enter" when you are ready to install.
9. The tape is being read at this time. This will take approximately 3 minutes
10. When it prompts you to continue or abort (the upgrade), press enter.
11. If the system gives you the following message, restart the server using "restart disable". After the system comes back up, log in as technician and resume step 5:

```
A disk backup appears to be active...  
You may restart the system to stop it.
```
12. Follow the instructions on the screen and wait for the process to complete.
13. Remove the tape from the tape drive when the update process is completed.
14. Enter the **restart enable** command to restart the MeetingPlace system if it does not come up by itself.
15. Note the time when the upgrade completes and the MeetingPlace system restarts and is back online. If you had captured the upgrade process to a log file, close the log file and record its location for future retrieval.
16. Please refer to section 8 for Post Upgrade Testing
17. After the upgrade testing is done, if the result is satisfactory and the system is operating correctly, run **save** command.

9.1 On-site Installation/Upgrade (Sample Session without Disk Backup Active)

```
alesmith:tech$ update  
Tape or diskette ([t]/d)?  
Please insert the update tape in the drive.
```

```
Please wait until the LED on the tape drive stops blinking before continuing.  
This may take a few minutes.  
Press <ENTER> to continue or <CONTROL-C> to abort.
```

```
Updating...  
Reading the tape:
```

- ```

- MeetingPlace software release 5.1.0
- Archive created: Tue Jan 21 13:45:06 PST 2003
- Archive media: tape

```

Press <ENTER> to continue or <CONTROL-C> to abort.

```
Thu Feb 6 19:47:17 PST 2003 Starting ./UPDATE.phase1
Thu Feb 6 19:47:17 PST 2003 Verifying the tape image checksum
Thu Feb 6 19:47:24 PST 2003 Killing cron
Thu Feb 6 19:47:25 PST 2003 Copying root file system from partition 1a to 2a
Thu Feb 6 19:48:12 PST 2003 Starting extraction of files from archive:
Thu Feb 6 19:49:38 PST 2003 Archive extraction is done.
Thu Feb 6 19:49:38 PST 2003 Updating password file
Thu Feb 6 19:49:38 PST 2003 Resetting system file ownerships:
Thu Feb 6 19:49:38 PST 2003 Removing set-uid permissions:
Thu Feb 6 19:49:39 PST 2003 Updating files and setting permissions:
Thu Feb 6 19:49:42 PST 2003 Replacing ./bin/kermit with ./lat/etc/kermit
Thu Feb 6 19:49:43 PST 2003 Replacing ./bin/less with ./lat/etc/less
Thu Feb 6 19:49:43 PST 2003 Replacing ./bin/login with ./lat/etc/bin.login
Thu Feb 6 19:49:43 PST 2003 Replacing ./bin/ping with ./lat/etc/ping
Thu Feb 6 19:49:43 PST 2003 Replacing ./bin/rc with ./lat/etc/bin.rc
Thu Feb 6 19:49:43 PST 2003 Replacing ./bin/rsh with ./lat/etc/rsh
Thu Feb 6 19:49:43 PST 2003 Replacing ./bin/slattach with
./lat/etc/slattach
Thu Feb 6 19:49:43 PST 2003 Replacing ./bin/stty with ./lat/etc/stty
Thu Feb 6 19:49:44 PST 2003 Replacing ./etc/inetd.conf with
./lat/etc/etc/inetd.conf
Thu Feb 6 19:49:44 PST 2003 Replacing ./etc/motd with ./lat/etc/etc.motd
Thu Feb 6 19:49:44 PST 2003 Replacing ./etc/passwd with
./lat/etc/etc.passwd
Thu Feb 6 19:49:44 PST 2003 Replacing ./lat/bin/dp with ./lat/etc/rsh
Thu Feb 6 19:49:44 PST 2003 Replacing ./lat/bin/updatefile with
./lat/etc/runscr
Thu Feb 6 19:49:44 PST 2003 Replacing ./lat/etc/setup_CSdb with
./lat/etc/runscr
Thu Feb 6 19:49:44 PST 2003 Replacing ./lat/bin/clearshmem with
./lat/etc/runscr
Thu Feb 6 19:49:44 PST 2003 Replacing ./lat/techbin/diskcopy with
./lat/etc/runscr
Thu Feb 6 19:49:44 PST 2003 Replacing ./lat/techbin/download with
./lat/etc/runscr
Thu Feb 6 19:49:44 PST 2003 Replacing ./lat/techbin/mpconvert with
./lat/etc/runscr
Thu Feb 6 19:49:44 PST 2003 Replacing ./lat/techbin/newdisk with
./lat/etc/runscr
Thu Feb 6 19:49:45 PST 2003 Replacing ./lat/techbin/revert with
./lat/etc/runscr
Thu Feb 6 19:49:45 PST 2003 Replacing ./lat/techbin/restore with
./lat/etc/runscr
Thu Feb 6 19:49:45 PST 2003 Replacing ./lat/techbin/restore_vp_db with
./lat/etc/runscr
Thu Feb 6 19:49:45 PST 2003 Replacing ./lat/techbin/save with
./lat/etc/runscr
Thu Feb 6 19:49:45 PST 2003 Replacing ./lat/techbin/sysconfig with
./lat/etc/runscr
Thu Feb 6 19:49:45 PST 2003 Replacing ./lat/techbin/sysdatacopy with
./lat/etc/runscr
Thu Feb 6 19:49:45 PST 2003 Replacing ./lat/techbin/su with ./lat/etc/su
Thu Feb 6 19:49:45 PST 2003 Replacing ./lat/techbin/update with
./lat/etc/runscr
```

```

Thu Feb 6 19:49:45 PST 2003 Replacing ../net/unfsio with ../lat/etc/unfsio
Thu Feb 6 19:49:47 PST 2003 Replacing ../net/inetd with ../lat/etc/inetd
Thu Feb 6 19:49:47 PST 2003 Replacing ../net/telnetd with ../lat/etc/telnetd
Thu Feb 6 19:49:47 PST 2003 Replacing ../lynx.os with ../lat/etc/lynx.os
Thu Feb 6 19:49:48 PST 2003 Updating time zone files:
Thu Feb 6 19:49:48 PST 2003 Installing the new OS files
Thu Feb 6 19:49:52 PST 2003 Constructing a new prompt set on partition 2f
Thu Feb 6 19:49:59 PST 2003 Constructed new alternate prompt set
Thu Feb 6 19:50:00 PST 2003 Copying in the new prompt set
Thu Feb 6 19:50:30 PST 2003 Prompt setup complete
Thu Feb 6 19:50:30 PST 2003 Copying the active database into a fresh
partition
Thu Feb 6 19:50:30 PST 2003 Constructing a new database on partition 2c
Thu Feb 6 19:55:30 PST 2003 New database construction is complete
Thu Feb 6 19:55:31 PST 2003 Preparing the boot from the new software load
The first phase of the software upgrade is complete.
The system will now restart. As it comes up it will start the 2nd phase

