

**Lucent Technologies**  
Bell Labs Innovations



# **INTUITY™ Interchange**

Release 5.2

System Upgrades  
and Software Updates

585-313-810  
Comcode 108309378  
Issue 1  
September 1998

## Notice

Every effort was made to ensure that the information in this book was complete and accurate at the time of printing. However, information is subject to change.

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**Part 68: Network Registration Number.** This equipment is registered with the FCC in accordance with Part 68 of the FCC Rules. It is identified by FCC registration number.

**Part 68: Answer-Supervision Signaling.** Allowing this equipment to be operated in a manner that does not provide proper answer-supervision signaling is in violation of Part 68 Rules. This equipment returns answer-supervision signals to the public switched network when:

- Answered by the called station
- Answered by the attendant
- Routed to a recorded announcement that can be administered by the CPE user

This equipment returns answer-supervision signals on all DID calls forwarded back to the public switched telephone network. Permissible exceptions are:

- A call is unanswered
- A busy tone is received
- A reorder tone is received

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EMC Directive 89/336/EEC  
Low-Voltage Directive 73/23/EEC

## Comments

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# About This Document

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## Purpose

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This book, "[Intuity™ Interchange Release 5.2 System Upgrades and Software Updates](#)", contains checklists and procedures for upgrading the Lucent INTUITY™ Interchange system. It contains *only* information that is specific to the INTUITY Interchange system.

## Intended Audiences

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This book is intended primarily for the personnel responsible for upgrades for the INTUITY Interchange system.

## Release History

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This is the first release of this book.

## Conventions Used in This Book

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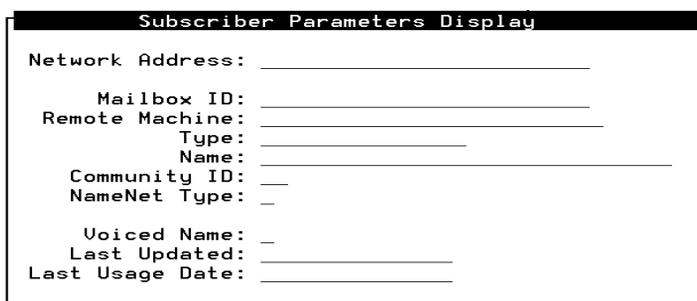
This section describes the conventions used in this book.

## Terminology

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- The word "type" means to press the key or sequence of keys specified. For example, an instruction to type the letter "y" is shown as  
Type **y** to continue.

- The word “enter” means to type a value and then press **ENTER**. For example, an instruction to type the letter “y” and press **ENTER** is shown as  
 Enter **y** to continue.
- The word “select” means to move the cursor to the desired menu item and then press **ENTER**. For example, an instruction to move the cursor to the start test option on the Network Loop-Around Test screen and then press **ENTER** is shown as  
 Select Start Test.
- The INTUITY Interchange system displays *windows and menus*. “Windows” show and request system information ([Figure 1](#)). “Menus” ([Figure 2](#)) present options from which you can choose to view another menu, or a screen or window.
- The words “subscriber” and “user” are interchangeable terms that describe a person administered on the INTUITY Interchange system. The word “user” is the preferred term in the text; however, “subscriber” appears on most of the screens.



**Figure 1. Example of an INTUITY Interchange Window**



**Figure 2. Example of an INTUITY Interchange Menu**

## Terminal Keys

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- Keys that you press on your *terminal or PC* are represented as rounded boxes. For example, an instruction to press the enter key is shown as

Press **ENTER**.

- Two or three keys that you press at the same time on your *terminal or PC* (that is, you hold down the first key while pressing the second and/or third key) are represented as a series of separate rounded boxes. For example, an instruction to press and hold **ALT** while typing the letter “d” is shown as

Press **ALT** **D**.

- Function keys on your terminal, PC, or system screens, also known as *soft keys*, are represented as round boxes followed by the function or value of that key enclosed in parentheses. For example, an instruction to press function key 2 is shown as

Press **F2** (Choices).

- Keys that you press on your *telephone keypad* are represented as square boxes. For example, an instruction to press the first key on your telephone keypad is shown as

Press **1** to record a message.

## Screen Displays

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- Values, system messages, field names, and prompts that appear on the screen are shown in typewriter-style `constant-width` type, as shown in the following examples:

Example 1:

```
Enter the number of ports to be dedicated to outbound traffic in the
Maximum Simultaneous Ports field.
```

Example 2:

```
Alarm Form Update was successful.
Press <Enter> to continue.
```

- The sequence of menu options that you must select to display a specific screen or submenu is shown as follows:

Start at the Lucent INTUITY Administration menu and select

```
> INTUITY Interchange Administration
```

```
> Subscriber Administration
```

In this example, you would access the Lucent INTUITY Administration menu and select the INTUITY Interchange Administration menu. From the INTUITY Interchange Administration menu, you would then select the Subscriber Administration screen.

- Screens shown in this book are examples only. The screens you see on your machine will be similar, but not exactly the same.

## Other Typography

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- Commands and text you type in or enter appear in **bold type**, as in the following example:

Type **high** or **low** in the `Speed:` field.

- Command variables are shown in **bold italic** type when they are part of what you must type in and *regular italic* type when they are not, for example

Enter **ch ma *machine\_name***, where *machine\_name* is the name of the call delivery machine you just created.

## Safety and Security Alert Labels

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This book uses the following symbols to call your attention to potential problems that could cause personal injury, damage to equipment, loss of data, service interruptions, or breaches of toll fraud security:

### CAUTION:

*Indicates the presence of a hazard that if not avoided can or will cause minor personal injury or property damage, including loss of data.*

### WARNING:

*Indicates the presence of a hazard that if not avoided can cause death or severe personal injury.*

### DANGER:

*Indicates the presence of a hazard that if not avoided will cause death or severe personal injury.*

## How to Use This Book

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This book is organized into the following sections:

- [Chapter 1, "Intuity Interchange System Software Update Checklist"](#), contains a checklist for upgrading Lucent INTUITY™ Interchange system software.

- [Chapter 2, “Updating Intuity Interchange Software Procedures”](#), describes the procedures for upgrading INTUITY Interchange software.
- [Chapter 3, “Verifying an Intuity Interchange Software Update”](#), contains information for verifying the software upgrade of the INTUITY Interchange.
- [Chapter 4, “Intuity Interchange Release 5.1 System Upgrade Checklist”](#), contains a checklist for upgrading an INTUITY Interchange Release 5.0 MAP/100 system to a Release 5.1 MAP/100P system.
- [Chapter 5, “Intuity Interchange Release 5.1 System Upgrade Procedures”](#), describes the procedures for upgrading an INTUITY Interchange Release 5.0 MAP/100 system to a Release 5.1 MAP/100P system.
- [Chapter 6, “Verifying an Intuity Interchange Release 5.1 MAP/100P Upgrade”](#), contains information for verifying the Release 5.1 MAP/100P platform and software upgrade of an INTUITY Interchange.
- [Chapter 7, “Intuity Interchange Release 5.2 Software Update Checklist”](#), contains a checklist for upgrading an INTUITY Interchange Release 5.1 system to a Release 5.2 system.
- [Chapter 8, “Intuity Interchange Release 5.2 Software Update Procedures”](#), describes the procedures for upgrading an INTUITY Interchange Release 5.1 system. to a Release 5.2 system.
- [Chapter 9, “Verifying an Intuity Interchange Release 5.2 Software Update”](#), contains information for verifying the Release 5.2 upgrade of an INTUITY Interchange.

## Related Resources

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This section describes additional documentation and training available for you to learn more about upgrading and migrating of the Lucent INTUITY product.

## Documentation

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### NOTE:

The *Lucent INTUITY™ Documentation Guide*, 585-310-540, contains a detailed description of all books included in the Release 4.x Lucent INTUITY documentation library. Always see the appropriate book for specific information on planning, installing, administering, or maintaining a Lucent INTUITY system.

It is suggested that you obtain and use the following books in conjunction with this book:

- *Lucent INTUITY™ Messaging Solutions Release 4 Change Description and Upgrade Planning*, 585-310-607, for information on the process needed for upgrading the INTUITY Messaging Solutions Release 4 system.

- *Lucent INTUITY™ Messaging Solutions Release 4 Upgrade Procedures, 585-310-168*, for the procedures needed for upgrading the INTUITY Messaging Solutions Release 4 system.

It is suggested that you obtain and use the following book for information on security and toll fraud issues:

- *BCS Products Security Handbook, 555-025-600*

See the inside front cover for information on how to order Lucent INTUITY documentation.

## **Training**

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For information on Lucent INTUITY training, call the BCS Education and Training Center at one of the following numbers:

- Organizations within Lucent: (904) 636-3261
- Lucent customers and all others: (800) 255-8988

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# 1

## INTUITY Interchange System Software Update Checklist

### What's in This Chapter?

This chapter contains a checklist for updating a Lucent INTUITY™ Interchange system with new INTUITY Interchange software.

### Software Update Checklist

[Table 1-1](#) provides a checklist for updating INTUITY Interchange system software.

**Table 1-1. INTUITY Interchange Software Update Checklist**

(√)	Task	Reference Documentation
	Back up system and voice data.	<a href="#">“Backing up System and Voice Data”</a> in <a href="#">Chapter 2, “Updating Intuity Interchange Software Procedures”</a>
	Stop the voice system.	<a href="#">“Stopping the Intuity Interchange Voice System”</a> in <a href="#">Chapter 2, “Updating Intuity Interchange Software Procedures”</a>
	Remove any existing platform utility, if necessary.	<a href="#">“Removing an Existing Intuity Interchange Platform Utility”</a> in <a href="#">Chapter 2, “Updating Intuity Interchange Software Procedures”</a>

*Continued on next page*

**Table 1-1. INTUITY Interchange Software Update Checklist — *Continued***

(√)	Task	Reference Documentation
	Install the new platform utility, if necessary.	<a href="#">“Installing the New Intuity Interchange Platform Utility”</a> in Chapter 2, <a href="#">“Updating Intuity Interchange Software Procedures”</a>
	Remove any existing INTUITY Interchange Application RFU, if necessary.	<a href="#">“Removing an Existing Intuity Interchange Application RFU”</a> in Chapter 2, <a href="#">“Updating Intuity Interchange Software Procedures”</a>
	Install the INTUITY Interchange application software.	<a href="#">“Installing the Intuity Interchange Application Software”</a> in Chapter 2, <a href="#">“Updating Intuity Interchange Software Procedures”</a>
	Install the INTUITY Interchange announcement set, if necessary.   <b>NOTE:</b> This procedure is only performed if the announcement set is being updated.	<a href="#">“Installing the Intuity Interchange Announcement Set”</a> in Chapter 2, <a href="#">“Updating Intuity Interchange Software Procedures”</a>
	Install the INTUITY Interchange Application RFU, if necessary.	<a href="#">“Installing the Intuity Interchange Application RFU”</a> in Chapter 2, <a href="#">“Updating Intuity Interchange Software Procedures”</a>
	Reboot the INTUITY Interchange system.	<a href="#">“Rebooting the Intuity Interchange System”</a> in Chapter 2, <a href="#">“Updating Intuity Interchange Software Procedures”</a>
	Verify the INTUITY Interchange software update.	Chapter 3, <a href="#">“Verifying an Intuity Interchange Software Update”</a>

# Updating INTUITY Interchange Software Procedures

# 2

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## What's in This Chapter?

