

Migrating from Intuity[™] Audix[®] LX R2.0 to Avaya Aura[®] Communication Manager Messaging R6.3

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Chapter 1: Introduction

Purpose

This document describes the migration process from Intuity Audix server to Communication Manager Messaging.

Intended audience

The information in this book is intended for use by Avaya technicians, provisioning specialists, business partners, and customers.

Document changes since last issue

The following changes have been made to this document since the last issue:

Communication Manager Messaging Release 6.3 Service Pack 3 and above does not support migration from Intuity Audix R1.1 and Intuity Audix R2.0

Related resources

Documentation

The following table lists the documents related to this product. Download the documents from the Avaya Support website at http://support.avaya.com.

Document number	Title	Description	Audience
Implementation			

Document number	Title	Description	Audience	
18-603644	Implementing Avaya Aura® Communication Manager Messaging	Describes the implementation instructions for Communication Manager Messaging.	Solution Architects, Implementation Engineers, Sales Engineers, Support Personnel	
Migration	Migration			
18-603649	Migrating from Intuity [™] Audix [®] LX R1.1 to Avaya Aura [®] Communication Manager Messaging R6.3	Describes the migration scenario for Communication Manager Messaging.	Solution Architects, Implementation Engineers, Sales Engineers, Support Personnel	
18-603650	Migrating from Intuity [™] Audix [®] LX R2.0 to Avaya Aura [®] Communication Manager Messaging R6.3	Describes the migration scenario forCommunication Manager Messaging.	Solution Architects, Implementation Engineers, Sales Engineers, Support Personnel	

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Course code	Course title	Duration	Delivery Mode
4U00030E	Avaya Aura® Communication Manager and Communication Manager Messaging Embedded Implementation	54 hours	Self-directed and Instructor-facilitated
	This is a 54-hour course and consists of the following components:		
	• 4U00030E_TH – 18 hours – self-directed theory		
	4U00030E_INTRO – 4 hours – instructor- facilitated overview of content		
	4U00030E_LAB – 32 hours – instructor- facilitated hands-on lab exercises using remote equipment		
5U00060E	Avaya Aura [®] Communication Manager and Communication Manager Messaging Support	37 hours	Self-directed and Instructor-facilitated
	This is a 37-hour course and consists of the following components:		
	• 5U00060E_TH – 17 hours – self-directed theory		

Course code	Course title	Duration	Delivery Mode
	5U00060E_INTRO – 4 hours – instructor- facilitated overview of content		
	5U00060E_LAB – 16 hours – instructor- facilitated hands-on lab exercises using remote equipment		

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About this task

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Procedure

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Chapter 2: Migration overview

Introduction

The migration process from Intuity Audix server to Communication Manager Messaging R6.3 involves the backup and migration of the following types of data:

- Subscribers
- · Recorded names
- · Personal greetings
- Messages
- Mailing lists
- · Class of service records
- · Networked computers

Important:

Communication Manager Messaging Release 6.3 Service Pack 3 and above does not support migration from Intuity Audix R1.1 and Intuity Audix R2.0.

Prerequisites

Installing the latest patch on the Intuity Audix LX R2.0 system

About this task

You need to install the latest L7043rf+f RFU patch for the network backup feature to be available on the Intuity Audix LX R2.0 system.

Important:

You need Avaya Technical Support for this migration to provide this patch. Raise a ticket to Backbone Engineering team (BBE) to request the patch.

- 1. Click Start > Run.
- 2. Type telnet Intuity Audix LX R2.0 IP address.

- 3. Copy file latest L7043rf+f RFU patch to/var/msg/home/tsc/path.
- 4. Open a compatible Web browser.
- 5. In the Address field type the IP address of the Intuity Audix LX R2.0 system.
- 6. Select Utilities > Software Management > Advance Software Installation > Choose LAN.
- 7. Enter the/var/msg/home/tsc/ path that contains the patch you need to install.
- 8. Press Enter.
- 9. Click Continue this operation without current system backup.
- 10. Choose the patch and proceed to install it.

Next steps

Verify the installed patch.

• Select Utilities > Backup Restore > Remote storage configuration menus.

Verifying the number of subscribers on the Intuity Audix LX system

About this task

The Intuity Audix LX system must not exceed 15,000 subscribers.

