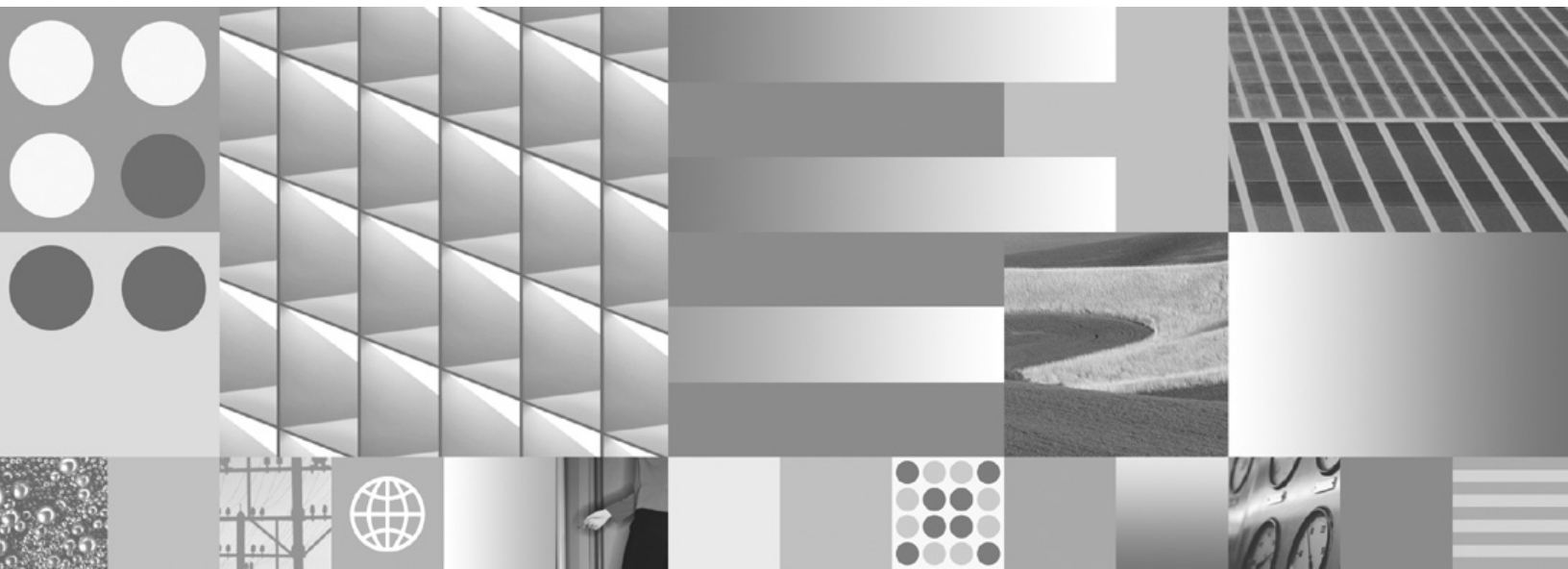
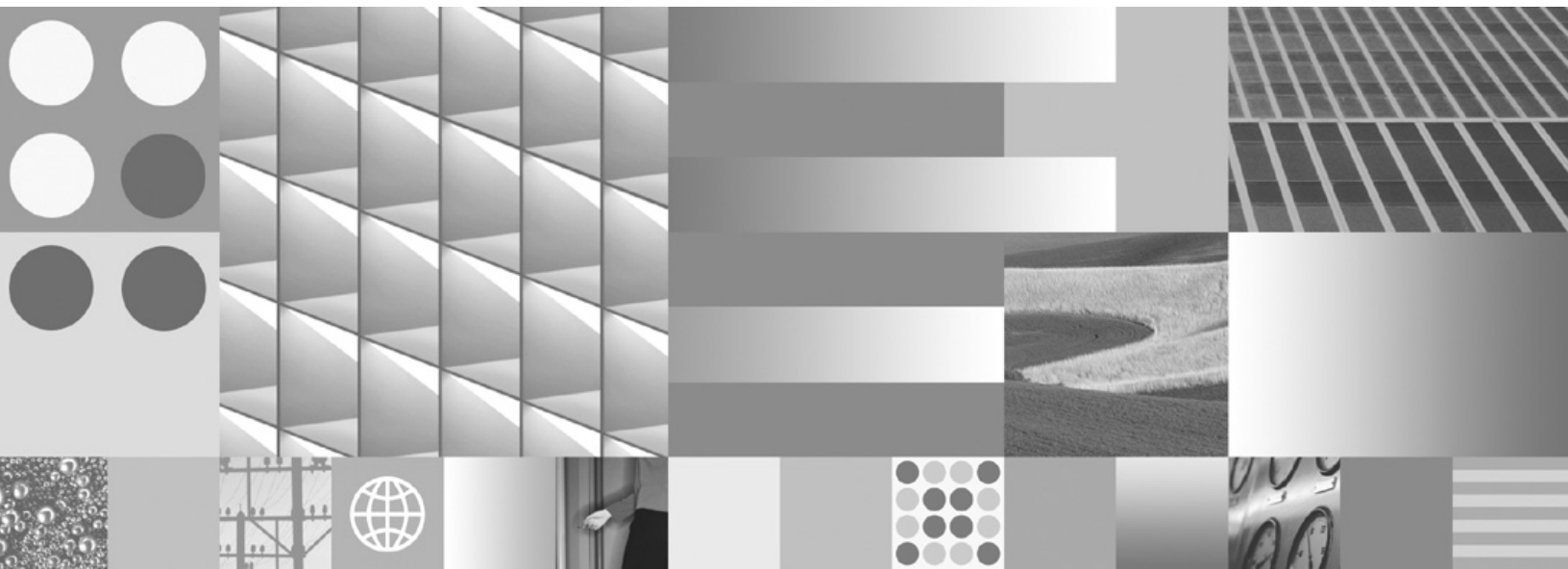