This chapter describes the procedures for updating Lucent INTUITY™ Interchange software on the INTUITY Interchange systems.



**NOTE:**

The INTUITY Interchange must have UNIX 4.x, INTUITY AUDIX® Release 3.0 or greater and its associated packages installed before proceeding.

An update of the INTUITY Interchange software will include one or more of the following packages:

- INTUITY Interchange platform utilities
- INTUITY Interchange application software
- INTUITY Interchange announcement set
- INTUITY Interchange application remote field updates (RFU)

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## Backing up System and Voice Data

This back-up will take approximately 90 minutes to complete. The actual time will be determined by the total number of subscribers and voice names on the INTUITY Interchange database.

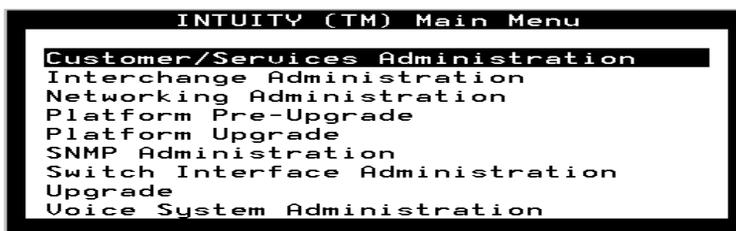
**⇒ NOTE:**

The back-up process will shut down the INTUITY Interchange system for the duration of the back-up. Once the back-up has been completed, the INTUITY Interchange will automatically restart.

Verify that the cartridge tape to be used for storing the back-up information is in the tape drive prior to executing this procedure.

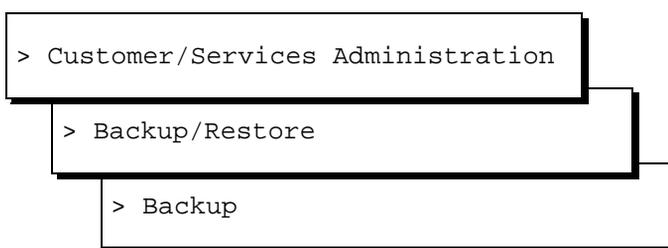
To initiate an on-demand back-up, do the following:

1. Log on to the INTUITY Interchange as **craft**.
2. Start at the Lucent INTUITY Administration menu ([Figure 2-1](#)).



**Figure 2-1. Lucent INTUITY Administration Menu**

3. Select



The system displays the Backup window ([Figure 2-2](#)).

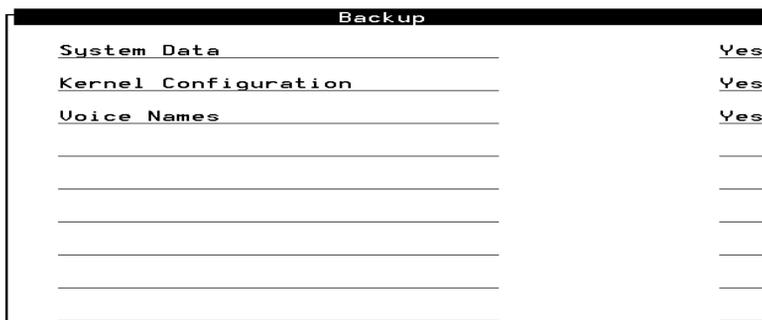


Figure 2-2. Backup Window



**NOTE:**

The fields displayed on the Backup window are based on your system's configuration. Therefore, your window may look different than the example shown above.

4. Enter y in all fields.
5. Press **F3** (Save).

The system calculates the number of tapes needed, and displays the following message:

the backup will need:  
x yy MB cartridge tape(s)



**NOTE:**

x is the number of tapes needed and yy is the size of the tapes needed.

The system verifies a backup tape by reading back the entire set of data written to the tape during the backup.

6. Insert the first cartridge tape into the tape drive.



**NOTE:**

If you insert an uninitialized tape, the system displays the message:

brand new tape(s) need to be initialized by using  
Format UNIX Floppy/Tape.

Press **ESC** and proceed to format the tapes.

The tape drive light is on while the back-up is in progress and various system messages will be displayed on the screen.

7. Press **(ENTER)** when the tape drive light goes off.

If you are prompted for another tape, remove the current tape from the tape drive, label it with the current date and type of back-up data on the tape, then insert a new tape.

When the backup is complete, the system displays the following message:

```
backup process has been completed successfully  
press any key to continue
```

8. Press **(ENTER)**.
9. Press **(F6)** (Cancel) until you exit the system.
10. Follow the procedures listed in ["Successful Back-up Verification"](#) to verify that the back-up has completed successfully.

## Successful Back-up Verification

To verify that the back-up was successful, do the following:

1. Log on to the INTUITY system as **sa**.

The system displays the Lucent INTUITY™ Administration menu ([Figure 2-1](#)).

2. Select

```
> Customer/Services Administration  
>Log Administration  
> Administrator's Log
```

The system displays the Administrator's Log Display Selection screen ([Figure 2-3](#)).

**Figure 2-3. Administrator's Log Display Selection Screen**

3. Enter today's date in the `Start Date` field.
4. Press `TAB` until you reach the `Event ID` field.
5. Enter `BKRST001` in the `Event ID` field.
6. Press `F3` (Save).

The system displays the Administrator's Log ([Figure 2-4](#)).

Date	Time	App	Event ID	Cnt	Message
03/03/98	04:00				Backup process has completed successfully

**Figure 2-4. Administrator's Log**

7. Verify that there is an entry with the current date and the following text:  
Backup process has been completed successfully.
8. Press `F6` (Cancel) until you exit the system.
9. Continue with the next procedure, "[Stopping the Intuity Interchange Voice System](#)".

## Stopping the INTUITY Interchange Voice System

---

To stop the INTUITY Interchange voice system, do the following:

1. Log into the INTUITY Interchange as **craft**.

The system displays the Lucent INTUITY Administration menu ([Figure 3-1](#)).

2. Select

```
> Customer/Services Administration
> System Management
> System Control
> Stop Voice System
```

The system displays the following:

Wait Time seconds (60-600):

3. Enter the number of seconds until the voice system is to be stopped.
4. Press **F3** (Save).

The system waits until all calls in progress disconnect before stopping the voice system and then displays the following message:

The Voice System has stopped.  
Press "Enter" to continue.

5. Press **ENTER**.
6. Press **F6** (Cancel) until you return to the System Management menu.
7. Continue with the next procedure, "[Removing an Existing Intuity Interchange Platform Utility](#)".

## Removing an Existing INTUITY Interchange Platform Utility

---

Before installing a new INTUITY Interchange platform utility, and any existing platform utility must be removed.

To remove an existing platform utility, do the following:

2 Updating INTUITY Interchange Software Procedures  
Removing an Existing INTUITY Interchange Platform Utility

1. Starting at the System Management menu, select

```
> UNIX Management
>Software Remove
```

The system displays the Software Remove screen (Figure 2-5) which lists the software installed on the system.

```
The following packages are available:
 1 EMM-RFU      PT$ EMM platform RFU+B
   (486) 1.0
 2 INTUNIX     UNIX SUR4.2 Enhancement Set - Update G
   (486) Rel. 2 of Indep UNIX, USL SUR4.2.3
 3 IUC6DI      Lucent Intuity IUC6 Device Interface for softFAX 2.0
   (x86sur4_ints1) 2.0.07.32
 4 OSmods      Intuity Operating System Modifications Module
   (486) 3.0-42e
 5 UMset       Intuity AUDIX software set
   (486) 3.0-18e
 6 aag         Intuity Interchange AAG Package
   (486) 1.20
 7 acp         Enhanced Application Compatibility
   (386) 1
 8 admin       Administration Set
   (386) 1
 9 adscfix     UNIX SUR4.2 ADSC Driver Patch - Update G
   (486) Rel. 2 of Indep UNIX, USL SUR4.2.3, ver. 1
10 audfs       AUDIX File system
   (MFB) R1.1
... 65 more menu choices to follow;
<RETURN> for more choices, <CTRL-D> to stop display:
```

**Figure 2-5. Software Remove Screen**

**NOTE:**

Figure 2-5 is an example only. The display of software installed on your system may not be the same as shown in this example.

2. Locate the existing INTUITY Interchange platform utility (ichgplat).
3. Note the number of the platform utility, located in the first column of the Software Remove screen (Figure 2-5).

If there is no platform utility listed, enter **q** to quit and press **F6** (Cancel) until you return to the Customer/Services Administration menu. Continue with the procedure, [“Installing the New Intuity Interchange Platform Utility”](#).

4. Press **CTRL D**.

The system displays the following message:

```
Select package(s) you wish to process (or 'all' to
process all packages). (default: all) [?,??,q]
```

5. Enter the number of the platform utility package.

The system displays the name and version number for the package selected.

6. Enter **y**

If the system displays any messages warning of dependencies, enter **y** again to continue with the software removal.

7. Press **(ENTER)**.

8. Press **(F6)** (Cancel) until you return to the Customer/Services Administration menu.

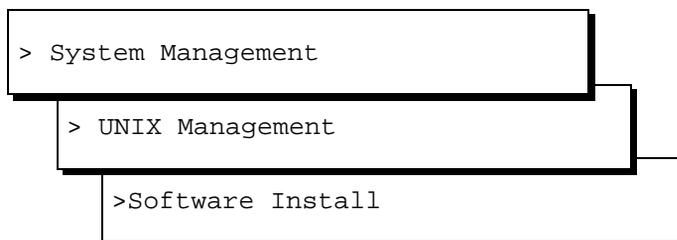
9. Continue with the next procedure, [“Installing the New Intuity Interchange Platform Utility”](#).

## Installing the New INTUITY Interchange Platform Utility

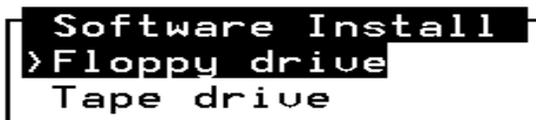
---

To install the INTUITY Interchange platform utility, do the following:

1. Start at the Customer/Services Administration menu and select



The system displays the Software Install menu ([Figure 2-6](#)).



**Figure 2-6. Software Install Menu**

2. Insert the tape labeled “INTUITY Interchange Platform Utilities for Release X-X.”
3. Select **Tape drive**.

The system displays the following message:

2 Updating INTUITY Interchange Software Procedures

Removing an Existing INTUITY Interchange Application RFU

23

Insert a cartridge tape into Tape Drive 1.  
Type [go] when ready  
or [q] to quit: (default: go)

4. Press **(ENTER)**.

The system displays the following message:

```
Processing of <Intuity Interchange Platform Utilities
(ichgplat)> is completed.
```

Insert a cartridge tape into Tape Drive 1.  
Type [go] when ready  
or [q] to quit: (default: go)

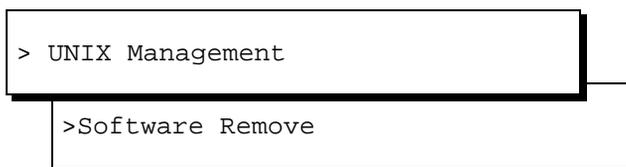
5. Enter **q**
6. Remove the tape from the tape drive.
7. Press **(F6)** (Cancel) until you return to the System Management menu.
8. Continue with the procedure, [“Removing an Existing Intuity Interchange Application RFU”](#).