Procedure

- 1. Log in to the Intuity Audix LX system using PuTTy.
- 2. On the command line, type Fc.
- 3. In the Fc window, type list measurements feature day.
- 4. On the **Subscribers** field, ensure that the number in the **Local** field does not exceed 15,000.

FTP server requirement

Ensure that you have an FTP server connected to the network. The system requires the server to transfer backup data.

Removing AMIS nodes

Procedure

1. On the main menu, select **Networking administration > Remote machine administration** > **AMIS Analog Machine Administration**.

- 2. Select a machine.
- 3. Press Delete.
- 4. Select yes.
- 5. Press Enter.

Note:

Communication Manager Messaging does not support the AMIS analog networking to exchange voice mail messages between remote systems. This is because it uses QSIG integration and does not have analog ports.

Important:

You also need to remove the following DCP remote machine nodes:

- 9600 connection type
- 56K connection type
- 64K connection type

DCP node profiles are not supported on Communication Manager Messaging.

Next steps

Verifying removed AMIS data on page 11.

Verifying removed AMIS data

Procedure

- 1. In the left hand pane, under **Utilities**, click **Messaging DB Audits**.
- 2. Click Start Network Data Audit.
- 3. Verify that all AMIS nodes are removed.
- 4. Click **Messaging DB Audits** to go back to the Audits page.
- 5. Click Subscriber Data Audit.
- 6. Verify that all AMIS subscribers are removed.

Determining the announcements installed on the Intuity Audix LX system

- 1. Log in to the Intuity Audix LX server using PuTTy.
- 2. Open an SSH session.

- 3. On the command line, type Fc.
- 4. On the Fc window, type list anno-sets.

The system displays the announcements installed on the sever.

- 5. Note down the announcement sets that are installed on the server.
- 6. Type display system-parameters features.
- 7. Go to page 3. The **Announcements Sets: System** field displays the custom announcement sets installed on the server.
 - Note:

Customized announcements are not migrated to the Communication Manager Messaging server.

Important:

During migration, install the language files on the Communication Manager Messaging Federal R6.3 server.

Installing RFU

About this task

Perform this procedure only if Communication Manager Messaging is enabled.

Skip this procedure if there are no remote field update (RFU) files on the Avaya Support site.

Procedure

- On the System Management Interface Web page, select Administration.
- 2. Click Messaging.

The system displays the Messaging Administration screen.

- 3. Click Software Install from the Software Management section.
- 4. Click Continue without current system backup.

The system displays the Following packages will be installed... screen with a list of the messaging RFUs.

5. Click Installed selected packages.

Important:

The Communication Manager Messaging processes stop during RFU installation.

If the RFU modified the Messaging Administration Web page, you must close and reopen this page.

Do not start the messaging software at this time.

Determining the languages installed on the Intuity Audix LX system

Procedure

- 1. Open a PuTTy window.
- 2. Log in to the Intuity Audix LX server using an SSH session.
- 3. On the command line, type list annc-sets.
- 4. Note the language files installed on the server.
 - Note:

During migration, install the language files on the Communication Manager Messaging Federal R6.3 server.

Verifying system-level settings on the Intuity Audix LX server

About this task

Ensure that settings for each of the options on the Intuity Audix LX server and the Communication Manager Messaging R6.3 server match.

- 1. Log in to the Intuity Audix LX server.
- 2. Note down the settings for each of the following system-level settings on the Intuity Audix LX server and match it to the settings on the Communication Manager Messaging R6.3 server.

System-Parameters (Intuity Audix system)	Messaging Administration (System Management Interface > Administration> Messaging) (CM Messaging system)
activity-log	Under Messaging Administration -> Activity Log Configuration
analog-network	Under Server Administration -> Networked Servers
dial-sequences	Under Messaging Administration -> Dial Sequences
features	Under Messaging Administration -> Features
imapi-options	Under Messaging Administration -> MCAPI Options
limits	Under Messaging Administration -> Limits
outcalling	Under Messaging Administration -> Outcalling Options
sending-restrictions	Under Messaging Administration -> Sending Restrictions

System-Parameters (Intuity Audix system)	Messaging Administration (System Management Interface > Administration> Messaging) (CM Messaging system)
thresholds	Under Messaging Administration -> Thresholds

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Chapter 3: Backing up data on the INTUITY **AUDIX LX R 2.0 server**

Log in to the Intuity Audix LX R2.0 system

Procedure

- 1. Open a PuTTY window.
- 2. Select SSH.
- 3. In the Host Name (or IP address) field, type the IP address of the INTUITY AUDIX LX R2.0server.
- 4. Log in as craft.
- 5. For [ialx2]:craft>, type sroot.
- 6. For TERM = [vt100]?, press Enter.
- 7. For [ialx2], type Fc.