4.1.2



**Guidelines for Installing and Upgrading Oracle 10g Software
(FileNet-Controlled)**

4.1.2



**Guidelines for Installing and Upgrading Oracle 10g Software
(FileNet-Controlled)**

Note

Before using this information and the product it supports, read the information in "Notices" on page 69.

This edition applies to version 4.1.2 of IBM FileNet Image Services (product number 5724-R95) and to all subsequent releases and modifications until otherwise indicated in new editions.

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About This Manual

This document provides procedures and guidelines for installing and upgrading Oracle 10g software in a FileNet-controlled environment for IBM® FileNet® Image Services (IS) systems on both UNIX® and Windows® Server operating systems.

Important

Before installing or upgrading the Oracle software on your IS system, read this document to familiarize yourself with the tasks you will need to complete.

Audience

This manual is written for IS System Administrators and support personnel. We assume that you are familiar with the IS Application Executive (Xapex), which includes Storage Library Control, Background Job Control, and Database Maintenance, as well as the IS System Configuration Editor. We also assume that you are familiar with your operating system environment and workstation operations.

Document revision history

IS version	Date	Comment
4.1.2	Nov. 2008	Initial release.
4.1.2	Aug. 2009	Added a note to disregard the message about the streams_pool_size variable in the section, <u>“Running the Oracle readiness utility” on page 30.</u> Added the section, <u>“Verifying the init.ora file” on page 38.</u>

Accessing IBM FileNet documentation

To access documentation for IBM FileNet products:

- 1 Navigate to the Information Management support page (www.ibm.com/software/data/support).
- 2 Select the appropriate IBM FileNet product from the “Select a category” list.
- 3 On the Product Support page, click **Documentation** and then click **Product Documentation**.
- 4 On the Product Documentation page, locate the document you need, then click the icon in the appropriate release column to access the document.

Conventions used in this manual

The following paragraphs discuss the ways in which we call your attention to information throughout this document.

Typing instructions

To indicate commands, values, or other information you enter at your keyboard, we use the following indentation and typeface:

```
help [CSM_exim]
```

Screen displays

Windows and screen examples shown in the procedures in this document are from Windows servers. These windows and screens could look different on UNIX servers.