## Removing an Existing INTUITY Interchange Application RFU

Before installing a new INTUITY Interchange application RFU, and any existing INTUITY Interchange application RFU must be removed.

To remove an existing INTUITY Interchange application RFU, do the following:

1. Starting at the System Management menu, select



The system displays the Software Remove screen ([Figure 2-5](#)).

2. Locate the existing INTUITY Interchange application RFU (*ichg+X*).
3. Note the number of the RFU, located in the first column of the Software Remove screen ([Figure 2-5](#)).

If there is no RFU listed, enter **q** to quit and continue with the next procedure, [“Installing the Intuity Interchange Application RFU”](#).

4. Press **(CTRL) (D)**.

The system displays the following message:

```
Select package(s) you wish to process (or 'all' to
process all packages). (default: all) [?,??,q]
```

5. Enter the number of the RFU.

The system displays the name and version number for the package selected.

6. Enter **y**

**⇒ NOTE:**

If the system displays any messages warning of dependencies, enter **y** again to continue with the software removal.

7. Press **(ENTER)**.
8. Press **(F6)** (Cancel) until you return to the UNIX Management menu.
9. Continue with the next procedure, [“Installing the Intuity Interchange Application RFU”](#).

## Installing the INTUITY Interchange Application Software

---

To install the INTUITY Interchange application software, do the following:

1. Starting at the UNIX Management menu, select

```
>Software Install
```

The system displays the Software Install menu ([Figure 2-6](#)).

2. Insert the tape labeled “INTUITY Interchange Software Set” into the tape drive.
3. Select Tape drive.

The system displays the following message:

```
Insert a cartridge tape into Tape Drive 1.  
Type [go] when ready  
or [q] to quit: (default: go)
```

4. Press **(ENTER)**.

The system displays the following message:

```
Installation in progress. Do not remove the cartridge  
The following pkgs are available:
```

```
1 Intuity Interchange Software Set  
(INTERCHANGE) 5.x.x
```

```
Select package(s) you wish to process (or 'all' to  
process all packages). (default: all) [?,??,q]
```

5. Enter **1**

The system displays the following message:

```
Intuity Interchange Software Set  
(INTERCHANGE) 5.x.x  
Using </> as the package base directory
```

Select type of installation:

- 1) All Packages - Installs Software and Initial Database
- 2) Software Only - Installs only the Software
- 3) Interchange Announcement Sets
- 4) Setup Oracle for Interchange
- 5) Custom Installation
- 6) Quit Installation

Select (1-6):

6. Enter **2**

**⇒ NOTE:**

A number of messages will appear indicating various packages being installed and conversions being executed. None of these messages requires input.

Once the system has completed installing the software, it will display the following message:

```
Processing of <INTUITY Interchange Software Set> is  
completed.
```

```
Insert a cartridge tape into Tape Drive 1.  
Type [go] when ready  
or [q] to quit: (default: go)
```

7. Enter **q**

8. If updating the announcement set, continue with the next procedure, [“Installing the Intuity Interchange Announcement Set”](#).

If *not* updating the announcement set, and you received a tape labeled “Remote Field Update for INTERCHANGE”, press **F6** (Cancel) until you return to the System Management menu and continue with the next procedure, [“Installing the Intuity Interchange Application RFU”](#).

If you did not receive this tape, press **F6** (Cancel) until you return to the System Management menu and continue with the procedure [“Rebooting the Intuity Interchange System”](#).

## Installing the INTUITY Interchange Announcement Set

---

To install the INTUITY Interchange announcement set, do the following:

1. With the tape labeled "INTUITY Interchange Software Set" still in the tape drive, press **ENTER**.

The system displays the following message:

```
Installation in progress. Do not remove the cartridge
```

```
The following pkgs are available:
```

```
1   interchg Intuity Interchange Software Set
      (486) ichg5.0-3.x
```

```
Select package(s) you wish to process (or 'all' to
process all packages). (default: all) [?,??,q]
```

2. Enter **1**

The system displays the following message:

```
Select type of installation:
```

```
1) All Packages - Installs Software and Initial
   Database
2) Software Only - Installs only the Software
3) Interchange Announcement Sets
4) Setup Oracle for Interchange
5) Custom Installation
6) Quit Installation
Select (1-6):
```

3. Enter **3**

### **NOTE:**

A number of messages will appear indicating various packages being installed and conversions being executed. None of these messages requires input.

Once the system has completed installing the announcement set, it will display the following message:

```
Processing of <Intuity Interchange Software Set> is
completed.
```

```
Insert a cartridge tape into Tape Drive 1.
Type [go] when ready
or [q] to quit: (default: go)
```

4. Enter **q**
5. Remove the tape labeled "INTUITY Interchange Software Set" from the tape drive.

6. Press **F6** (Cancel) until you return to the System Management menu.
7. If you received a tape labeled "Remote Field Update for INTERCHANGE", continue with the next procedure, ["Installing the Intuity Interchange Application RFU"](#).

If you did not receive this tape, continue with the procedure, ["Rebooting the Intuity Interchange System"](#).

## Installing the INTUITY Interchange Application RFU

---

### ⇒ NOTE:

This procedure is to be completed only if you received a tape labeled "Remote Field Update for INTERCHANGE".

To install the INTUITY Interchange application RFU, do the following:

1. Starting at the System Management menu, select

```
> UNIX Management
```

```
>Software Install
```

2. Insert the tape labeled "Remote Field Update for INTERCHANGE."
3. Select Tape drive.

The system displays the following message:

```
Insert a cartridge tape into Tape Drive 1.  
Type [go] when ready  
or [q] to quit: (default: go)
```

4. Press **ENTER**.

The system displays the following message:

```
Installation in progress. Do not remove the cartridge  
The following pkgs are available:  
1  ichg+x  Remote Field Update for INTERCHANGE
```

```
Select package(s) you wish to process (or 'all' to  
process all packages). (default: all) [?,??,q]
```

5. Press **ENTER**.

The system displays the following message:

```
Processing of <Remote Field Update for INTERCHANGE> is
completed.
```

```
Insert a cartridge tape into Tape Drive 1.
```

```
Type [go] when ready
```

```
or [q] to quit: (default: go)
```

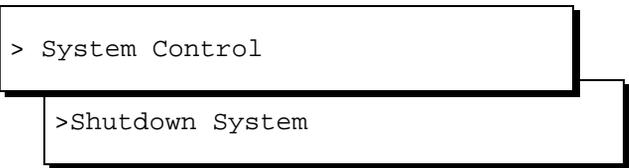
6. Enter **q**
7. Remove the tape labeled "Remote Field Update for INTERCHANGE " from the tape drive.
8. Press **F6** (Cancel) until you return to the System Management menu.
9. Continue with the next procedure, ["Rebooting the Intuity Interchange System"](#).

## Rebooting the INTUITY Interchange System

---

Once the software update is complete, the INTUITY Interchange system must be rebooted. To reboot the system, do the following:

1. Starting at the System Start at the System Management menu, and select



```
> System Control
>Shutdown System
```

The system displays the following:

```
Wait Time seconds (0-60):
```

2. Enter the number of seconds until the system is to be shut down.
3. Press **F3** (Save).

The system displays the following message:

```
Shutdown started.
```

When the system is completely shut down, the system displays the following message:

```
The system is down.
```

```
Press Ctrl-Alt-Del to reboot your computer.
```

4. Press **CTRL** **ALT** **DELETE**.

The system performs a power-on self test (POST). The screen lists various hardware components and the status of the tests performed on those components.

 **NOTE:**

The system will display the following message during the reboot:

```
The UNIX operating system kernel will now be
rebuilt to incorporate recent configuration
changes.
```

```
Strike ENTER when ready or Esc to stop.
```

You do *not* have to take action to continue the shutdown.

Once the shutdown has been completed, the system displays the following prompt:

```
Startup of the Voice System is complete.
Console Login:
```

5. The INTUITY Interchange software update is now complete.
6. Verify that the INTUITY Interchange software update has been successful. See [Chapter 3, "Verifying an Intuity Interchange Software Update"](#).

**2** Updating INTUITY Interchange Software Procedures  
*Rebooting the INTUITY Interchange System*

30

# Verifying an INTUITY Interchange Software Update

# 3

## What's in This Chapter?

---

This chapter contains information for verifying the system software update of the Lucent INTUITY™ Interchange. Use the procedures in this chapter to verify that all necessary updated software has been installed on the INTUITY Interchange.

## INTUITY Interchange Software Update Verification

---

To verify the updated software installation of the INTUITY Interchange, do the following:

1. Log into the INTUITY Interchange system as **craft**.
2. Start at the INTUITY Administration menu ([Figure 2-1](#)) and select

```
> Customer/Services Administration
```

```
> System Verification
```

```
> View Installed Software
```

The system displays the View Installed Software screen. Use **F2** (Next Page) and **F3** (Prev Page) to move through the View Installed Software screen.

```

View Installed Software

Displaying pkginfo (long version) for only the application
packages...

Displaying pkginfo for package Uex

  PKGINST: Uex
    NAME: Intuity Application Software Set
  CATEGORY: set
    ARCH: 486
  VERSION: 3.0-38
  PSTAMP: 3.38.0 R3.0 IP38 Tue Jul 11 10:22:32 EDT 1995
    
```

**Figure 3-1. Sample View Installed Software Screen**

3. Locate the following packages in the View Installed Software screen:

**⇒ NOTE:**

The order of the packages vary in the View Installed Software screen. These packages do not necessarily appear in the order listed below.

- INTUITY AUDIX Application Software
  - netw
  - platupg
  - sdialer
  - tcpadm
  - upgrade
- Oracle Software
  - ORACLEset
- INTUITY Interchange Application Software
  - aag
  - ichg
  - ic\_us-eng
  - icdfldb
  - icdfldb (MAP/5P only)
  - icftp
  - ichgftp
  - ichgsnmp
  - ichgupgr
  - icswrule
  - jamrt
  - mmd
  - mmdfdb

octelnet  
radutl  
sce  
setupora

- INTUITY Interchange Switch Software

dciutism  
or  
slibtism  
or  
vbptism

## Verifying Feature Options

---

The feature options configuration for the new INTUITY Interchange system should contain all of the previous release's feature options, as well as any new features purchased.

**⇒ NOTE:**

Only certified Lucent personnel can change options in this window, but it can be displayed for informational purposes. If new feature options were purchased, but are not displayed correctly on the Feature Option window ([Figure 3-2](#)), contact enhanced services.

To verify feature options, do the following:

1. Start at the Lucent INTUITY main menu ([Figure 2-1](#)).
2. Select

```
> Customer/Services Administration
> Feature Options
```

The system displays the Feature Options (Read Only) window ([Figure 3-2](#)).

Feature Options (Read Only)		
Feature Option	Current	Maximum
Call Detail Recording (CDR)	ON	N/A
Enterprise Lists Administration	ON	N/A
High speed digital ports	6	12
Low speed digital ports	6	12
Max Number of OctelNet Nodes	10	500
Maximum Number of AMIS Nodes	100	500
Maximum Number of Digital Nodes	100	500
SCSI Disk Mirroring	ON	N/A
SNMP	ON	N/A
TCP/IP Administration	ON	N/A
TCPIP digital ports	4	12
Text-to-Speech Sessions	0	4
hours_of_speech	292	430
voice_ports	12	12

**Figure 3-2. Feature Options (Read Only) Window**

[Table 3-1](#) describes the feature options in this window that apply to the INTUITY Interchange Release 5.2 system.