The system displays the Intuity Main Menu screen.

Creating a Test Mailbox on the Intuity Audix LX server **Procedure**

- 1. Before you create the backup, create a test mailbox on the Intuity Audix LX server.
- 2. In the command line window, to add a subscriber, type add subscriber.



To go to the next page, use the key combination **Control+N**.

- 3. On page 1, provide basic details for the new subscriber. Confirm the extension range before assigning one to the subscriber.
- 4. Go to page 2. In the **Permissions > Type** field, type call-answer. This sets the type of call answer for the subscriber.
- 5. In **Permissions > Announcement Control** field, enter y to record names.

- 6. Save the settings. The test mailbox is added to the list of existing mailboxes.
 - To confirm the test mailbox has been added, on the Audix Administration page, type list subscribers and press **Enter**. The system displays the list of subscribers.
- 7. Use the Telephone User Interface (TUI) to record names and greetings. Use another mailbox to send messages to the test mailbox.

Backing up data from the Intuity Audix LX system

Procedure

- 1. Open a compatible Web browser and type the IP address of the Intuity Audix LX system.
- 2. Log in as craft.
- 3. On the Legend, select **Backup / Restore > Backup**.
- 4. Enter **Yes** for all data types except Announcements.
- 5. Click Start Backup.

Transferring migration data to the services laptop

Before you begin

Change your laptop network settings to use an IP address on the customers network.

Plug a straight cable into a hub or router port, and then connect to the server using FTP connection to get the tar files.

- 1. On the services laptop, click **Start > Run**, and type cmd.
- 2. On the prompt, type ftp *IPaddressoftheftpserver*.
- 3. Type Binary.
- 4. Type Hash.
- 5. Type 1s. All files in the directory are displayed.
- 6. Identify the file that you backed up and type cd directoryname to change the directory.
- 7. Type 1s to view files under the main backup file.
- 8. If you backed up files in a subdirectory, type cd subdirectoryname.
- 9. Type 1s to view the files under the subfolder.
- 10. Type get tarfilename. The file is copied to the services laptop.

11. Type bye to log out of Unix.

Next steps

Once the files are on the services laptop, change the network settings back to DHCP.

Use a crossover cable and connect to the services port on the Communication Manager Messaging server.

Clearing the ARP cache on the laptop

About this task

Depending on the operating system of your Services laptop computer, you might need to clear the Address Resolution Protocol (ARP) cache before you enter a new IP address. If you enter an IP address and your computer cannot connect, perform the following procedure to clear the cache.

- 1. On your computer laptop, click **Start > Run**.
- 2. Type command and press Enter to open an MS-DOS command line window.
- 3. Type arp -d 192.11.13.6 and press Enter to clear the ARP cache in the laptop.

 If the ARP cache does not contain the specified IP address, the message The specified entry was not found appears. You can ignore this message.
- 4. Type exit and press Enter to close the command line window.

Chapter 4: Installing Communication Manager Messaging R6.3

System Platform Installation for Communication Manager Messaging R6.3

See the *Installing and Configuring Communication Manager Release 6.3* book to install System Platform and to install the Communication Manager template. Communication Manager Messaging is installed as part of the installation of the Communication Manager template.

Communication Manager Messaging solution template installation

Prerequisite

You need to install the license for Communication Manager and Communication Manager Messaging.

Refer to the *Implementing Avaya Aura*[™] *Communication Manager Messaging* book to install the Communication Manager Messaging solution template.

Chapter 5: Migrating backup data to the Communication Manager Messaging server

Copying files to the server

About this task

Use the Web interface of the System Management Interface to copy the latest RFUs, if any, and optional languages, if any, from the Services laptop to the virtual system. The backup tar files need to be copied from the laptop to the Messaging server.