Console displays

Information you see displayed at your console is shown in this document in the following manner:

```
Surface '3176' : 1 document processed
Local doc_id = '2235007' Original doc_id = '2235007'
Original ssn = '8502'
Primary copy. No tranlog copy exists.
* document successfully deleted from databases. *
* Purging pages from disk... *
* This document has been successfully purged. *
```

Observe Cautions, Important Notes, Notes, and Tips

Important information and warnings appear in cautions, important notes, notes, and tips. Read these items carefully:

CAUTION Signals possible damaging consequences of an action, such as loss of data or time.

Important Gives added emphasis to notes that contain particularly vital information that must not be skipped over. While all the information in each section is important, these notes are especially important.

Note Draws your attention to essential information you should read.

Tip Introduces an idea that might make your work easier.

Command syntax

Command syntax definitions are indented:

```
ddexim -e > <filename>
```

Optional parameters

Optional parameters and keywords are within square brackets:

```
ddexim [-e] > <filename>
```

Required parameters

Parameters that require you to provide information are shown within angle brackets (< >).

For example, for the following command:

```
ddexim -e > <filename>
```

you must substitute the name of a command for the parameter in angle brackets, such as:

```
ddexim -e > myfile
```

IBM FileNet Education

IBM FileNet provides various forms of education. Please visit the Training and certification page on IBM's Web site at (www-306.ibm.com/software/sw-training/).

Feedback

Documentation feedback

Send comments on this publication or other IBM FileNet Image Services documentation by e-mail to comments@us.ibm.com. Include the name of the product, the version number of the product, and the name and part number of the book (if applicable). If you are commenting on specific text, include the location of the text (for example, a help topic title, a chapter and section title, a table number, or a page number).

Product consumability feedback

Help us identify product enhancements by taking a [Consumability Survey](#). The results of this comprehensive survey are used by product development teams when planning future releases. Although we are especially interested in survey responses regarding the most recent product releases, we welcome your feedback on any of our products.

The survey takes approximately 30 minutes to complete and must be completed in a single session; there is no option to save a partially completed response.

Installing and Upgrading Oracle 10g Software

This chapter explains how to install Oracle 10g software for a FileNet-controlled RDBMS on IBM® FileNet® Image Services 4.1.2 servers.

Server Types

Complete the sections in this document only on the:

Root/Index server during a DUAL server installation.

Root/Index/Storage Library server during a Combined or Entry server installation.

Application server during a WorkFlo Queue Services or SQL Services installation.

Do not install relational database software on Storage Library servers or on Application servers that will not be using WorkFlo Queue Services or SQL services.

Tip

The procedures in this section require that you enter commands as a user with **root** privileges, a FileNet software user such as **fns**, and an **oracle** user. To simplify, open three terminal windows and logon as a different user in each window.

Note

Throughout this document, you will see references using **/opt/oracle/product/10gR2** as a file system home directory, **oracle** as a user (and also as a directory), and **dba** as a group. This document uses **/opt/**

oracle/product/10gR2, oracle, and dba only as examples. Use file systems, groups, directories, and users on your system in place of the examples.

Supported Operating System Software

The following operating systems are supported:

- AIX 5L 5.3 and 6.1)
- HP-UX 11i v2 (B.11.23) and HP-UX 11i v3 (B.11.31)
- Solaris 9 and Solaris 10
- Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008

Supported Oracle10g RDBMS Software

The following versions of Oracle10g Release 2 are supported:

- Oracle Database 10g Release 2 (10.2.0.1.0)
for AIX-Based 5L Systems (64-bit)
- Oracle Database 10g Release 2 (10.2.0.1.0)
for HP-UX PA-RISC (64-bit)
- Oracle Database 10g Release 2 (10.2.0.1.0)
for HP-UX Itanium
- Oracle Database 10g Release 2 (10.2.0.1.0)
for Solaris Operating System (SPARC 64-bit)
- Oracle Database 10g Release 2 (10.2.0.1.0)
for Microsoft Windows (32-bit)

Required Oracle 10gR2 Patch Sets

Also required is:

- Oracle Patch Set 2 (10.0.2.0.3) or
- Oracle Patch Set 3 (10.0.2.0.4)

The Oracle patch set is supplied by IBM FileNet. Oracle patch sets are also available for download from the Oracle MetaLink Web site at:

<http://www.oracle.com/support/metalink/index.html>

Installation Prerequisites

Follow the guidelines in the section, “Installation Planning Considerations” in the *Image Services Installation and Configuration Procedures for IS 4.1.2*.