```

\*\*\*\* LynxOS is down \*\*\*\*

```

SKDB kernel debugger installed.
LynxOS 386/486/Pentium PC-AT Version 3.1.0
Copyright 1987-1998 Lynx Real-Time Systems Inc.
All rights reserved.

```

```

LynxOS (x86) created Mon Nov 25 11:49:40 EST 2002
Rebooting into multi-user mode in 5 seconds...
12345

```

\*\*\*\* LynxOS is down \*\*\*\*

```

SKDB kernel debugger installed.
LynxOS 386/486/Pentium PC-AT Version 3.1.0
Copyright 1987-1998 Lynx Real-Time Systems Inc.
All rights reserved.

```

```

LynxOS (x86) created Mon Nov 25 11:49:40 EST 2002

```

MeetingPlace by Latitude Communications

```

Thu Feb 6 19:57:30 PST 2003
Startup flags = a

```

```

(all sizes and block numbers in decimal)
(block size is 16384)
(file system is byte-swapped)
(file system creation time is Thu Feb 6 19:47:24 2003)
(file system contains 31999 blocks and 7936 inodes)
checking used files
checking for orphaned files
making bit map free block list
making free inode list
11433 free blocks 6101 free inodes
Filesystem Ok
SCSI adapter is NCR 8xx.
Copying /tmp FS from partition 2b to 1b
/tmp moved to /dev/disk1b
Unit class is standalone conference server (SINGLE).
Bus architecture is CompactPCI (M3).
Ethernet device is "pro0".

```

Initializing the modem on COM2.../lat/bin/initmodem ...

No `OK' response from modem to command `AT Q0

,

Installing Latitude drivers...

devinstall: acti.dat: Device doesn't exist  
done.

Executing the 2nd stage of software upgrade.  
Thu Feb 6 19:58:18 PST 2003 Phase 2 starting  
Revising database from 5.0.0 to 5.1.0

cmdbrev: begun Thu Feb 6 19:58:18 PST 2003  
DB Config file is m3.con

Unpacking the archive:

```
/lat/bin/cmdbrev: line 219: 81 Broken pipe uncompress
<${etcdir}/${olddbrev}.tar.Z
 83 Done | tar xf -
```

Thu Feb 6 19:58:18 PST 2003

cmdbrev: starting 5.0.0/update.pre -f 5.0.0 -t 5.1.0  
cmdbrev: 5.0.0/update.pre done

cmdbrev: starting /lat/bin/initdb -y 5.0.0/conf\_att

Database Initialization Utility

Centura RDM 5.0.0 [24-Apr-2000] <http://www.centurasoft.com/rdm>  
Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

5.0.0/conf\_att initialized

cmdbrev: /lat/bin/initdb done

Beginning dbrev at Thu Feb 6 19:58:19 PST 2003

cmdbrev: starting /lat/bin/dbrev -s 5.0.0/conf\_att.rdl -q -v /lat/db/conf\_att  
5.0.0/conf\_att

dbrev compilation complete

Processing file /lat/db/confatt containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/rsconfpart containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/conf containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/confpart containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/conftime containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/tmp4 containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/partnotrec containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/confcatrec containing 0 records

Current slot 0 (0 seconds)

dbrev completed, successful restructure

Database Restructure Utility

Centura RDM 5.0.0 [24-Apr-2000] <http://www.centurasoft.com/rdm>

Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

cmdbrev: /lat/bin/dbrev done

cmdbrev: starting /lat/bin/initdb -y 5.0.0/conf\_att

Database Initialization Utility

Centura RDM 5.0.0 [24-Apr-2000] <http://www.centurasoft.com/rdm>

Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

5.0.0/conf\_att initialized

cmdbrev: /lat/bin/initdb done

cmdbrev: starting /lat/bin/initdb -y 5.0.0/config

Database Initialization Utility

Centura RDM 5.0.0 [24-Apr-2000] <http://www.centurasoft.com/rdm>

Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

5.0.0/config initialized

cmdbrev: /lat/bin/initdb done

Beginning dbrev at Thu Feb 6 19:58:20 PST 2003

cmdbrev: starting /lat/bin/dbrev -s 5.0.0/config.rdl -q -v /lat/db/config  
5.0.0/config

dbrev compilation complete

Processing file /lat/db/billinginfo containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/companyinfo containing 1 records

Current slot 1 (0 seconds)

Processing file /lat/db/filestats containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/hwconfig containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/hwstats containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/option containing 28 records

Current slot 28 (0 seconds)

Processing file /lat/db/outdialtrans containing 16 records

Current slot 16 (0 seconds)

Processing file /lat/db/netmgtinfo containing 1 records

Current slot 1 (0 seconds)

Processing file /lat/db/netmgtcomm containing 3 records

Current slot 3 (0 seconds)

Processing file /lat/db/unit containing 128 records

Current slot 128 (0 seconds)

Processing file /lat/db/site containing 8 records

Current slot 8 (0 seconds)

Processing file /lat/db/promptstats containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/scsi containing 128 records

Current slot 128 (0 seconds)

Processing file /lat/db/swconfig containing 1 records

Current slot 1 (0 seconds)

Processing file /lat/db/swstats containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/systemconfig containing 1 records