**Table 3-1. Feature Option (Read Only) Window Field Descriptions**

Feature Option	Current	Maximum
Call Detail Recording (CDR)	ON or OFF; indicates whether CDR has been purchased.	N/A
Enterprise Lists Administration	ON or OFF; indicates whether Enterprise Lists was purchased.	N/A
High speed digital ports	Number of high speed INTUITY AUDIX® digital networking (DCP) ports.	12
Low speed digital ports	Number of low speed INTUITY AUDIX® digital networking (DCP) ports.	12

*Continued on next page*

**Table 3-1. Feature Option (Read Only) Window Field Descriptions**  
— *Continued*

Feature Option	Current	Maximum
Max Number of OctelNet Nodes	Number of remote OctelNet analog machines connected to the INTUITY Interchange.	500  ⇒ <b>NOTE:</b> The sum of this field, the Maximum Number of AMIS Nodes, and the Maximum Number of Digital Nodes field must <i>not</i> exceed 500.
Maximum Number of AMIS Nodes	Number of remote AMIS analog machines connected to the INTUITY Interchange.	500  ⇒ <b>NOTE:</b> The sum of this field, the Max Number of OctelNet Nodes, and the Maximum Number of Digital Nodes field must <i>not</i> exceed 500.
Maximum Number of Digital Nodes	Number of remote digital machines connected to this INTUITY Interchange.	500  ⇒ <b>NOTE:</b> The sum of this field, the Max Number of OctelNet Nodes, and the Maximum Number of AMIS Nodes field must <i>not</i> exceed 500.
SCSI Disk Mirroring	ON for MAP/100P systems  OFF for MAP/5P systems	N/A
SNMP	ON or OFF; indicates whether SNMP was purchased.	N/A
TCP/IP Administration	ON or OFF; indicates whether TCP/IP was purchased.	
TCPIP digital ports	Number of digital ports purchased.	12

*Continued on next page*

**Table 3-1. Feature Option (Read Only) Window Field Descriptions**  
— *Continued*

Feature Option	Current	Maximum
Text-to-Speech Sessions	Number of text-to-speech sessions purchased.	4
hours_of_speech	Number of hours of speech on the INTUITY Interchange system's hard disks.   <b>NOTE:</b> For a MAP/100P system, the number of hours is 285. For a MAP/5P system, the number of hours is 200.	430
voice_ports	Number of analog ports on the INTUITY Interchange.	12

3. Press **(F6)** (Cancel) to return to the Lucent INTUITY Administration menu ([Figure 2-1](#)).

# 4

## INTUITY Interchange Release 5.1 System Upgrade Checklist

### What's in This Chapter?

This chapter contains a checklist for upgrading a Lucent INTUITY™ Interchange Release 5.0 MAP/100 system to a Release 5.1 MAP/100P system. It should be used in conjunction with the procedures in [Chapter 5, "Intuity Interchange Release 5.1 System Upgrade Procedures"](#).

## INTUITY Interchange Release 5.1 System Upgrade Checklist

[Table 4-1](#) provides a checklist for upgrading an existing INTUITY Interchange Release 5.0 MAP/100 system to a new INTUITY Interchange Release 5.1 MAP/100P system.

**Table 4-1. INTUITY Interchange Release 5.1 System Upgrade Checklist**

(√)	Task	Reference Documentation
	Back-up the INTUITY Interchange Release 5.0 MAP/100 system.	<a href="#">"Backing up the Intuity Interchange Release 5.0 MAP/100 System"</a> in <a href="#">Chapter 5, "Intuity Interchange Release 5.1 System Upgrade Procedures"</a>

*Continued on next page*

**Table 4-1. INTUITY Interchange Release 5.1 System Upgrade Checklist**  
— *Continued*

(√)	Task	Reference Documentation
	Stop the INTUITY Interchange Release 5.0 MAP/100 voice system.	<a href="#">“Stopping the Intuity Interchange Release 5.0 MAP/100 Voice System”</a> in Chapter 5, <a href="#">“Intuity Interchange Release 5.1 System Upgrade Procedures”</a>
	Install INTUITY Interchange Release 5.0 software update.	<a href="#">“Installing Intuity Interchange Release 5.0 Migration Software”</a> in Chapter 5, <a href="#">“Intuity Interchange Release 5.1 System Upgrade Procedures”</a>
	Install the INTUITY Interchange software update on the INTUITY Interchange Release 5.1 MAP/100P platform.	<a href="#">“Installing Intuity Interchange Release 5.1 Migration Software”</a> in Chapter 5, <a href="#">“Intuity Interchange Release 5.1 System Upgrade Procedures”</a>
	Move the cables from the INTUITY Interchange Release 5.0 MAP/100 platform to the INTUITY Interchange Release 5.1 MAP/100P platform.	<a href="#">“Transferring the Cables from the Intuity Interchange Release 5.0 MAP/100 Machine to the Intuity Interchange Release 5.1 MAP/100P Machine”</a> in Chapter 5, <a href="#">“Intuity Interchange Release 5.1 System Upgrade Procedures”</a>
	Reboot the INTUITY Interchange Release 5.1 MAP/100P system.	<a href="#">“Rebooting the Intuity Interchange Release 5.1 MAP/100P System”</a> in Chapter 5, <a href="#">“Intuity Interchange Release 5.1 System Upgrade Procedures”</a>
	Check the INTUITY Interchange Release 5.1 MAP/100P system for any alarms generated.	<a href="#">“Checking for Alarms”</a> in Chapter 6, <a href="#">“Verifying an Intuity Interchange Release 5.1 MAP/100P Upgrade”</a>
	Verify the feature options administered on the INTUITY Interchange Release 5.1 MAP/100P system.	<a href="#">“Verifying Feature Options”</a> in Chapter 6, <a href="#">“Verifying an Intuity Interchange Release 5.1 MAP/100P Upgrade”</a>
	Verify the INTUITY Interchange Release 5.1 MAP/100P system date and time.	<a href="#">“Verifying the Intuity Interchange System Date and Time”</a> in Chapter 6, <a href="#">“Verifying an Intuity Interchange Release 5.1 MAP/100P Upgrade”</a>

# INTUITY Interchange Release 5.1 System Upgrade Procedures

# 5

---

## What's in This Chapter?

---

**⇒ NOTE:**

All hardware associated with the platform upgrade should have been previously installed. For information on an INTUITY MAP/100P hardware upgrade, see *Lucent INTUITY™ Messaging Solutions Release 4 Upgrade Procedures, 585-310-168* for more information.

This chapter contains the procedures for upgrading a Lucent INTUITY™ Interchange Release 5.0 MAP/100 system to a Release 5.1 MAP/100P system.

## Backing up the INTUITY Interchange Release 5.0 MAP/100 System

---

**⇒ NOTE:**

Verify that the cartridge tape to be used for storing the back-up information is in the tape drive prior to executing this procedure.

This back-up will take approximately 90 minutes to complete. The actual time will be determined by the total number of subscribers and voice names on the INTUITY Interchange database.

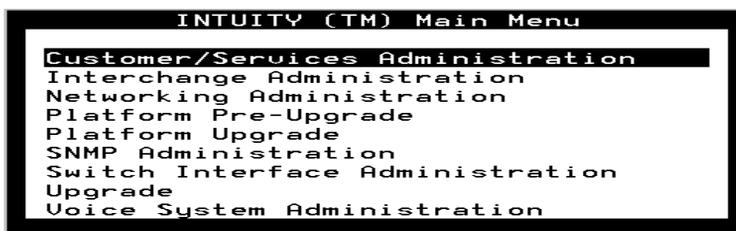
**⇒ NOTE:**

The back-up process will shut down the INTUITY Interchange system for the duration of the back-up. Once the back-up has been completed, the INTUITY Interchange will automatically restart.

Verify that the cartridge tape to be used for storing the back-up information is in the tape drive prior to executing this procedure.

To initiate an on-demand back-up, do the following:

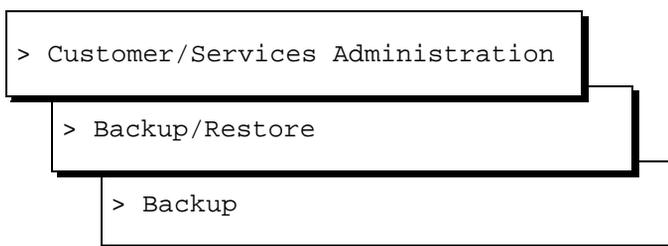
1. Log on to the INTUITY Interchange as **craft**.
2. Start at the Lucent INTUITY Administration menu ([Figure 5-1](#)).



---

**Figure 5-1. Lucent INTUITY Administration Menu**

3. Select



The system displays the Backup window ([Figure 5-2](#)).

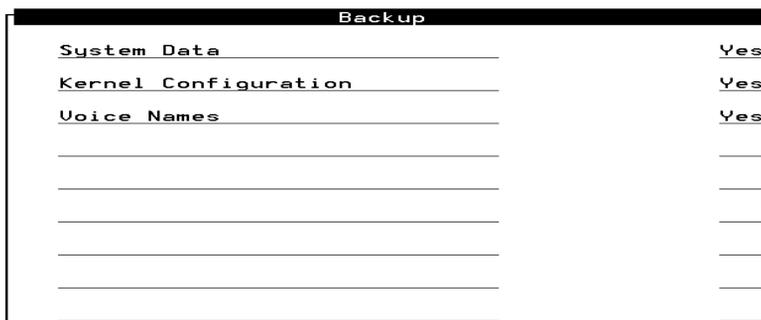


Figure 5-2. Backup Window



**NOTE:**

The fields displayed on the Backup window are based on your system's configuration. Therefore, your window may look different than the example shown above.

4. Enter y in all fields.
5. Press **F3** (Save).

The system calculates the number of tapes needed, and displays the following message:

the backup will need:  
x yy MB cartridge tape(s)



**NOTE:**

x is the number of tapes needed and yy is the size of the tapes needed.

The system verifies a backup tape by reading back the entire set of data written to the tape during the backup.

6. Insert the first cartridge tape into the tape drive.



**NOTE:**

If you insert an uninitialized tape, the system displays the message:

brand new tape(s) need to be initialized by using  
Format UNIX Floppy/Tape.

Press **ESC** and proceed to format the tapes.

The tape drive light is on while the back-up is in progress and various system messages will be displayed on the screen.

7. Press **ENTER** when the tape drive light goes off.

If you are prompted for another tape, remove the current tape from the tape drive, label it with the current date and type of back-up data on the tape, then insert a new tape.

When the backup is complete, the system displays the following message:

```
backup process has been completed successfully  
press any key to continue
```

8. Press **ENTER**.
9. Press **F6** (Cancel) until you exit the system.
10. Continue with the next procedure [“Stopping the Intuity Interchange Release 5.0 MAP/100 Voice System”](#).