To download this manual from the IBM support page, see [“Accessing IBM FileNet documentation” on page 11](#).

Upgrade Prerequisites

If you are upgrading from Oracle 9i, you must verify that the current version of Oracle is:

- Oracle 9.2.0.4 or higher

Follow the guidelines in the section, “Upgrade Planning and Procedures” in the *Image Services Upgrade Procedures for 4.1.2*.

To download this manual from the IBM support page, see [“Accessing IBM FileNet documentation” on page 11](#).

Create Users and Groups for fresh installations

If you are installing Oracle on the server for the first time, create a Database Administrator group (such as **dba**) containing an Oracle user (such as **oracle**) using the appropriate system tool for your operating system:

AIX
smit (System Management Interface Tool)

HPUX
sam (System Administration Manager)

SOL
smc (Solaris Management Console)

WIN
User Profiles tab on the System control panel

Also create an **fnusr** group containing a FileNet software user, such as **fnsw**. (Consult with the System Administrator to decide on an appropriate FileNet software user name.)

Add the <dba user> to the **fnusr** group, and add the FileNet software user, such as **fnsw**, to the <dba group>.

Group Name	Members	Group Description
fnusr	<fnsw>, root, <dba user>	FileNet User group. Members can operate any FileNet software (including COLD). All operators and administrators must belong to this group.
<dba group>	<fnsw>, <dba user>	Database Administration group.

Note The <dba group> name **dba** and the <dba user> name **oracle** are suggested but not required.

Preparing a Location for the Oracle Server Software

For both fresh installations and upgrades, create a file system for the new Oracle Server software. The Oracle Server software requires a **minimum** of:

	Free Space for Oracle Software	Free Space for Database
AIX/6000	3.0 GB	1.2 GB
HP-UX (HP 9000)	2.5 GB	1.2 GB
HP-UX (HP Integrity)	5.0 GB	1.2 GB
Solaris	3.5 GB	1.2 GB
Windows	2.0 GB	1.2 GB

The volume names, mount points, user and group names in these tables are only examples. You can name them anything you choose.

AIX/6000

Volume Name	Mount Point	Minimum Size	Actual Size You Create	User Name	Group Name	Mode
orabase1 (Server)	/opt/oracle	3.0 GB		oracle	dba	755
oratmp ***	/oratmp	400 MB		oracle	dba	755

HP-UX (HP 9000 and HP Integrity)

Volume Name	Mount Point	Minimum Size	Actual Size You Create	User Name	Group Name	Mode
orabase1 (Server)	/opt/oracle	5.0 GB		oracle	dba	755
oratmp ***	/oratmp	400 MB		oracle	dba	755

Solaris

Volume Name	Mount Point	Minimum Size	Actual Size You Create	User Name	Group Name	Mode
orabase1 (Server)	/opt/oracle	3500m		oracle	dba	755
oratmp ***	/oratmp	400m		oracle	dba	755

* The oratmp file system is used for temporary space during the Oracle software installation. It can be removed at the end of this procedure.

Windows

The Windows operating system does not use logical volumes. Oracle requires **2 GB** for the Oracle 10g software, **1.2 GB** for datasets, and **500 MB** for temporary space.

The temporary space is required for decompressing Oracle files from the media onto the c: drive, and is only needed temporarily. These files are automatically deleted when the installation is finished. If desired, you can move this space to another drive by setting the TEMP variable.

To check your free disk space, open the Windows Explorer, right click on the drive where you plan to install your FileNet or RDBMS software, and choose Properties.