Current slot 1 (0 seconds)

Processing file /lat/db/timezone containing 319 records

Current slot 319 (0 seconds)

Processing file /lat/db/mtgcategory containing 1 records

Current slot 1 (0 seconds)

Processing file /lat/db/remoteserver containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/didcnfgconfig containing 16 records

Current slot 16 (0 seconds)

Processing file /lat/db/schedparamsconfig containing 1 records

Current slot 1 (0 seconds)

dbrev completed, successful restructure

Database Restructure Utility

Centura RDM 5.0.0 [24-Apr-2000] <http://www.centurasoft.com/rdm>

Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

cmdbrev: /lat/bin/dbrev done

cmdbrev: starting /lat/bin/initdb -y 5.0.0/config

Database Initialization Utility

Centura RDM 5.0.0 [24-Apr-2000] <http://www.centurasoft.com/rdm>

Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

5.0.0/config initialized

cmdbrev: /lat/bin/initdb done

cmdbrev: starting /lat/bin/initdb -y 5.0.0/conflite

Database Initialization Utility

Centura RDM 5.0.0 [24-Apr-2000] <http://www.centurasoft.com/rdm>

Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

5.0.0/conflite initialized

cmdbrev: /lat/bin/initdb done

Beginning dbrev at Thu Feb 6 19:58:22 PST 2003

cmdbrev: starting /lat/bin/dbrev -s 5.0.0/conflite.rdl -q -v /lat/db/conflite  
5.0.0/conflite

dbrev compilation complete

Processing file /lat/db/conflite containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/confpartlite containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/confcatreclite containing 0 records

Current slot 0 (0 seconds)

dbrev completed, successful restructure

Database Restructure Utility

Centura RDM 5.0.0 [24-Apr-2000] <http://www.centurasoft.com/rdm>

Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

cmdbrev: /lat/bin/dbrev done

cmdbrev: starting /lat/bin/initdb -y 5.0.0/conflite

Database Initialization Utility

Centura RDM 5.0.0 [24-Apr-2000] <http://www.centurasoft.com/rdm>

Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

5.0.0/conflite initialized

cmdbrev: /lat/bin/initdb done

cmdbrev: starting /lat/bin/initdb -y 5.0.0/gen

Database Initialization Utility

Centura RDM 5.0.0 [24-Apr-2000] <http://www.centurasoft.com/rdm>

Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

5.0.0/gen initialized

cmdbrev: /lat/bin/initdb done

Beginning dbrev at Thu Feb 6 19:58:22 PST 2003

cmdbrev: starting /lat/bin/dbrev -s 5.0.0/gen.rdl -q -v /lat/db/gen 5.0.0/gen

dbrev compilation complete

Processing file /lat/db/user containing 4 records

Current slot 4 (0 seconds)

Processing file /lat/db/group containing 1 records

Current slot 1 (0 seconds)

Processing file /lat/db/gentmp1 containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/gentmp2 containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/gentmp3 containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/flexfield containing 6 records

Current slot 6 (0 seconds)

dbrev completed, successful restructure

Database Restructure Utility

Centura RDM 5.0.0 [24-Apr-2000] <http://www.centurasoft.com/rdm>

Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

cmdbrev: /lat/bin/dbrev done

cmdbrev: starting /lat/bin/initdb -y 5.0.0/gen

Database Initialization Utility

Centura RDM 5.0.0 [24-Apr-2000] <http://www.centurasoft.com/rdm>

Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

5.0.0/gen initialized

cmdbrev: /lat/bin/initdb done

cmdbrev: starting /lat/bin/initdb -y 5.0.0/genlite

Database Initialization Utility

Centura RDM 5.0.0 [24-Apr-2000] <http://www.centurasoft.com/rdm>

Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

5.0.0/genlite initialized

cmdbrev: /lat/bin/initdb done

Beginning dbrev at Thu Feb 6 19:58:23 PST 2003

cmdbrev: starting /lat/bin/dbrev -s 5.0.0/genlite.rdl -q -v /lat/db/genlite  
5.0.0/genlite

dbrev compilation complete

Processing file /lat/db/userlite containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/grouplite containing 0 records

Current slot 0 (0 seconds)

dbrev completed, successful restructure

Database Restructure Utility

Centura RDM 5.0.0 [24-Apr-2000] <http://www.centurasoft.com/rdm>

Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

cmdbrev: /lat/bin/dbrev done

cmdbrev: starting /lat/bin/initdb -y 5.0.0/genlite

Database Initialization Utility

Centura RDM 5.0.0 [24-Apr-2000] <http://www.centurasoft.com/rdm>

Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

5.0.0/genlite initialized

cmdbrev: /lat/bin/initdb done

cmdbrev: starting /lat/bin/initdb -y 5.0.0/res

Database Initialization Utility

Centura RDM 5.0.0 [24-Apr-2000] <http://www.centurasoft.com/rdm>

Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

5.0.0/res initialized

cmdbrev: /lat/bin/initdb done

Beginning dbrev at Thu Feb 6 19:58:24 PST 2003

cmdbrev: starting /lat/bin/dbrev -q -v /lat/db/res 5.0.0/res

dbrev compilation complete

Processing file /lat/db/crres containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/portres containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/didres containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/didconfigres containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/schedparamsres containing 0 records

Current slot 0 (0 seconds)

Processing file /lat/db/crresfstaccess containing 13 records

Current slot 13 (0 seconds)

Processing file /lat/db/portresfstaccess containing 13 records

Current slot 13 (0 seconds)

Processing file /lat/db/vsresfstaccess containing 15 records

Current slot 15 (0 seconds)