## Stopping the INTUITY Interchange Release 5.0 MAP/100 Voice System

To stop the voice system on the INTUITY Interchange Release 5.0 MAP/100 system, do the following:

1. Log on to the INTUITY Interchange as **craft**.
2. Starting at the Lucent INTUITY Administration menu ([Figure 2-1](#)), select

```
> Customer/Services Administration  
> System Management  
> System Control  
> Stop Voice System
```

The system displays the following:

```
Wait Time seconds (60-600):
```

3. Enter the number of seconds until the voice system is to be stopped.
4. Press **F3** (Save).

The system waits until all calls in progress disconnect before stopping the voice system and then displays the following message:

```
The Voice System has stopped.  
Press "Enter" to continue.
```

5. Press **ENTER**.
6. Press **F6** (Cancel) until you return to the System Management menu.

7. Continue with the next procedure [“Installing Intuity Interchange Release 5.0 Migration Software”](#).

## Installing INTUITY Interchange Release 5.0 Migration Software

---

To install the the INTUITY Interchange Release 5.0 migration software on the INTUITY Interchange Release 5.0 MAP/100 system, do the following:

1. Start at the System Management menu and select

```
> UNIX Management
>Software Install
```

The system displays the Software Install menu ([Figure 5-3](#)).

```
Software Install
>Floppy drive
Tape drive
```

---

**Figure 5-3. Software Install Menu**

2. Insert the diskette labeled “Interchange Update on R5.0 (J1P321TE-1 L182).”
3. Select Floppy drive.

The system displays the following message:

```
Insert a diskette into Tape Drive 1.
Type [go] when ready
or [q] to quit: (default: go)
```

4. Press **(ENTER)**.

The system displays the following message:

```
The following sets are available:
1 mig50 Migration to 5.1
(486) 1.0
```

```
Select the package(s) you wish to process (or 'all'
to process all packages). (default:all) [?,??,q]:
```

5. Press **(ENTER)**.

The system displays the following message:

```
Do you want to continue?
```

6. Enter **y**.

After a few minutes of processing, the system will display the following message:

```
Insert a tape into tape drive....When ready Press  
<Enter>
```

7. Insert a blank 2.5GB tape into the tape drive.

**⇒ NOTE:**

Verify that the tape is not on “safe” before putting into the tape drive.

8. Press **(ENTER)**.

After approximately 30 minutes, the system will display the following message:

```
Successful migration ended at <time>
```

9. Remove the diskette from the floppy drive.
10. Remove the cartridge tape from the tape drive and set it to “safe”.
11. Press **(F6)** (Cancel) until you return to the Software Install menu.
12. Continue with the procedure, [“Installing Intuity Interchange Release 5.1 Migration Software”](#).

## **Installing INTUITY Interchange Release 5.1 Migration Software**

---

To install the the INTUITY Interchange Release 5.1 migration software on the INTUITY Interchange Release 5.1 MAP/100 system, do the following:

1. Insert the diskette labeled “Interchange Update to R5.1 (J1P321TE-1 L183).”
2. Starting at the Software Install menu ([Figure 5-3](#)), select Floppy drive.

The system displays the following message:

```
Insert a diskette into Tape Drive 1.  
Type [go] when ready  
or [q] to quit: (default: go)
```

3. Press **(ENTER)**.

The system displays the following message:

The following sets are available:

```
1  migto51      Interchange to 5.1 from5.0
                    (486) 1.0
```

Select the package(s) you wish to process (or 'all' to process all packages). (default:all) [?,??,q]:

4. Press **[ENTER]**.

The system displays the following message:

Do you want to continue?

5. Enter **y**.

After a few minutes of processing, the system will display the following message:

Insert a tape into tape drive....When ready Press  
<Enter>

6. Insert the 2.5GB tape created through the procedure [“Installing Intuity Interchange Release 5.0 Migration Software”](#) into the tape drive.

7. Press **[ENTER]**.

After approximately 30 minutes, the system will display the following message:

```
Successful migration ended at <time>
Please reboot the system
```

1. Remove the “INTUITY Interchange Update on 5.1 (J1P321TE-1 L183) diskette from the floppy drive.”
2. Remove the 2.5GB tape from the tape drive.
3. Press **[F6]** (Cancel) twice to return to the System Management menu.
4. Continue with the procedure, [“Transferring the Cables from the Intuity Interchange Release 5.0 MAP/100 Machine to the Intuity Interchange Release 5.1 MAP/100P Machine”](#).

## **Transferring the Cables from the INTUITY Interchange Release 5.0 MAP/100 Machine to the INTUITY Interchange Release 5.1 MAP/100P Machine**

---

To move the cables needed from the INTUITY Interchange Release 5.0 MAP/100 system to the INTUITY Interchange Release 5.1 MAP/100P system, do the following:

1. Move the LAN cable from the SMC card on the INTUITY Interchange Release 5.0 MAP/100 system to the INTUITY Interchange Release 5.1 MAP/100P system.
2. Move the analog cables from the voice cards on the INTUITY Interchange Release 5.0 MAP/100 system to the INTUITY Interchange Release 5.1 MAP/100P system.
3. Move RS232 and DCP connections from the INTUITY Interchange Release 5.0 MAP/100 system to the INTUITY Interchange Release 5.1 MAP/100P system if necessary.
4. Continue with the procedure, [“Rebooting the Intuity Interchange Release 5.1 MAP/100P System”](#).

## **Rebooting the INTUITY Interchange Release 5.1 MAP/100P System**

---

Once the upgrade is complete, the INTUITY Interchange Release 5.1 MAP/100P system must be rebooted. To reboot the system, do the following:

1. Starting at the System Management menu, select

```
> System Control
>Shutdown System
```

The system displays the following:

```
Wait Time seconds (0-60):
```

2. Enter the number of seconds until the system is to be shut down.
3. Press **F3** (Save).

The system displays the following message:

```
Shutdown started.
```

5 INTUITY Interchange Release 5.1 System Upgrade Procedures  
*Rebooting the INTUITY Interchange Release 5.1 MAP/100P System*

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When the system is completely shut down, the system displays the following message:

```
The system is down.  
Press Ctrl-Alt-Del to reboot your computer.
```

4. Press   .

The system performs a power-on self test (POST). The screen lists various hardware components and the status of the tests performed on those components.

 **NOTE:**

Ignore the following message if it is displayed

```
WARNING ixfs:UX unmounted root file system is busy  
and cannot be unmounted cleanly
```

When the reboot is complete, the system displays the following prompt:

```
Console Login:
```

5. Press  (Cancel) until you return to the Lucent INTUITY Administration menu ([Figure 2-1](#)).
6. Verify that the platform upgrade has been completed successfully. See [Chapter 6, "Verifying an Intuity Interchange Release 5.1 MAP/100P Upgrade"](#).

<b>5</b>	INTUITY Interchange Release 5.1 System Upgrade Procedures <i>Rebooting the INTUITY Interchange Release 5.1 MAP/100P System</i>	48
----------	---	----

## Verifying an INTUITY Interchange Release 5.1 MAP/100P Upgrade

# 6

---

### What's in This Chapter?

---

This chapter contains information for verifying the Lucent INTUITY™ Interchange Release 5.0 MAP/100 network to an INTUITY Interchange Release 5.1 MAP/100P network.

All the customer's INTUITY Interchange Release 5.0 MAP/100 system and voice data has been transferred to the INTUITY Interchange Release 5.1 MAP/100P system. Before the INTUITY Interchange Release 5.0 MAP/100 system is removed from the customer site, make sure that the INTUITY Interchange Release 5.1 MAP/100P system is operating properly.

### Checking for Alarms

---

There are several alarms that can appear on the INTUITY Interchange Release 5.1 MAP/100P system that indicate that the upgrade was not successful and that the system is not capable of operating.

In addition, there are several alarms generated during the upgrade that can be ignored by the technician. These alarms indicate temporary conditions that will be corrected when the system is placed in service.

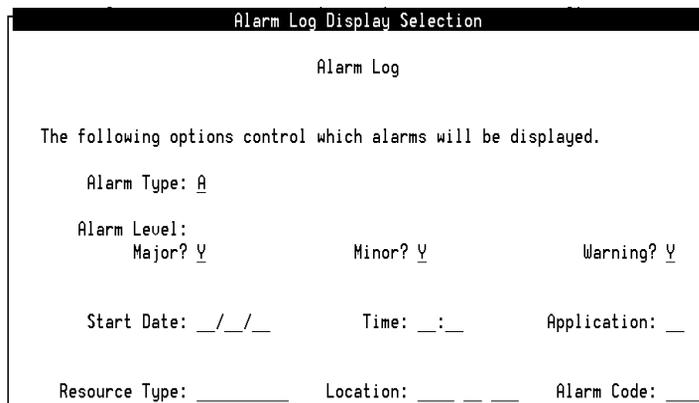
To access the alarm log, perform the following tasks:

1. Start at the Lucent INTUITY main menu ([Figure 2-1](#)).

2. Select

```
> Customer/Services Administration
> Log Administration
> Alarm Log
```

The system displays the Alarm Log Display Selection window ([Figure 6-1](#)).



**Figure 6-1. Alarm Display Selection Window**

3. Press **F3** (Save) to display the alarm log using the default display options (recommended) or enter information based on the following:
- **A** (active) in the Alarm Type: field
  - **Y** in the Alarm Level: Major field

The system displays the Alarm Log window ([Figure 6-2](#)).

Alarm Log								
App	Resource	Location	Alarm Code	Alm Lvl	Ack	Date/Time Alarmed	Date/Time Resolved	Resolve Reason
IC	SOFTWARE		0003	MAJ	N	09/03/98 10:32		
MT	MIRROR		1	MIN	N	09/03/98 11:19		

**Figure 6-2. Alarm Log Window**

4. Read the listed alarms and either contact the remote support center or continue with the upgrade. Depending on the alarm, one of three things may be indicated:
  - Failure of the upgrade
  - Failure of the custom announcement set transfer
  - No failure

See [“Intuity™ Messaging Solutions Release 4.0 Alarm and Log Messages”](#) for a list of alarms and resolutions.

5. If there are no alarms or once the alarms have been resolved, press **F6** (Cancel) until you return to the Lucent INTUITY main menu ([Figure 2-1](#)).
6. Continue with the next procedure, [“Verifying the Intuity Interchange System Date and Time”](#).

## Verifying Feature Options

The feature options configuration in the INTUITY Interchange Release 5.1 MAP/100P system should match the information in the INTUITY Interchange Release 5.0 MAP/100 system, unless new features were purchased.

### ⇒ NOTE:

Only certified Lucent personnel can change options in this window, but it can be displayed for informational purposes. If new feature options were purchased, but are not displayed correctly on the Feature Option window ([Figure 6-3](#)), contact enhanced services.

To verify feature options, do the following:

1. Start at the Lucent INTUITY main menu ([Figure 2-1](#)).
2. Select

```
> Customer/Services Administration
> Feature Options
```

The system displays the Feature Options (Read Only) window ([Figure 6-3](#)).

Feature Options (Read Only)		
Feature Option	Current	Maximum
AMIS Analog Gateway Module	ON	N/A
Call Detail Recording (CDR)	ON	N/A
Enterprise Lists Administration	ON	N/A
High speed digital ports	6	12
Low speed digital ports	6	12
Maximum Number of AMIS Nodes	100	500
Maximum Number of Digital Nodes	100	500
SCSI Disk Mirroring	ON	N/A
SNMP	ON	N/A
TCP/IP Administration	ON	N/A
TCPIP digital ports	6	12
Text-to-Speech Sessions	0	4
hours_of_speech	285	446
voice_ports	30	36

**Figure 6-3. Feature Options (Read Only) Window**

[Table 6-1](#) describes the feature options in this window that apply to the INTUITY Interchange system .