Procedure

- 1. Select Administration.
- 2. Click Server (Maintenance).
- 3. In the navigation pane, select **Miscellaneous**, click **Download Files**.
- 4. Select one of the following:
 - File(s) to download from the machine I'm using to connect to the server
 - File(s) to download from the LAN using URLs
 - a. Enter the name of the proxy server.
- 5. Click **Browse** to locate the file(s).
- 6. Click **Download** to copy the files to the media server.

Stopping Communication Manager Messaging

Procedure

Select Administration, click Messaging.

The system displays the Messaging Administration screen.

2. On the left navigation pane, select **Utilities**, select **Stop Messaging**.

The system displays the Stop Messaging Software screen.

3. Click Stop.

The Stop Messaging Software screen displays the status as messaging begins to stop. When Messaging stops, the screen displays the message, Stop of voice system completed at the top of the screen.

Migrating Intuity Audix LX data to Communication Manager Messaging R6.3

Procedure

- 1. Open a PuTTy window.
- 2. Ensure that in the **Category** column, **Session** (first on the column) is selected by default.
- 3. In the **Host Name (or IP address)** field, enter the name of the server name or IP address you want to connect to.
- 4. In the **Connection** type field, select **ssh**. ssh uses port 22.
- 5. Click Open.
- 6. Log in using craft.
- 7. Type statapp -c to check if the messaging process is up.
- 8. If the messaging process is up, stop messaging by typing stop -s Audix.
- 9. In the ssh session, enter /vs/bin/mv_backup_files, to move the backup tar files from ~ftp/pub into a temporary folder.
- 10. Log in to the Communication Manager System Management Interface Web interface.
- 11. Select Miscellaneous > Messaging Administration.
- 12. Select **Start Messaging**. The database conversion begins automatically.
- In the ssh session window, type cd /migrate/ialx/log.
- 14. Execute tail -f migration_log.

Watch the database migration proceed. When this log stops growing and you see a line containing <code>Executing.ia_restore -f /var/ backup/lx_messaging-1.tar</code> (multiple tar files are displayed in the log when the backup contains multiple files), the next phase of the migration is underway.

- 15. Type control-c to abort the tail command.
- 16. Type tail -f restore_log to monitor the progress of the database restore and upgrade.

This log also shows the status of transcoding names and messages from Code excited linear prediction (CELP) to G.711. After transcoding is complete, the database is upgraded to the

current release. When this log stops growing and you see a line with the phrase <code>Executing /mtce/scripts/restore/S10checkfs.postpost</code>, the restore is finished and the migration continues.

- 17. Type control-c to abort the tail command.
- 18. Type tail -f migration log and you can monitor the final phase of the migration.

When this log stops growing and you see a line containing The migration has completed, it means migration is finished and messaging starts automatically.

19. Type control-c to abort the tail command.

Important:

You might need to wait a few minutes before Messaging starts automatically.

Testing if Migration is successful

Procedure

- 1. Log in to the Communication Manager System Management Web Interface.
- 2. Select Administration > Messaging.
- 3. Select Messaging Administration > Subscriber Management.
- 4. Click **Manage** on the Local Subscribers row to find the migrated test mailbox listed as Local Subscribers.
- 5. Confirm what data has been successfully migrated. For example, call the test mailbox extension to listen to the greeting that you created. Furthermore, you can listen to messages on the mailbox that you created while creating the test mailbox.

Important:

During migration, most of the system administration data is not migrated. Avaya recommends that you revalidate the system administration after the migration is complete. For example, you must revalidate System-Parameters Features, System Out calling.

Restarting the system

Procedure

1. Open a compatible Internet browser on your computer.

Currently System Management Interface only supports Microsoft Internet Explorer 7.0, 8.0 and Mozilla Firefox 3.6 and above.

- 2. Enter the IP address of the Communication Manager virtual machine.
- 3. On the System Management Interface Web page, select **Administration**.
- 4. Click Server (Maintenance).
- In the navigation pane, click Server > Shutdown Server.
 The system displays the Shutdown This Server Web page.
- 6. Select Immediate Shutdown.
- 7. Select the **Restart server after shutdown** check box.
- 8. Click **Shutdown**.

The Communication Manager virtual machine restarts. The server takes approximately 10 to 15 minutes to restart.

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