Processing file /lat/db/vsres containing 0 records

Current slot 0 (0 seconds)

dbrev completed, successful restructure

Database Restructure Utility

Centura RDM 5.0.0 [24-Apr-2000] <http://www.centurasoft.com/rdm>

Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

cmdbrev: /lat/bin/dbrev done

cmdbrev: starting /lat/bin/initdb -y 5.0.0/res

Database Initialization Utility

Centura RDM 5.0.0 [24-Apr-2000] <http://www.centurasoft.com/rdm>

Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

5.0.0/res initialized

cmdbrev: /lat/bin/initdb done

cmdbrev: starting /lat/bin/initdb -y 5.0.0/tcnfg

Database Initialization Utility

Centura RDM 5.0.0 [24-Apr-2000] <http://www.centurasoft.com/rdm>

Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

5.0.0/tcnfg initialized

cmdbrev: /lat/bin/initdb done

Beginning dbrev at Thu Feb 6 19:58:25 PST 2003

cmdbrev: starting /lat/bin/dbrev -q -v /lat/db/tcnfg 5.0.0/tcnfg

dbrev compilation complete

Processing file /lat/db/analogcard containing 45 records

Current slot 45 (0 seconds)

Processing file /lat/db/masterswcard containing 108 records

Current slot 108 (0 seconds)

Processing file /lat/db/portrescard containing 108 records

Current slot 108 (0 seconds)

Processing file /lat/db/tlcard containing 108 records

Current slot 108 (0 seconds)

Processing file /lat/db/tlspan containing 432 records

Current slot 432 (0 seconds)

Processing file /lat/db/trunk containing 10800 records

Current slot 1000 (0 seconds)

Current slot 2000 (0 seconds)

Current slot 3000 (0 seconds)

Current slot 4000 (1 seconds)

Current slot 5000 (1 seconds)

Current slot 6000 (1 seconds)

Current slot 7000 (1 seconds)

Current slot 8000 (1 seconds)

Current slot 9000 (1 seconds)

Current slot 10000 (1 seconds)

Current slot 10800 (1 seconds)

Processing file /lat/db/trunkgroup containing 32 records

Current slot 32 (0 seconds)

Processing file /lat/db/elcard containing 18 records

Current slot 18 (1 seconds)

Processing file /lat/db/elspan containing 36 records

Current slot 36 (0 seconds)

Processing file /lat/db/iprescard containing 108 records

Current slot 108 (0 seconds)

Processing file /lat/db/blade containing 12 records

```
Current slot 12 (0 seconds)
dbrev completed, successful restructure

Database Restructure Utility
Centura RDM 5.0.0 [24-Apr-2000] http://www.centurasoft.com/rdm
Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

cmdbrev: /lat/bin/dbrev done

cmdbrev: starting /lat/bin/initdb -y 5.0.0/tcnfg

Database Initialization Utility
Centura RDM 5.0.0 [24-Apr-2000] http://www.centurasoft.com/rdm
Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

5.0.0/tcnfg initialized

cmdbrev: /lat/bin/initdb done

cmdbrev: starting /lat/bin/dbconfig -b /lat/db -f /lat/db/m3.con
cmdbrev: /lat/bin/dbconfig done

Thu Feb 6 19:58:29 PST 2003
cmdbrev: starting 5.0.0/update -f 5.0.0 -t 5.1.0
update: starting updateoptions -f 5.0.0 -t 5.1.0
Updating option names Done
update: updateoptions done

update: starting newflexfields.sh

Database Export Utility
Centura RDM 5.0.0 [24-Apr-2000] http://www.centurasoft.com/rdm
Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

Skipping data file 'user'
Skipping data file 'group'
Skipping data file 'gentmp1'
Skipping data file 'gentmp2'
Skipping data file 'gentmp3'
Exporting contents of data file 'flexfield'
Record type CSFLEXFIELD into file name csflexfield.txt
dbexp completed
[csflexfield.dat:0001] 1,1,"profileflex1","Profile flex field
1",0,0,0,0,2,0,""
[csflexfield.dat:0002] 1,2,"profileflex2","Profile flex field
2",0,0,0,0,2,0,""
[csflexfield.dat:0003] 1,3,"profileflex3","Profile flex field
3",0,0,0,0,2,0,""
[csflexfield.dat:0004] 2,1,"mtgflex1","Meeting flex field 1",0,0,0,0,1,0,""
[csflexfield.dat:0005] 2,2,"mtgflex2","Meeting flex field 2",0,0,0,0,1,0,""
[csflexfield.dat:0006] 2,3,"mtgflex3","Meeting flex field 3",0,0,0,0,1,0,""
[csflexfield.dat:0007] 1,4,"profileflex4","Profile flex field
4",0,0,0,0,2,0,""
[csflexfield.dat:0008] 1,5,"profileflex5","Profile flex field
5",0,0,0,0,2,0,""
[csflexfield.dat:0009] 1,6,"profileflex6","Profile flex field
6",0,0,0,0,2,0,""
[csflexfield.dat:0010] 1,7,"profileflex7","Profile flex field
7",0,0,0,0,2,0,""
```

```
[csflexfield.dat:0011] 2,4,"mtgflex4","Meeting flex field 4",0,0,0,0,1,0,""
[csflexfield.dat:0012] 2,5,"mtgflex5","Meeting flex field 5",0,0,0,0,1,0,""
[csflexfield.dat:0013] 2,6,"mtgflex6","Meeting flex field 6",0,0,0,0,1,0,""
[csflexfield.dat:0014] 2,7,"mtgflex7","Meeting flex field 7",0,0,0,0,1,0,""
```

Database Import Utility

Centura RDM 5.0.0 [24-Apr-2000] <http://www.centurasoft.com/rdm>  
 Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

Compilation complete:

Starting data import  
 Successful import  
 update: newflexfields.sh done

update: starting upgradetcnfg -f 5.0.0 -t 5.1.0  
 Converting tcnfg database from 5.0.0 to 5.1.0  
 Fixing Blade card records.....!  
 Creating AC card records.....!  
 Creating AC span records.....!  
 .....