**Table 6-1. Feature Option (Read Only) Window Field Descriptions**

Feature Option	Current	Maximum
AMIS Analog Gateway Module	ON or OFF; indicates whether AMIS analog gateway has been purchased.	N/A
Call Detail Recording (CDR)	ON or OFF; indicates whether CDR has been purchased.	N/A

**Table 6-1. Feature Option (Read Only) Window Field Descriptions**  
— *Continued*

Feature Option	Current	Maximum
Enterprise Lists Administration	ON or OFF; indicates whether Enterprise Lists was purchased.	N/A
High speed digital ports	Number of high speed INTUITY AUDIX® digital networking (DCP) ports.	12
Low speed digital ports	Number of low speed INTUITY AUDIX® digital networking (DCP) ports.	12
Maximum Number of AMIS Nodes	Number of remote AMIS analog machines connected to the INTUITY Interchange.	500  ➤ <b>NOTE:</b> The sum of this field, the Max Number of OctelNet Nodes, and the Maximum Number of Digital Nodes field must <i>not</i> exceed 500.
Maximum Number of Digital Nodes	Number of remote digital machines connected to this INTUITY Interchange.	500  ➤ <b>NOTE:</b> The sum of this field, the Max Number of OctelNet Nodes, and the Maximum Number of AMIS Nodes field must <i>not</i> exceed 500.
SCSI Disk Mirroring	ON for MAP/100P systems	N/A
SNMP	ON or OFF; indicates whether SNMP was purchased.	N/A

*Continued on next page*

**Table 6-1. Feature Option (Read Only) Window Field Descriptions**  
— *Continued*

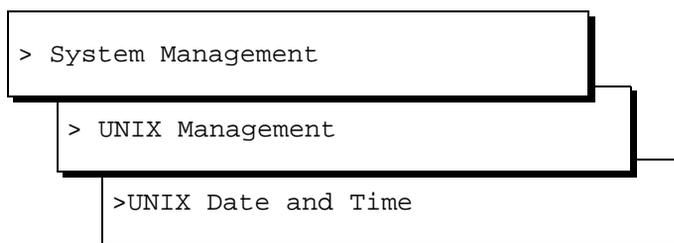
Feature Option	Current	Maximum
TCP/IP Administration	ON or OFF; indicates whether TCP/IP was purchased.	
TCPIP digital ports	Number of digital ports purchased.	12
Text-to-Speech Sessions	Number of text-to-speech sessions purchased.	4
hours_of_speech	Number of hours of speech on the INTUITY Interchange system's hard disks.	430
voice_ports	Number of analog ports on the INTUITY Interchange.	12

3. Press **F6** (Cancel) until you return to the Customer/Services Administration menu.
4. Continue with the next procedure, "[Verifying the Intuity Interchange System Date and Time](#)".

## Verifying the INTUITY Interchange System Date and Time

To verify the INTUITY Interchange Release 5.1 MAP/100P system date and time, do the following:

1. Start from the Customer/Services Administration menu ([Figure 2-1](#)) and select



The system displays the UNIX Date and Time window ([Figure 6-4](#)).

The screenshot shows a window titled "UNIX Date and Time" with the following fields and values:

- Date: September 3, 1998
- Time: 12:34
- AM/PM: PM
- Timezone: US/Eastern
- Is Daylight Savings Time used?: YES

**Figure 6-4. UNIX Date and Time Window**

2. Check the date and time information. If there are inaccuracies, continue according to the information in [Table 6-2](#).

If there are no inaccuracies, press **(F6)** (Cancel) until you return to the Lucent INTUITY Interchange main menu ([Figure 2-1](#)).

**Table 6-2. UNIX Date and Time Window Field Descriptions**

Field Name	Description	Valid Input
Date	Current month, date, and year.	Type the first 3 characters of the current month and press <b>(TAB)</b> . Type a value from 1 to 31 and press <b>(TAB)</b> . Type the current year and press <b>(TAB)</b> .
Time	Current hour and minute.	Type a number from 0 – 12, then a number from 00 – 59.
AM/PM	Designates current time as AM or PM.	AM PM

*Continued on next page*

**Table 6-2. UNIX Date and Time Window Field Descriptions — Continued**

Field Name	Description	Valid Input
Timezone	Indicates the time zone in which the Intuity Interchange resides.	<ul style="list-style-type: none"> <li>■ Greenwich</li> <li>■ Atlantic</li> <li>■ US/Eastern</li> <li>■ US/Central</li> <li>■ US/Mountain</li> <li>■ US/Pacific</li> <li>■ Yukon</li> <li>■ Alaska</li> <li>■ Hawaii</li> <li>■ Bering</li> <li>■ Kwajalein</li> <li>■ Newfoundland</li> <li>■ Brazil</li> <li>■ Mid Atlantic</li> <li>■ Azores</li> <li>■ Europe/Western</li> </ul> <p><b>⇒ NOTE:</b>                      Changes made to this field do not take effect until you log out of the Lucent INTUITY system and then log back in.</p>

*Continued on next page*

**Table 6-2. UNIX Date and Time Window Field Descriptions — Continued**

Field Name	Description	Valid Input
Is Daylight Savings Time Used?	Indicates whether the system clock is in a timezone that implements daylight savings time from April to October.   <b>NOTE:</b> For non-US locations, set Daylight Savings Time to <b>No</b> .	y for yes n for no

3. Press **F3** (Save) to save the UNIX system date and time changes.  
 The system logs a message to the Administrator's Log informing you of any changes made to the UNIX date and time.
4. Press **F6** (Cancel) to return to the Lucent INTUITY Administration menu ([Figure 2-1](#)).

<b>6</b>	Verifying an INTUITY Interchange Release 5.1 MAP/100P Upgrade <i>Verifying the INTUITY Interchange System Date and Time</i>	<b>58</b>
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# INTUITY Interchange Release 5.2 Software Update Checklist



## What's in This Chapter?

This chapter contains a checklist for updating a Lucent INTUITY™ Interchange Release 5.1 system with INTUITY Interchange Release 5.2 software. It should be used in conjunction with the procedures in [Chapter 8, "Intuity Interchange Release 5.2 Software Update Procedures"](#).

## INTUITY Interchange Release 5.2 Software Update Checklist

[Table 7-1](#) provides a checklist for updating an existing INTUITY Interchange Release 5.1 system with INTUITY Interchange Release 5.2 software.

**Table 7-1. INTUITY Interchange Release 5.2 Software Update Checklist**

(√)	Task	Reference Documentation
	Back-up the INTUITY Interchange Release 5.1 system.	<a href="#">"Backing up System and Voice Data" in Chapter 8, "Intuity Interchange Release 5.2 Software Update Procedures"</a>
	Stop the INTUITY Interchange Release 5.1 voice system.	<a href="#">"Stopping the Voice System" in Chapter 8, "Intuity Interchange Release 5.2 Software Update Procedures"</a>

*Continued on next page*

**Table 7-1. INTUITY Interchange Release 5.2 Software Update Checklist**  
— *Continued*

(√)	Task	Reference Documentation
	Remove any existing INTUITY Interchange application RFU.	<a href="#">“Removing an Existing Intuity Interchange Application RFU”</a> in Chapter 8, “Intuity Interchange Release 5.2 Software Update Procedures”
	Install the INTUITY Interchange Migration 5.1 application software.	<a href="#">“Installing the Intuity Interchange Migration 5.1 Application Software”</a> in Chapter 8, “Intuity Interchange Release 5.2 Software Update Procedures”
	Setup the base for the Oracle software.	<a href="#">“Setting up the Base for the Oracle Software”</a> in Chapter 8, “Intuity Interchange Release 5.2 Software Update Procedures”
	Install INTUITY Interchange Release 5.2 application software.	<a href="#">“Installing the Intuity Interchange Release 5.2 Application Software”</a> in Chapter 8, “Intuity Interchange Release 5.2 Software Update Procedures”
	Install the INTUITY Interchange Migration 5.2 application software.	<a href="#">“Installing the Intuity Interchange Migration 5.2 Application Software”</a> in Chapter 8, “Intuity Interchange Release 5.2 Software Update Procedures”
	Install the INTUITY Interchange Release 5.2 application RFU, if necessary.	<a href="#">“Installing the Intuity Interchange Application RFU”</a> in Chapter 8, “Intuity Interchange Release 5.2 Software Update Procedures”
	Reboot the INTUITY Interchange Release 5.2 system.	<a href="#">“Rebooting the Intuity Interchange System”</a> in Chapter 8, “Intuity Interchange Release 5.2 Software Update Procedures”
	Verify the INTUITY Interchange Release 5.2 system upgrade.	Chapter 9, “ <a href="#">Verifying an Intuity Interchange Release 5.2 Software Update</a> ”

## INTUITY Interchange Release 5.2 Software Update Procedures

# 8

---

### What's in This Chapter?

---

**⇒ NOTE:**

All hardware associated with the platform upgrade should have been previously installed. For information on a platform upgrade, see *Lucent INTUITY™ Messaging Solutions Release 4 Upgrade Procedures, 585-310-168* for more information.

This chapter describes the procedures for updating an INTUITY Interchange Release 5.1 system with INTUITY Interchange Release 5.2 software.

---

### Backing up System and Voice Data

---

**⇒ NOTE:**

Verify that the cartridge tape to be used for storing the back-up information is in the tape drive prior to executing this procedure.

This back-up will take approximately 90 minutes to complete. The actual time will be determined by the total number of subscribers and voice names on the INTUITY Interchange database.

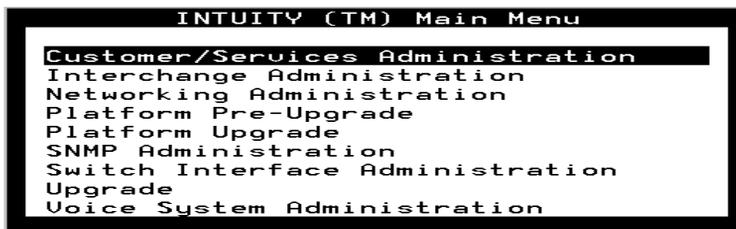
**⇒ NOTE:**

The back-up process will shut down the INTUITY Interchange system for the duration of the back-up. Once the back-up has been completed, the INTUITY Interchange will automatically restart.

Verify that the cartridge tape to be used for storing the back-up information is in the tape drive prior to executing this procedure.