Create an Oracle Home Directory

Within the Oracle base volume (ORACLE_BASE=/opt/oracle), create an Oracle home directory where you will install the new Oracle software. For example:

- For Oracle 10g, you might create:

```
/opt/oracle/product/10gR2
```

```
(ORACLE_HOME=/opt/oracle/product/10gR2)
```

Set Oracle Directory Ownership and Permissions

As a user with **root** privileges, change the ownership and access permissions for the Oracle directories. Verify that the ownership is set to the Oracle user and the Database Administration group.

Note On Solaris servers, use the Volume Manager to verify that the user and group ownership and the access permissions (mode) are set appropriately as shown in the table in the previous subsection.

If the access permissions are not correct, change them using this syntax:

```
chown -R <Oracle user>:<DBA group> <path>  
chmod -R 775 <path>
```

For example, if the Oracle software is going to be located in /usr/ora/10g, enter commands similar to these:

```
chown -R oracle:dba /opt/oracle/product/10gR2  
chmod -R 775 /opt/oracle/product/10gR2
```

Upgrade from an earlier version of Oracle

- If you are **upgrading** from Oracle 9i, skip to [Chapter 2, “Upgrade to Oracle 10g Release 2,” on page 27](#).
- If you are **installing** Oracle 10g as a fresh installation on this server, continue with the next section.

Set the Environment Variables on UNIX Servers

If you’re installing Oracle on a Windows server, skip to [“Installing the Oracle 10.2.0.1.0 Software” on page 23](#).

- 1 As the **oracle** user, verify the environment variables ORACLE_HOME and ORACLE_SID are set correctly.

```
echo $ORACLE_HOME  
echo $ORACLE_SID
```

- 2 ORACLE_HOME must point to the location of the Oracle 10.2.0 software, and ORACLE_SID must be IDB, for example. To change them:

- For Bourne or Korn shell, enter:

```
export ORACLE_HOME=<Oracle Home Directory>  
export ORACLE_SID=<Oracle Site Identifier>
```

- For C shell, enter:

```
setenv ORACLE_HOME <Oracle Home Directory>
setenv ORACLE_SID <Oracle Site Identifier>
```

3 Verify that the DISPLAY environment variable is set.

- For Bourne or Korn shell, enter:

```
export DISPLAY=<host_identifier>:0
```

- For C shell, enter:

```
setenv DISPLAY <host_identifier>:0
```

where <host_identifier> is either the server name or its IP address.

Installing the Oracle 10.2.0.1.0 Software

This section provides information on installing **Oracle Database 10g Enterprise Edition, version 10.2.0.1.0**. The Oracle 10g media is composed of multiple DVDs.

Load the Oracle 10g Software Media

1 Insert into the DVD drive and use the appropriate command to mount the first Oracle 10g DVD, if necessary.

AIX

- On AIX servers, insert the first DVD into the drive and enter:

```
mount -rv cdrfs /dev/cd0 /dvd
```

HPUX

- On HP-UX servers, insert the first DVD into the drive and enter a command similar to this:

```
/usr/sbin/mount -F cdrfs -o rr /dev/dsk/cxytydz /dvd
```

In this example, /dvd is the disc mount point directory and /dev/dsk/cxytydz is the device name for the disc device, for example /dev/dsk/c0t2d0.

SOL

- On Solaris servers, insert the first DVD. The DVD mounts automatically.

WIN

- On Windows servers, insert the DVD. (There is just one DVD for Oracle 10g on Windows.) The DVD mounts automatically.

Start the Oracle Universal Installer

- 1 As **oracle** user, log into the root directory and start the Oracle Universal Installer by entering:

AIX

- On AIX servers:

```
cd /  
/dvd/runInstaller
```

HPUX

- On HP-UX servers:

```
cd /  
/dvd/runInstaller
```

SOL

- On Solaris servers:

```
cd /  
/dvd/dvd0/runInstaller
```

WIN

- On Windows servers:

```
<drive>:\runinstaller
```

Important

DO NOT change directories onto the DVD to run the Oracle installer. If you log onto the DVD, you will not be able to change disks when requested.

- 2 On the **Inventory** screen, enter the location where the base files are to be installed, such as `/opt/oracle/product/10gR2`.