Calling updateConf\_att to do some clean up in CsConf\_att db....  
 update: starting updateConf\_att -f 5.0.0 -t 5.1.0 -w 1  
 Start Modifying CsConfTime  
 \*Processed 0 CsConfTime records for DNIS digit initialization\* -  
 Done!!!  
 update: updateConf\_att done

updateConf Done!  
 cmdbrev: 5.0.0/update done

cmdbrev: starting dbprealloc -b /lat/db

----- Preallocating conf\_att Thu Feb 6 19:58:32 PST 2003

Reserving 200000 confatt records (code 10000) ...  
 Adding 7143 16384 byte page(s) to get 200000 record(s) ...  
 Reserving 1000 rsconfpart records (code 10001) ...  
 Adding 8 16384 byte page(s) to get 1000 record(s) ...  
 Reserving 200000 conf records (code 10003) ...  
 Adding 11112 16384 byte page(s) to get 200000 record(s) ...  
 Reserving 1000000 confpart records (code 10005) ...  
 Adding 8696 16384 byte page(s) to get 1000000 record(s) ...  
 Reserving 1000000 conftime records (code 10004) ...  
 Adding 5026 16384 byte page(s) to get 1000000 record(s) ...

Record 10002 (tmp4): has no preallocation count

```
Reserving 200000 partnotrec records (code 10006) ...
 Adding 5406 16384 byte page(s) to get 200000 record(s) ...

Reserving 200000 confcatrec records (code 10007) ...
 Adding 294 16384 byte page(s) to get 200000 record(s) ...

Pre-allocating each key file...
 Adding 441 16384 byte pages to key file confatt.confattrefid...
 Adding 343 16384 byte pages to key file confatt.UpdateTime...
 Adding 5 16384 byte pages to key file rsconfpart.srtuserconf...
 Adding 3 16384 byte pages to key file rsconfpart.confpart...
 Adding 3 16384 byte pages to key file rsconfpart.UpdateTime...
 Adding 391 16384 byte pages to key file conf.nextevent...
 Adding 343 16384 byte pages to key file conf.uniquenum...
 Adding 1613 16384 byte pages to key file conf.sdmc...
 Adding 1667 16384 byte pages to key file conf.ssnd...
 Adding 441 16384 byte pages to key file conf.lmcn...
 Adding 1613 16384 byte pages to key file conf.dspc...
 Adding 1667 16384 byte pages to key file conf.psd...
 Adding 343 16384 byte pages to key file conf.UpdateTime...
 Adding 2689 16384 byte pages to key file confpart.srtuserconf...
 Adding 2201 16384 byte pages to key file confpart.confpart...
 Adding 1711 16384 byte pages to key file confpart.UpdateTime...
 Adding 2201 16384 byte pages to key file conftime.confpart...
 Adding 1711 16384 byte pages to key file conftime.UpdateTime...
 Adding 441 16384 byte pages to key file partnotrec.confpart...
 Adding 343 16384 byte pages to key file partnotrec.UpdateTime...
 Adding 537 16384 byte pages to key file confcatrec.cstuid...
 Adding 441 16384 byte pages to key file confcatrec.uidc...
 Adding 343 16384 byte pages to key file confcatrec.ConfNum...
 Adding 343 16384 byte pages to key file confcatrec.UpdateTime...

----- conf_att preallocation complete Thu Feb 6 20:00:06 PST 2003

----- Preallocating config Thu Feb 6 20:00:06 PST 2003

Reserving 1 billinginfo records (code 10000) ...
 Adding 1 16384 byte page(s) to get 1 record(s) ...

Reserving 1 companyinfo records (code 10001) ...
 the companyinfo file already has 1 record(s)

Reserving 1 filestats records (code 10002) ...
 Adding 1 16384 byte page(s) to get 1 record(s) ...

Reserving 1 hwconfig records (code 10003) ...
 Adding 1 16384 byte page(s) to get 1 record(s) ...

Reserving 1 hwstats records (code 10004) ...
 Adding 1 16384 byte page(s) to get 1 record(s) ...

Reserving 26 option records (code 10005) ...
 the option file already has 28 record(s)

Reserving 64 outdialtrans records (code 10006) ...
 the outdialtrans file already has 1 16384 byte pages that can hold 122
 record(s)

Reserving 1 netmgtinfo records (code 10013) ...
 the netmgtinfo file already has 1 record(s)
```

```
Reserving 10 netmgtcomm records (code 10014) ...
 the netmgtcomm file already has 1 16384 byte pages that can hold 105
 record(s)

Reserving 32 unit records (code 10015) ...
 the unit file already has 128 record(s)

Reserving 8 site records (code 10017) ...
 the site file already has 8 record(s)

Reserving 1 promptstats records (code 10007) ...
 Adding 1 16384 byte page(s) to get 1 record(s) ...

Reserving 10 scsi records (code 10008) ...
 the scsi file already has 128 record(s)

Reserving 1 swconfig records (code 10009) ...
 the swconfig file already has 1 record(s)

Reserving 1 swstats records (code 10010) ...
 Adding 1 16384 byte page(s) to get 1 record(s) ...

Reserving 1 systemconfig records (code 10011) ...
 the systemconfig file already has 1 record(s)

Reserving 1 timezone records (code 10012) ...
 the timezone file already has 319 record(s)

Reserving 10000 mtgcategory records (code 10016) ...
 Adding 105 16384 byte page(s) to get 9905 record(s) ...

Reserving 1000 remoteserver records (code 10018) ...
 Adding 23 16384 byte page(s) to get 1000 record(s) ...

Record 10019 (didcnfgconfig): has no preallocation count

Record 10020 (schedparamsconfig): has no preallocation count

Pre-allocating each key file...
 Adding 3 16384 byte pages to key file filestats.recnum...
 Adding 3 16384 byte pages to key file netmgtcomm.name...
 Adding 3 16384 byte pages to key file outdialtrans.recnum...
 Adding 3 1024 byte pages to key file option.name...
 Adding 3 16384 byte pages to key file timezone.id...
 Adding 3 16384 byte pages to key file timezone.timezonekey...
 Adding 3 16384 byte pages to key file unit.unitnum...
 Adding 3 16384 byte pages to key file site.sitenum...
 Adding 3 16384 byte pages to key file scsi.unitid...
 Adding 17 16384 byte pages to key file mtgcategory.uniqueid...
 Adding 37 16384 byte pages to key file mtgcategory.name...
 Adding 47 16384 byte pages to key file mtgcategory.mtgcatkey...
 Adding 3 16384 byte pages to key file remoteserver.uniqueid...
 Adding 3 16384 byte pages to key file remoteserver.name...
 Adding 3 16384 byte pages to key file remoteserver.vuid...
 Adding 3 16384 byte pages to key file remoteserver.ether...
```

```
----- config preallocation complete Thu Feb 6 20:00:07 PST 2003
```

```
Database Initialization Utility
Centura RDM 5.0.0 [24-Apr-2000] http://www.centurasoft.com/rdm
```

Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

conflite initialized

----- Preallocating db Thu Feb 6 20:00:07 PST 2003

Reserving 100 db records (code 10000) ...  
the db file already has 1 16384 byte pages that can hold 143 record(s)

Reserving 200 dbclass records (code 10001) ...  
Adding 2 16384 byte page(s) to get 127 record(s) ...