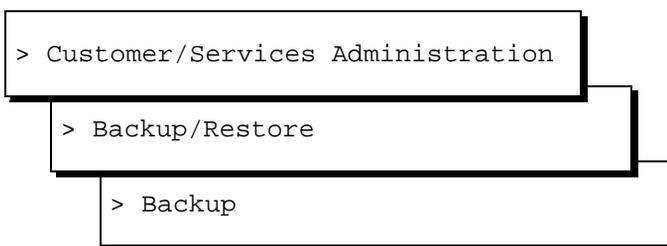
To initiate an on-demand back-up, do the following:

1. Log on to the INTUITY Interchange as **craft**.
2. Start at the Lucent INTUITY Administration menu ([Figure 8-1](#)).

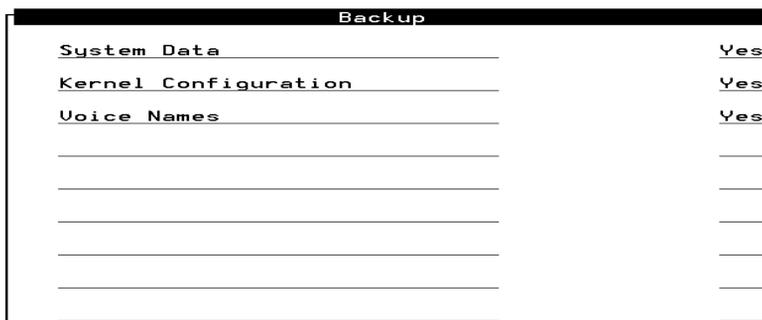


**Figure 8-1. Lucent INTUITY Administration Menu**

3. Select



The system displays the Backup window ([Figure 8-2](#)).



**Figure 8-2. Backup Window**



**NOTE:**

The fields displayed on the Backup window are based on your system's configuration. Therefore, your window may look different than the example shown above.

4. Enter y in all fields.
5. Press **F3** (Save).

The system calculates the number of tapes needed, and displays the following message:

the backup will need:  
x yy MB cartridge tape(s)



**NOTE:**

x is the number of tapes needed and yy is the size of the tapes needed.

The system verifies a backup tape by reading back the entire set of data written to the tape during the backup.

6. Insert the first cartridge tape into the tape drive.



**NOTE:**

If you insert an un-initialized tape, the system displays the message:

brand new tape(s) need to be initialized by using  
Format UNIX Floppy/Tape.

Press **ESC** and proceed to format the tapes.

The tape drive light is on while the back-up is in progress and various system messages will be displayed on the screen.

7. Press **(ENTER)** when the tape drive light goes off.

If you are prompted for another tape, remove the current tape from the tape drive, label it with the current date and type of back-up data on the tape, then insert a new tape.

When the backup is complete, the system displays the following message:

```
backup process has been completed successfully  
press any key to continue
```

8. Press **(ENTER)**.
9. Press **(F6)** (Cancel) until you exit the system.
10. Follow the procedures listed in ["Successful Back-up Verification"](#) to verify that the back-up has completed successfully.

## Successful Back-up Verification

To verify that the back-up was successful, do the following:

1. Log on to the INTUITY system as **sa**.

The system displays the Lucent INTUITY™ Administration menu ([Figure 2-1](#)).

2. Select

```
> Customer/Services Administration
```

```
>Log Administration
```

```
> Administrator's Log
```

The system displays the Administrator's Log Display Selection screen ([Figure 8-3](#)).

**Figure 8-3. Administrator's Log Display Selection Screen**

3. Enter today's date in the `Start Date` field.
4. Press `(TAB)` until you reach the `Event ID` field.
5. Enter `BKRST001` in the `Event ID` field.
6. Press `(F3)` (Save).

The system displays the Administrator's Log ([Figure 8-4](#)).

Date	Time	App	Event ID	Cnt	Message
03/03/98	04:00				Backup process has completed successfully

**Figure 8-4. Administrator's Log**

7. Verify that there is an entry with the current date and the following text:  
Backup process has been completed successfully.
8. Press `(F6)` (Cancel) until you exit the system.
9. Continue with the next procedure, "[Stopping the Voice System](#)".

## Stopping the Voice System

---

To stop the voice system, do the following:

1. Log on to the INTUITY Interchange as **craft**.
2. Starting at the Lucent INTUITY Administration menu ([Figure 2-1](#)), select

```
> Customer/Services Administration
```

```
> System Management
```

```
> System Control
```

```
>Stop Voice System
```

The system displays the following:

Wait Time seconds (60-600):

3. Enter the number of seconds until the voice system is to be stopped.
4. Press **F3** (Save).

The system waits until all calls in progress disconnect before stopping the voice system and then displays the following message:

```
The Voice System has stopped.  
Press "Enter" to continue.
```

5. Press **ENTER**.
6. Press **F6** (Cancel) until you return to the System Management menu.
7. Continue with the next procedure, "[Removing an Existing Intuity Interchange Application RFU](#)".

## Removing an Existing INTUITY Interchange Application RFU

---

To remove an existing INTUITY Interchange application RFU, do the following:

1. Starting at the System Management menu, select

```
> UNIX Management
```

```
>Software Remove
```

The system displays the Software Remove screen ([Figure 8-5](#)).

```

The following packages are available:
1  EMM-RFU      PT$ EMM platform RFU+B
                (486) 1.0
2  INTUNIX     UNIX SUR4.2 Enhancement Set - Update G
                (486) Rel. 2 of Indep UNIX, USL SUR4.2.3
3  IUC6DI      Lucent Intuity IUC6 Device Interface for softFAX 2.0
                (x86sur4_intsl) 2.0.07.32
4  OSmods      Intuity Operating System Modifications Module
                (486) 3.0-42e
5  UMset       Intuity AUDIX software set
                (486) 3.0-18e
6  aag         Intuity Interchange AAG Package
                (486) 1.20
7  acp         Enhanced Application Compatibility
                (386) 1
8  admin       Administration Set
                (386) 1
9  adscfix     UNIX SUR4.2 ADSC Driver Patch - Update G
                (486) Rel. 2 of Indep UNIX, USL SUR4.2.3, ver. 1
10 audfs      AUDIX File system
                (MFB) R1.1

... 65 more menu choices to follow:
<RETURN> for more choices, <CTRL-D> to stop display:
    
```

**Figure 8-5. Software Remove Screen**

2. Locate the existing INTUITY Interchange application RFU (*ichg+X*).
3. Note the number of the RFU, located in the first column of the Software Remove screen ([Figure 8-5](#)).
4. If there is no RFU listed, enter **q** to quit and press **(F6)** (Cancel) until you return to the UNIX Management menu. Continue with the next procedure, [“Installing the Intuity Interchange Migration 5.1 Application Software”](#).
5. Press **(CTRL) (D)**.

The system displays the following message:

```
Select package(s) you wish to process (or 'all' to
process all packages). (default: all) [?,??,q]
```

6. Enter the number of the RFU.

The system displays the name and version number for the package selected.

7. Enter **y**

**⇒ NOTE:**

If the system displays any messages warning of dependencies, enter **y** again to continue with the software removal.

8. Once the system has removed the RFU, it will return to the UNIX Management menu.
9. Continue with the next procedure, [“Installing the Intuity Interchange Migration 5.1 Application Software”](#).

## Installing the INTUITY Interchange Migration 5.1 Application Software

To install the INTUITY Interchange migration 5.1 application software, do the following:

1. Starting at the UNIX Management menu, select

```
>Software Install
```

The system displays the Software Install menu ([Figure 8-6](#)).

---

```
Software Install  
>Floppy drive  
Tape drive
```

---

**Figure 8-6. Software Install Menu**

2. Insert the tape labeled "INTUITY Interchange Software Set" into the tape drive.
3. Select `Tape drive`.

The system displays the following message:

```
Insert a cartridge tape into Tape Drive 1.  
Type [go] when ready  
or [q] to quit: (default: go)
```

4. Press `(ENTER)`.

The system displays the following message:

```
Installation in progress. Do not remove the cartridge  
The following pkgs are available:
```

```
1 (interchg) Intuity Interchange Software Set  
(INTERCHANGE) 5.2.x
```

```
Select package(s) you wish to process (or 'all' to  
process all packages). (default: all) [?,??,q]
```

5. Enter `1`

The system displays the following message:

```
Intuity Interchange Software Set
(INTERCHANGE) 5.2.x
Using </> as the package base directory

Select type of installation:

1) All Packages - Installs Software and Initial
   Database
2) Software Only - Installs only the Software
3) Interchange Announcement Sets
4) Setup Oracle for Interchange
5) Custom Installation
6) Quit Installation
Select (1-6):
```

6. Enter **5**

The system displays the following message:

```
You have selected to do a custom installation. You will
be prompted for which packages to install.
```

```
Do you wish to continue? [y, n, ?,q]
```

7. Enter **y**

The system will display a list of packages which can be installed.

8. Enter **y** to mig51 package and **n** to all other packages.

Once the system has completed installing the INTUITY Interchange 5.1 migration software, it will display the following message:

```
Processing of <INTUITY Interchange Software Set> is
completed.
```

```
Insert a cartridge tape into Tape Drive 1.
```

```
Type [go] when ready
or [q] to quit: (default: go)
```

9. Continue with the next procedure, [“Setting up the Base for the Oracle Software”](#).

## Setting up the Base for the Oracle Software

---

To set up the base for the Oracle software, do the following:

1. With the tape labeled “INTUITY Interchange Software Set” still in the tape drive, press **ENTER**.

The system displays the following message:

```
Installation in progress. Do not remove the cartridge
```

```
The following pkgs are available:
```

```
1 (interchg) Intuity Interchange Software Set  
 (INTERCHANGE) 5.2.x
```

```
Select package(s) you wish to process (or 'all' to  
process all packages). (default: all) [?,??,q]
```

2. Enter 1

The system displays the following message:

```
Intuity Interchange Software Set  
(INTERCHANGE) 5.2.x
```

```
Using </> as the package base directory
```

```
Select type of installation:
```

```
1) All Packages - Installs Software and Initial  
 Database  
2) Software Only - Installs only the Software  
3) Interchange Announcement Sets  
4) Setup Oracle for Interchange  
5) Custom Installation  
6) Quit Installation
```

```
Select (1-6):
```

3. Enter 4

The system displays the following message:

```
Do you wish to continue "y"?
```

4. Enter y

Once the Oracle base has been installed, the system will display the following message:

```
Processing of <Intuity Interchange Software Set> is  
completed
```

```
Insert a cartridge tape into Tape Drive 1.
```

```
Type [go] when ready
```

```
or [q] to quit: (default: go)
```

5. Continue with the next procedure, ["Installing the Intuity Interchange Release 5.2 Application Software"](#).

## Installing the INTUITY Interchange Release 5.2 Application Software

---

To install the INTUITY Interchange Release 5.2 application software, do the following:

1. With the tape labeled "INTUITY Interchange Software Set" still in the tape drive, press **ENTER**.

The system displays the following message:

```
Installation in progress. Do not remove the cartridge
```

```
The following pkgs are available:
```

```
1 (interchg) Intuity Interchange Software Set  
(INTERCHANGE) 5.2.x
```

```
Select package(s) you wish to process (or 'all' to  
process all packages). (default: all) [?,??,q]
```

2. Enter **1**

The system displays the following message:

```
1 Intuity Interchange Software Set  
(INTERCHANGE) 5.2.x
```

```
Using </> as the package base directory
```

```
Select type of installation:
```

- 1) All Packages - Installs Software and Initial Database
- 2) Software Only - Installs only the Software
- 3) Interchange Announcement Sets
- 4) Setup Oracle for Interchange
- 5) Custom Installation
- 6) Quit Installation

```
Select (1-6):
```

3. Enter **1**

The system displays the following message:

```
You have selected to install all packages including the  
default database.
```

```
WARNING!! This will destroy the existing Interchange  
database.
```

```
Do you wish to continue? [y, n, ?, q]
```