- 3 On the **UNIX Group** screen, select the group that will have admin access, such as dba.
- 4 On the **root.sh** screen, run `/tmp/oraRoot.sh` before continuing with the installation.
- 5 At the File Locations screen, verify the destination directory is correct (such as, `/opt/oracle/product/10gR2`).
- 6 On the Available Products screen, select **Advanced Installation**.
- 7 On the Installation Types screen, select either:
 - **Enterprise Edition**
 - **Standard Edition**

Tip Image Services is compatible with both; however, Enterprise Edition is recommended.

- 8 Select the **Install Software only** option. (Do not create a demo database.)
- 9 Accept the default values for the remaining prompts.
- 10 On UNIX servers, when the Oracle Installer is finished installing products from Disk 1, the Disk Location screen displays and prompts you to insert Disk 2.
 - a As a user with **root** privileges, unmount or eject the current DVD.
 - b Remove Disk 1 and insert Disk 2 into the DVD drive.
 - c As soon as the second DVD is mounted, click **OK** on the Disk Location screen.

The Oracle Universal Installer continues installing products.

Note You can ignore Warnings for patches that refer to older patch versions.

- 11 When the Oracle software installation is successful, return to the **oracle** user's home directory, and unmount and eject the final Oracle DVD.

Installing the Oracle Patch Set

Click the appropriate link below for the Oracle patch set instructions for your specific Image Services system:

- [Chapter 3, "AIX/6000," on page 43](#)
- [Chapter 4, "HP-UX \(HP 9000\)," on page 48](#)
- [Chapter 5, "HP-UX \(HP Integrity\)," on page 53](#)
- [Chapter 6, "Solaris," on page 58](#)
- [Chapter 7, "Windows Server," on page 63](#)

2

Upgrade to Oracle 10g Release 2

This chapter covers upgrading local Oracle database configurations from Oracle 9i to Oracle 10.0.2.0.2.

Important

Follow the steps in this chapter **after** you have upgraded the Image Services software to IS 4.1.2.

Skip the section, “Upgrade the Relational Database Software” in the *Upgrade Procedure for IS 4.1.2*.

When you get to the section “Additional Database Tasks” in the *Upgrade Procedure*, come back to this document to install the Oracle 10g software.

Install the Oracle 10g software

Refer to the Oracle documentation and the Oracle Metalink information (for registered users) on Oracle’s Web site for complete information.

Verifying the current Oracle release

Verify that the current version of Oracle is:

- Oracle **9.2.0.4** or higher (for IS 4.0.50 or higher)

Creating a new Oracle home directory

Within the Oracle base volume (ORACLE_BASE=/opt/oracle), create an Oracle home directory where you plan install the new Oracle software.

- For example, for Oracle 10g server software, create:

```
/opt/oracle/product/10gR2
```

Starting the Oracle installer

Install Oracle 10g in the ORACLE_HOME directory you created in the previous section.

- 1 Start the Oracle Universal Installer:

UNIX

On UNIX servers:

As the **oracle** user, make sure the Oracle10g media has been downloaded to your server or that the DVD media is loaded, and start the Oracle Universal Installer.

runInstaller

WIN

On Windows servers:

If you received the Oracle10g software on DVD media, the Oracle Universal Installer starts automatically when you load the DVD. If the installer does not start automatically, or if you downloaded the media, use Windows Explorer to navigate to the location of the software and click Setup.

- 2 Select the **Advanced Installation** option.

- 3 Select the **Enterprise Edition** option.
(Do not create a demo database.)
- 4 Select the **Install Software only** option.
- 5 Accept the default values for the remaining prompts and change DVDs as requested.
(There is no need to select individual products.)

Note You can ignore Warnings for patches that refer to older patch versions.

- 6 Leave the ORACLE_HOME variable set to the current location of the Oracle 9i software.

Downloading the Readiness and Rollback segment scripts

Before you upgrade the IS index database to Oracle 10gR2, you must run the Oracle 10gR2 utility to check the database and make sure it is ready for the upgrade. This Oracle utility and a FileNet utility to expand rollback segments are available for download on the IBM Web site.

Important When you run the following scripts on an Oracle 8I system, the server must be running in 32-bit mode.