Reserving 200 dbmember records (code 10002) ...  
Adding 1 16384 byte page(s) to get 200 record(s) ...

Pre-allocating each key file...

Adding 3 16384 byte pages to key file db.name...  
Adding 3 16384 byte pages to key file dbclass.dbnamerecid...  
Adding 5 16384 byte pages to key file dbclass.csdbnameskey...  
Adding 3 16384 byte pages to key file dbclass.dbname...  
Adding 3 16384 byte pages to key file dbclass.classname...  
Adding 3 16384 byte pages to key file dbmember.fieldid...

----- db preallocation complete Thu Feb 6 20:00:07 PST 2003

----- Preallocating deletedrec Thu Feb 6 20:00:07 PST 2003

Reserving 1000000 deletedrec records (code 10000) ...  
the deletedrec file already has 1000000 record(s)

Pre-allocating each key file...

Adding 2 16384 byte pages to key file deletedrec.Sequence...

----- deletedrec preallocation complete Thu Feb 6 20:00:07 PST 2003

----- Preallocating flexmenu Thu Feb 6 20:00:07 PST 2003

Record 10000 (FMAppRec): has no preallocation count

Record 10001 (FMStateTable): has no preallocation count

Record 10002 (CustAppPrompt): has no preallocation count

Record 10003 (FMPlayPrompt): has no preallocation count

Record 10004 (FMGotoApp): has no preallocation count

Record 10005 (FMOptionMenu): has no preallocation count

Record 10006 (FMHangUp): has no preallocation count

Record 10007 (FMFindMtg): has no preallocation count

Record 10008 (FMReviewMtgMat): has no preallocation count

Record 10009 (FMGetProfile): has no preallocation count

Pre-allocating each key file...

----- flexmenu preallocation complete Thu Feb 6 20:00:07 PST 2003

```
----- Preallocating gen Thu Feb 6 20:00:07 PST 2003

Reserving 250000 user records (code 10002) ...
Adding 19230 16384 byte page(s) to get 249987 record(s) ...

Reserving 100 group records (code 10000) ...
Adding 2 16384 byte page(s) to get 61 record(s) ...

Record 10003 (gentmp1): has no preallocation count
Record 10005 (gentmp2): has no preallocation count
Record 10004 (gentmp3): has no preallocation count

Reserving 6 flexfield records (code 10001) ...
the flexfield file already has 14 record(s)

Pre-allocating each key file...
Adding 3 16384 byte pages to key file flexfield.flexfieldkey...
Adding 3 16384 byte pages to key file flexfield.importtitle...
Adding 3 16384 byte pages to key file group.id...
Adding 3 16384 byte pages to key file group.name...
Adding 3 16384 byte pages to key file group.uniqueid...
Adding 3 16384 byte pages to key file group.UpdateTime...
Adding 857 16384 byte pages to key file user.last...
Adding 857 16384 byte pages to key file user.name...
Adding 427 16384 byte pages to key file user.uniqueid...
Adding 1961 16384 byte pages to key file user.username...
Adding 551 16384 byte pages to key file user.cuid...
Adding 2083 16384 byte pages to key file user.cnlf...
Adding 1961 16384 byte pages to key file user.lfn...
Adding 917 16384 byte pages to key file user.in...
Adding 857 16384 byte pages to key file user.vuname...
Adding 2083 16384 byte pages to key file user.gln...
Adding 427 16384 byte pages to key file user.UpdateTime...

----- gen preallocation complete Thu Feb 6 20:00:58 PST 2003

Database Initialization Utility
Centura RDM 5.0.0 [24-Apr-2000] http://www.centurasoft.com/rdm
Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

genlite initialized

----- Preallocating pegs Thu Feb 6 20:00:58 PST 2003

Reserving 1 pegs records (code 10000) ...
the pegs file already has 1536 record(s)

Pre-allocating each key file...

----- pegs preallocation complete Thu Feb 6 20:00:59 PST 2003

----- Preallocating podata Thu Feb 6 20:00:59 PST 2003

Reserving 1 pomailbox records (code 10000) ...
the pomailbox file already has 32 record(s)

Reserving 20000 pomsgdata records (code 10001) ...
```

```
Pre-allocating each key file...
 Adding 2 16384 byte pages to key file pomsgdata.compundkey...
----- podata preallocation complete Thu Feb 6 20:00:59 PST 2003
----- Preallocating res Thu Feb 6 20:00:59 PST 2003
Reserving 1 crres records (code 10004) ...
 Adding 1 16384 byte page(s) to get 1 record(s) ...
Reserving 1 portres records (code 10005) ...
 Adding 1 16384 byte page(s) to get 1 record(s) ...
Reserving 200000 didres records (code 10001) ...
 Adding 513 16384 byte page(s) to get 200000 record(s) ...
Record 10000 (didconfigres): has no preallocation count
Record 10003 (schedparamsres): has no preallocation count
Reserving 13 crresfstaccess records (code 10006) ...
 the crresfstaccess file already has 13 record(s)
Reserving 13 portresfstaccess records (code 10007) ...
 the portresfstaccess file already has 13 record(s)
Reserving 13 vsresfstaccess records (code 10008) ...
 the vsresfstaccess file already has 15 record(s)
Reserving 200000 vsres records (code 10002) ...
 Adding 465 16384 byte page(s) to get 200000 record(s) ...
Pre-allocating each key file...
 Adding 635 16384 byte pages to key file didres.strtrdid...
 Adding 343 16384 byte pages to key file didres.UpdateTime...
 Adding 3 16384 byte pages to key file crres.resourceid...
 Adding 3 16384 byte pages to key file portres.resourceid...
 Adding 343 16384 byte pages to key file vsres.resourceid...
 Adding 343 16384 byte pages to key file vsres.UpdateTime...
----- res preallocation complete Thu Feb 6 20:01:03 PST 2003

Database Initialization Utility
Centura RDM 5.0.0 [24-Apr-2000] http://www.centurasoft.com/rdm
Copyright (c) 1992-2000 Centura Software Corporation. All Rights Reserved.

reslite initialized

----- Preallocating status Thu Feb 6 20:01:03 PST 2003
Reserving 200 alarmentry records (code 10000) ...
 the alarmentry file already has 200 record(s)
Reserving 16384 exlogentry records (code 10001) ...
 the exlogentry file already has 16384 record(s)
Reserving 1 hwstatus records (code 10002) ...
 the hwstatus file already has 1 16384 byte pages that can hold 2047 record(s)
```

```
Reserving 1 swstatus records (code 10003) ...
 the swstatus file already has 1 record(s)

Reserving 1500 exlogformat records (code 10004) ...
 the exlogformat file already has 3250 record(s)

Reserving 20 apps records (code 10005) ...
 the apps file already has 21 record(s)

Reserving 10000 outdial records (code 10006) ...
 the outdial file already has 10000 record(s)

Reserving 10000 notification records (code 10007) ...
 the notification file already has 10000 record(s)

Record 10008 (schedfail): has no preallocation count

Record 10009 (gwstatus): has no preallocation count

Pre-allocating each key file...

----- status preallocation complete Thu Feb 6 20:01:03 PST 2003
----- Preallocating tcncfg Thu Feb 6 20:01:04 PST 2003

Reserving 100 analogcard records (code 10000) ...
 the analogcard file already has 1 16384 byte pages that can hold 431
record(s)

Reserving 1 masterswcard records (code 10001) ...
 the masterswcard file already has 108 record(s)

Reserving 100 portrescard records (code 10002) ...
 the portrescard file already has 108 record(s)

Reserving 100 tlcard records (code 10003) ...
 the tlcard file already has 108 record(s)

Reserving 10 tlspan records (code 10004) ...
 the tlspan file already has 432 record(s)

Reserving 1000 trunk records (code 10005) ...
 the trunk file already has 10800 record(s)

Reserving 100 trunkgroup records (code 10006) ...
 the trunkgroup file already has 1 16384 byte pages that can hold 113
record(s)

Reserving 100 elcard records (code 10007) ...
 the elcard file already has 1 16384 byte pages that can hold 163 record(s)

Reserving 10 elspan records (code 10008) ...
 the elspan file already has 36 record(s)

Record 10009 (accard): has no preallocation count

Record 10010 (acspan): has no preallocation count

Record 10011 (iprescard): has no preallocation count

Record 10012 (blade): has no preallocation count
```