4. Enter **y**

Once the system has completed installing the software, it will display the following message:

```
Processing of <INTUITY Interchange Software Set> is
completed.
```

```
Insert a cartridge tape into Tape Drive 1.
```

```
Type [go] when ready
    or [q] to quit: (default: go)
```

5. Continue with the next procedure, "[Installing the Intuity Interchange Migration 5.2 Application Software](#)".

## **Installing the INTUITY Interchange Migration 5.2 Application Software**

To install the INTUITY Interchange migration 5.2 application software, do the following:

1. With the tape labeled "INTUITY Interchange Software Set" still in the tape drive, press **ENTER**.

The system displays the following message:

```
Installation in progress. Do not remove the cartridge
```

```
The following pkgs are available:
```

```
1 (interchg) Intuity Interchange Software Set
              (INTERCHANGE) 5.2.x
```

```
Select package(s) you wish to process (or 'all' to
process all packages). (default: all) [?,??,q]
```

2. Enter **1**

The system displays the following message:

```
Intuity Interchange Software Set
```

```
(INTERCHANGE) 5.2.x
```

```
Using </> as the package base directory
```

```
Select type of installation:
```

```
1) All Packages - Installs Software and Initial
   Database
```

```
2) Software Only - Installs only the Software
```

```
3) Interchange Announcement Sets
```

```
4) Setup Oracle for Interchange
```

```
5) Custom Installation
```

```
6) Quit Installation
```

```
Select (1-6):
```

3. Enter **5**

The system displays the following message:

```
You have selected to do a custom installation. You will  
be prompted for which packages to install.
```

```
Do you wish to continue? [y, n, ?,q]
```

4. Enter **y**

The system will display a list of packages which can be installed.

5. Enter **y** to migto52 package and **n** to all other packages.

Once the system has completed installing the INTUITY Interchange 5.2 migration software, it will display the following message:

```
Processing of <INTUITY Interchange Software Set> is  
completed.
```

```
Insert a cartridge tape into Tape Drive 1.  
Type [go] when ready  
or [q] to quit: (default: go)
```

6. Enter **q**

7. Remove the "INTUITY Interchange Software Set" tape from the tape drive.

8. If you received a tape labeled "Remote Field Update for INTERCHANGE", press **F6** (Cancel) until you return to the UNIX Management menu and continue with the next procedure, ["Installing the Intuity Interchange Application RFU"](#).

If you did not receive this tape, press **F6** (Cancel) until you return to the System Management menu and reboot the system. See ["Rebooting the Intuity Interchange System"](#).

## Installing the INTUITY Interchange Application RFU

---

**⇒ NOTE:**

This procedure is to be completed only if you received a tape labeled "Remote Field Update for INTERCHANGE".

To install the INTUITY Interchange application RFU, do the following:

1. Starting at the UNIX Management menu, select

```
>Software Install
```

The system displays the Software Install menu ([Figure 8-6](#)).

2. Insert the tape labeled "Remote Field Update for INTERCHANGE."
3. Press **(ENTER)**.

The system displays the following message:

```
Installation in progress. Do not remove the cartridge  
The following pkgs are available:
```

```
1  ichg+x  Remote Field Update for INTERCHANGE
```

```
Select package(s) you wish to process (or 'all' to  
process all packages). (default: all) [?,??,q]
```

4. Press **(ENTER)**.

Once the RFU has been installed, the system displays the following message:

```
Processing of <Remote Field Update for INTERCHANGE> is  
completed.
```

```
Insert a cartridge tape into Tape Drive 1.
```

```
Type [go] when ready  
or [q] to quit: (default: go)
```

5. Enter **q**
6. Remove the tape labeled "Remote Field Update for INTERCHANGE" from the tape drive.
7. Press **(F6)** (Cancel) until you return to the System Management menu.
8. Reboot the system. See the next procedure ["Rebooting the Intuity Interchange System"](#).

## Rebooting the INTUITY Interchange System

---

To re-boot the INTUITY Interchange system, do the following:

1. Starting at the System Management menu, select

```
> Shutdown System
```

2. Enter **y**

The system displays the following:

```
Wait Time seconds (0-60):
```

3. Enter the number of seconds until the system is to be shut down.

4. Press **F3** (Save).

The system displays the following message:

```
Shutdown started.
```

When the system is completely shut down, the system displays the following message:

```
The system is down.  
Press Ctrl-Alt-Del to reboot your computer.
```

5. Press **CTRL** **ALT** **DELETE**.

The system performs a power-on self test (POST). The screen lists various hardware components and the status of the tests performed on those components.

**⇒ NOTE:**

The system will display the following message during the reboot:

```
The UNIX operating system kernel will now be  
rebuilt to incorporate recent configuration  
changes.
```

```
Strike ENTER when ready or Esc to stop.
```

You *do not* have to take action to continue the shutdown.

Once the shutdown has been completed, the system displays the following prompt:

```
Startup of the Voice System is complete.  
Console Login:
```

**⇒ NOTE:**

The voice system will automatically be restarted. Do *not* continue with the next procedure until the voice system has been restarted.

6. Verify that the INTUITY Interchange Release 5.2 software update was successful. See [Chapter 9, "Verifying an Intuity Interchange Release 5.2 Software Update"](#).

**8** INTUITY Interchange Release 5.2 Software Update Procedures  
*Rebooting the INTUITY Interchange System*

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# Verifying an INTUITY Interchange Release 5.2 Software Update

# 9

## What's in This Chapter?

---

This chapter contains information for verifying the software update for a Lucent INTUITY™ Interchange Release 5.2 system.

## INTUITY Interchange Release 5.2 Software Update Verification

---

To verify the updated software installation of the INTUITY Interchange, do the following:

1. Log into the INTUITY Interchange system as **craft**.
2. Start at the INTUITY Administration menu ([Figure 2-1](#)) and select

```
> Customer/Services Administration
```

```
> System Verification
```

```
> View Installed Software
```

The system displays the View Installed Software screen. Use **F2** (Next Page) and **F3** (Prev Page) to move through the View Installed Software screen.

```
View Installed Software

Displaying pkginfo (long version) for only the application
packages...

Displaying pkginfo for package Uex

  PKGINST: Uex
    NAME: Intuity Application Software Set
  CATEGORY: set
    ARCH: 486
  VERSION: 3.0-38
    PSTAMP: 3.38.0 R3.0 IP38 Tue Jul 11 10:22:32 EDT 1995
```

**Figure 9-1. Sample View Installed Software Screen**

3. Locate the following packages in the View Installed Software screen:

**⇒ NOTE:**

The order of the packages vary in the View Installed Software screen. These packages do not necessarily appear in the order listed below.

- INTUITY AUDIX Application Software
  - netw
  - platupg
  - sdialer
  - tcpadm
  - upgrade
- Oracle Software
  - ORACLEset
- INTUITY Interchange Application Software
  - aag
  - ichg
  - ic\_us-eng
  - icdfldb
  - icdfldb (MAP/5P only)
  - icftp
  - ichgftp
  - ichgsnmp
  - ichgupgr
  - icswrule
  - jamrt
  - mmd
  - mmddfldb
  - octelnet

radutl  
sce  
setupora

- INTUITY Interchange Switch Software

dciutism  
or  
slibtism  
or  
vbptism

4. Press **(F6)** (Cancel) until you return to the Customer/Services Administration menu.
5. Continue with the next procedure, [“Verifying Feature Options”](#).

## Verifying Feature Options

The feature options configuration for the new INTUITY Interchange Release 5.2 system should be all INTUITY Interchange 5.1 feature options, as well as any new features purchased.

### NOTE:

Only certified Lucent personnel can change options in this window, but it can be displayed for informational purposes. If new feature options were purchased, but are not displayed correctly on the Feature Option window ([Figure 9-2](#)), contact enhanced services.

To verify feature options, do the following:

1. Start at the Customer/Services Administration menu, and select

```
> Customer/Services Administration
> Feature Options
```

The system displays the Feature Options (Read Only) window ([Figure 9-2](#)).

Feature Options (Read Only)		
Feature Option	Current	Maximum
Call Detail Recording (CDR)	ON	N/A
Enterprise Lists Administration	ON	N/A
High speed digital ports	6	12
Low speed digital ports	6	12
Max Number of OctelNet Nodes	10	500
Maximum Number of AMIS Nodes	100	500
Maximum Number of Digital Nodes	100	500
SCSI Disk Mirroring	ON	N/A
SNMP	ON	N/A
TCP/IP Administration	ON	N/A
TCPIP digital ports	4	12
Text-to-Speech Sessions	0	4
hours_of_speech	292	430
voice_ports	12	12

**Figure 9-2. Feature Options (Read Only) Window**

[Table 9-1](#) describes the feature options in this window that apply to the INTUITY Interchange Release 5.2 system.

**Table 9-1. Feature Option (Read Only) Window Field Descriptions**

Feature Option	Current	Maximum
Call Detail Recording (CDR)	ON or OFF; indicates whether CDR has been purchased.	N/A
Enterprise Lists Administration	ON or OFF; indicates whether Enterprise Lists was purchased.	N/A
High speed digital ports	Number of high speed INTUITY AUDIX® digital networking (DCP) ports.	12
Low speed digital ports	Number of low speed INTUITY AUDIX® digital networking (DCP) ports.	12

*Continued on next page*

**Table 9-1. Feature Option (Read Only) Window Field Descriptions**  
— *Continued*

Feature Option	Current	Maximum
Max Number of OctelNet Nodes	Number of remote OctelNet analog machines connected to the INTUITY Interchange.	500  ⇒ <b>NOTE:</b> The sum of this field, the Maximum Number of AMIS Nodes, and the Maximum Number of Digital Nodes field must <i>not</i> exceed 500.
Maximum Number of AMIS Nodes	Number of remote AMIS analog machines connected to the INTUITY Interchange.	500  ⇒ <b>NOTE:</b> The sum of this field, the Max Number of OctelNet Nodes, and the Maximum Number of Digital Nodes field must <i>not</i> exceed 500.
Maximum Number of Digital Nodes	Number of remote digital machines connected to this INTUITY Interchange.	500  ⇒ <b>NOTE:</b> The sum of this field, the Max Number of OctelNet Nodes, and the Maximum Number of AMIS Nodes field must <i>not</i> exceed 500.
SCSI Disk Mirroring	ON for MAP/100P systems  OFF for MAP/5P systems	N/A
SNMP	ON or OFF; indicates whether SNMP was purchased.	N/A
TCP/IP Administration	ON or OFF; indicates whether TCP/IP was purchased.	
TCPIP digital ports	Number of digital ports purchased.	12

*Continued on next page*

**Table 9-1. Feature Option (Read Only) Window Field Descriptions**  
 — *Continued*

Feature Option	Current	Maximum
Text-to-Speech Sessions	Number of text-to-speech sessions purchased.	4
hours_of_speech	Number of hours of speech on the INTUITY Interchange system's hard disks.   <b>NOTE:</b> For a MAP/100P system, the number of hours is 285. For a MAP/5P system, the number of hours is 200.	430
voice_ports	Number of analog ports on the INTUITY Interchange.	12

2. Press **F6** (Cancel) until you return to the Lucent INTUITY Administration menu ([Figure 2-1](#)).

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