- 1 On the IBM Web site, navigate to the Information Management Product Fulfillment page and sign in with your IBM ID and password.
- 2 In the next window, select FileNet Products, and click **Continue**.
- 3 Verify your Business Contact Information, and click **Submit**.

- 4 In the Entitlement area of the subsequent window, enter your access key. Click **Submit**.
- 5 From the list of FileNet Products, select **Oracle 10g Pre-Upgrade Prep Scripts**. Scroll to the bottom of the window and click **Continue**.
- 6 Select either the .tar file or the .zip file:

UNIX**ora10g_preupgradeprep.tar****WIN****ora10g_preupgradeprep.zip**

- 7 View the license agreement. If you choose to continue the download, select **I agree** and click **I confirm** to complete the download.
- 8 Expand the downloaded file to extract the two scripts inside:

utlu102i.sql – This Oracle script determines the readiness of your databases for the upgrade to Oracle 10g. Copy this script to /fnsw/local/tmp on a UNIX server, or to \fnsw_loc\tmp on a Windows server.

fn_oraaltrbs8.sql – This FileNet script extends the size of Oracle rollback segments, if necessary. Copy this script to /fnsw/oracle on a UNIX server, or to \fnsw\oracle on a Windows server.

Running the Oracle readiness utility

- 1 As the FileNet software user, such as **fnsw**, enter the following command to start the Oracle software:

fn_util startbdb

- 2 As either the **fns** user or the **oracle** user, run the readiness utility. (The following is a UNIX example.)

Note ORACLE_HOME should be set to the location of the current Oracle 8i software.

```
$sqlplus "/as sysdba"
```

```
SQL>spool /tmp/utlu102i.out
```

```
SQL>@/tmp/utlu102i.sql
```

```
SQL>exit
```

- 3 Check the output file /tmp/utlu102i.out for any warnings and failures, and fix the problems appropriately.
 - a If some tablespaces need to be extended for a successful upgrade, see **“Appendix B – Defiects” on page 69** for the fn_edit procedures to add a data file to the specific tablespace.
 - b If the rollback segments need to be extended, run the following script as the **fns** user:

UNIX

```
$sqlplus @/fns/oracle/fn_oraaltrbs8.sql
```

WIN

```
$sqlplus @C:\fns\oracle\fn_oraaltrbs8.sql
```

Important

The readiness utility report contains a false message that asks you to add the streams_pool_size variable to the /fns/local/oracle/init.ora file. **You can ignore this warning.** The message states:

```
WARNING: --> "streams_pool_size" is not currently defined and
needs a value of at least 50331648
```

Adding the `streams_pool_size` value to `init.ora` prevents the FileNet Oracle database from starting. The `streams_pool_size` variable is not a valid Oracle 8 or Oracle 9 `init.ora` value.

Verifying the oratab file (UNIX servers only)

Make sure the IDB instance is listed in the `oratab` file so the Oracle tools can identify the instances that need to be upgraded. The location of `oratab` is different for different operating systems:

AIXHPUX

On AIX and HP-UX servers:

`/etc/oratab`

SOL

On Solaris servers:

`/var/opt/oracle/oratab`

For example, verify that the following entries are in `oratab`:

```
*:/usr/ora/912:N  
IDB:/usr/ora/912:N
```

where IDB is the `$ORACLE_SID` and

`/usr/ora/912` is the current `$ORACLE_HOME`

Creating a raw partition for the SYSAUX tablespace (UNIX servers only)

- 1 Use your operating system tools to create a new raw partition for the SYSAUX tablespace. The new raw partition must be at least **500 MB**.

- 2 After the raw partition has been created, use the `chmod` tool to set the access permissions for the partition:

```
chmod 664 SYSAUX
```

- 3 Then change to the `/fnsw/dev/1` directory:

```
cd /fnsw/dev/1
```

- 4 Link the new partition to `/fnsw/dev/1`. For example:

AIX

```
ln -s /dev/rSYSAUX SYSAUX
```

HPUX

```
ln -s /dev/fnvg/SYSAUX SYSAUX
```

SOL

```
ln -s /dev/vx/rdisk/fndg/SYSAUX SYSAUX
```

Updating the ORACLE_HOME location

- 1 Use the `inst_templates` tool to set the `ORACLE_HOME` variable to the location of Oracle 10gR2 software, such as `/opt/oracle/product/10gR2`.