Record 10013 (prottable): has no preallocation count

Pre-allocating each key file...

Adding 3 16384 byte pages to key file analogcard.unitid...  
 Adding 3 16384 byte pages to key file masterswcard.unitid...  
 Adding 3 16384 byte pages to key file portrescard.unitid...  
 Adding 3 16384 byte pages to key file tlcard.unitid...  
 Adding 3 16384 byte pages to key file tspan.unitid...  
 Adding 1 16384 byte pages to key file trunk.unitid...  
 Adding 3 16384 byte pages to key file trunkgroup.id...  
 Adding 3 16384 byte pages to key file elcard.unitid...  
 Adding 3 16384 byte pages to key file elspan.unitid...

----- tcnfg preallocation complete Thu Feb 6 20:01:04 PST 2003

----- Preallocating userlist Thu Feb 6 20:01:04 PST 2003

Reserving 100000 userlist records (code 10000) ...

the userlist file already has 2041 16384 byte pages that can hold 100009 record(s)

Reserving 500000 userlistmem records (code 10001) ...

the userlistmem file already has 611 16384 byte pages that can hold 500409 record(s)

Pre-allocating each key file...

Adding 2 16384 byte pages to key file userlist.uniqueid...  
 Adding 2 16384 byte pages to key file userlist.vuid...  
 Adding 2 16384 byte pages to key file userlist.name...  
 Adding 2 16384 byte pages to key file userlist.unta...  
 Adding 2 16384 byte pages to key file userlist.UpdateTime...  
 Adding 2 16384 byte pages to key file userlist.oulid...  
 Adding 2 16384 byte pages to key file userlistmem.uluid...  
 Adding 2 16384 byte pages to key file userlistmem.UpdateTime...

----- userlist preallocation complete Thu Feb 6 20:01:04 PST 2003

cmdbrev: dbprealloc done

cmdbrev: starting delrecinit

There are supposed to be 1000000 records in the deleted record database

Counting the number of records in the database...

2000

4000

6000

8000

10000

12000

[continue to count here]

994000

996000

998000

1000000

1000001 records found

cmdbrev: delrecinit done

cmdbrev: ending Thu Feb 6 20:01:56 PST 2003

Thu Feb 6 20:01:56 PST 2003 Network setup:

Unit class = SINGLE/LOCAL

```
Updating error log format strings: Using database path: /lat/db/status
112 new entries and 3251 replacements
Prompt Upgrade>> Opening file </lat/fs.1/prompt_db_vfs_map_dir0>
Number Of Language(s) in the prompt map file: 1
Starting English...

Prompt Upgrade>> EOF (0) reached in /lat/fs.1/prompt_db_vfs_map_dir0 file
(promptNum 1493): 0

... Done with English

Starting Update Company Info

Loading to Lang Index=0

FINISHED: Prompt Database Upgrade is complete!

Statistics: 0 new entries and 319 replacements
Updating time zone names: Using database path: /lat/db/config
Updating option names Done
Working on /lat/fs.1/ ..
The file system directories are already updated
Working on /lat/fs.2/ ..
The file system directories are already updated
Working on /lat/fs.3/ ..
The file system directories are already updated
Thu Feb 6 20:01:59 PST 2003 NOTE: Disk backups disabled; run 'save' to re-
enable.
Thu Feb 6 20:01:59 PST 2003 Software update is complete.
Update is complete. Restarting...

**** LynxOS is down ****

SKDB kernel debugger installed.
LynxOS 386/486/Pentium PC-AT Version 3.1.0
Copyright 1987-1998 Lynx Real-Time Systems Inc.
All rights reserved.

LynxOS (x86) created Mon Nov 25 11:49:40 EST 2002

MeetingPlace by Latitude Communications

Thu Feb 6 20:02:53 PST 2003
Startup flags = a

(all sizes and block numbers in decimal)
(block size is 16384)
(file system is byte-swapped)
(file system creation time is Thu Feb 6 19:47:24 2003)
(file system contains 31999 blocks and 7936 inodes)
checking used files
checking for orphaned files
making bit map free block list
making free inode list
11397 free blocks 5987 free inodes
Filesystem Ok
SCSI adapter is NCR 8xx.
Unit class is standalone conference server (SINGLE).
Bus architecture is CompactPCI (M3).
Ethernet device is "pro0".
```

```

Initializing the modem on COM2.../lat/bin/initmodem ...

No `OK' response from modem to command `AT Q0

'

Installing Latitude drivers...
devinstall: acti.dat: Device doesn't exist
done.
Checking for out of date database files

Ready to load the MeetingPlace application software modules.
Hit ^C now to interrupt system activation...54321...activating

Loading the System Integrity Manager...OK
WARNING: Mount table does not match saved configuration
Automated disk backup disabled; run "save" to reenable
Loading the Command Shell...OK
Loading the Network Management Server...OK
Loading the Database Server...OK
Loading the Post Office Server...OK
Loading the Call Processing Module...OK
Loading the Conference Scheduler...OK
Loading the Workstation Server...OK
Loading the Voice User Interface ...OK
Loading the Gateway SIM Manager...OK
Release 5.1.0, Feb 6, 2003
user name: The MeetingPlace software is UP

```

## ***9.2 On-site Installation/Upgrade (Sample Session with Disk Backup Active)***

```

longleat:tech$ update
Tape or diskette ([t]/d)?
Please insert the update tape in the drive.

Please wait until the LED on the tape drive stops blinking before continuing.
This may take a few minutes.
Press <ENTER> to continue or <CONTROL-C> to abort.

Updating...
Reading the tape:

- MeetingPlace software release 5.1.0
- Archive created: Mon Dec 16 14:39:04 PST 2002
- Archive media: tape

Press <ENTER> to continue or <CONTROL-C> to abort.

Thu Dec 19 13:45:39 PST 2002 Starting ./UPDATE.phase1
Thu Dec 19 13:45:39 PST 2002 Verifying the tape image checksum
Thu Dec 19 13:45:53 PST 2002 Killing cron
Thu Dec 19 13:45:53 PST 2002 Stopping the database backup process (59)...
umount: /mnt: Device busy
Thu Dec 19 13:45:57 PST 2002 Failed to stop disk backup process
Thu Dec 19 13:45:57 PST 2002 Please 'restart disable' and try again
Software update FAILED
umount: /mnt: Device busy
longleat:tech$ restart disable

```

## 10 Final System Functionality Test

### 10.1 Telephony

Verify that users can call into or out of the MeetingPlace system with PSTN and/or VoIP. Also confirm that the system is playing the correct prompts in the correct languages.

#### 10.1.1 Inbound Calls

Dial the DID number of the server. MeetingPlace should answer the call and you should hear the "Welcome to MeetingPlace" prompt.

#### 10.1.2 Outbound Calls

Schedule an immediate meeting on each server. Join the meeting and press #31 to outdial to another phone number.

### 10.2 Schedule and Attend

Verify that users can schedule and attend new meetings.

#### 10.2.1 From Voice Interface

- Schedule and attend an immediate meeting via the phone interface
- Schedule and attend a meeting in the future via the phone interface

#### 10.2.2 From Workstation Clients

- Via the appropriate MeetingTime workstation client, log in through a System Manager profile. Schedule an immediate meeting and attend that meeting.
  - For MeetingServer 5.1, you need MeetingTime version 5.1

### 10.3 Conference Recording

If the system is configured for recording capabilities, verify recording capabilities.

#### 10.3.1 Reserved Meeting Recording

- Schedule a meeting with the recording turned on.
- Verify that the meeting is indeed recorded and that the recording is retrievable after the meeting.

#### 10.3.2 Non-Reserved Meeting Recording (Ad-hoc Recording)

- Schedule a meeting without recording. During the course of the meeting, activate recording.
- Verify that the meeting is indeed recorded and that the recording is retrievable after the meeting.

### 10.4 Database Integrity

Verify that the database, as it existed before the upgrade, has not been corrupted by the upgrade process.

### **10.4.1 Verify Name Headers**

Do a random spot check of some profiles that are known to have recorded names to verify that the recorded names have been retained.

### **10.4.2 Verify Meetings in Schedule Tab**

Do a random spot check to verify that meetings that were scheduled before the upgraded are preserved after the upgrade.

## **10.5 Gateways**

All gateways (Outlook and Web) should be functioning as they were before the upgrade.

### **10.5.1 Verify Outlook Gateway Notification Function**

1. Schedule a meeting with both sending and receiving notification enabled.
2. Select Outlook as the preferred delivery method.
3. Verify the meeting notification is sent via e-mail.

### **10.5.2 Verify Outlook Gateway Scheduling Function**

1. Schedule a meeting using the MeetingPlace Outlook Scheduling Form.
2. Verify a confirmation message is sent back to the meeting scheduler indicating that the meeting scheduling operations succeeded.

### **10.5.3 Verify Web Functions**

1. Schedule a meeting using the MeetingPlace Web Scheduling Page.
2. Verify the scheduled meeting is posted via telephony and MeetingTime client.
3. Schedule a meeting using the MeetingTime client.
4. Verify the scheduled meeting is posted in MeetingPlace Web.