As the FileNet software user, enter:

```
/fnsw/etc/inst_templates
```

- 2 Accept the default value for each prompt until you are asked to enter the relational database home directory. Enter the location of the Oracle 10gR2 software, such as `/opt/oracle/product/10gR2`.

```
Enter the relational database home directory [...]: /opt/oracle/product/10gR2
```

Accept the default values for the remaining prompts.

- 3 When `inst_templates` is finished, log out as the FileNet software user and log back in to put the templates into effect.

Upgrade the Index database

Turning off Archive Logging (if necessary)

If Archive Logging is active on the server, turn it off before updating the Oracle database to prevent non-essential records from being written to the log file. Turning off Archive Logging will help the upgrade run faster.

Stopping the Image Services software

- 1 As the FileNet software user, such as **fnsfw**, shut down the FileNet Image Services software by entering:

```
initfnsfw -y stop
```

- 2 Kill all remaining FileNet processes by entering:

UNIX

```
killfnsfw -DAy
```

WIN

```
killfnsfw -Dy
```

The `-D` option terminates FileNet daemons (such as `TM_daemon`). Normally, the `TM_daemon` process continues to run after IS is stopped, but occasionally, it is necessary to terminate `TM_daemon` too.

The `-A` option removes all IPC segments. (UNIX only)

The `-y` option automatically answers Yes to subsequent **killfnsfw** prompts.

Starting the Oracle Database Upgrade Assistant

To upgrade the index database for Oracle 10gR2, select the defaults for each prompt, unless indicated in the following steps.

- 1 Change to the new ORACLE_HOME directory and start the Oracle database upgrade assistant:

```
cd $ORACLE_HOME/bin
```

```
dbua
```

- 2 During the index database upgrade, you are prompted for the path name of the initialization parameter file. Enter:

```
/fnsw/local/oracle/init.ora
```

- 3 Click **Yes** to continue when you see the warning of CONNECT role changes.
- 4 When you are prompted for creating SYSAUX tablespace, enter the path /fnsw/dev/1.
 - Click "Reuse Existing File Name"
 - Keep the default size of 500 MB
 - Clear the check box, "Automatically extend datafile when full"
- 5 When you are prompted for configure the database with OEM, select "Use Database Control for Database Management."
- 6 Enter passwords for DBSNMP and SYSMAN.
- 7 When the Oracle database upgrade assistant is finished, check the log files in the following directory and ensure that there are no errors:

```
$ORACLE_HOME/cfgtoollogs/dbua
```

- 8 Start the database and verify that it starts successfully:

```
fn_util startpdb
```

- 9 Then shutdown the database again:

```
fn_util stoppdb
```

Installing the Oracle 10gR2 (10.0.2.0.3 or 10.0.2.0.4) patch set

Click the appropriate link below for the Oracle patch set instructions for your specific Image Services operating system:

- [Chapter 3, “AIX/6000,” on page 43](#)
- [Chapter 4, “HP-UX \(HP 9000\),” on page 48](#)
- [Chapter 5, “HP-UX \(HP Integrity\),” on page 53](#)
- [Chapter 6, “Solaris,” on page 58](#)
- [Chapter 7, “Windows Server,” on page 63](#)

After you have finished installing the patch set, and interim patch for AIX and Solaris, return to this section.

Testing the Oracle database

- 1 Start the database and verify that it starts successfully:

```
fn_util startpdb
```

- 2 Then shutdown the database again:

```
fn_util stoppdb
```

Adding the SYSAUX tablespace to the IS configuration (UNIX and Windows)

Use the IS configuration editor, `fn_edit`, to add the SYSAUX tablespace to the IS configuration.

- 1 Start the IS configuration editor:

`fn_edit &`

- 2 On the Relational Databases tab, select the Oracle subtab.
 - a Verify that the Version Number field is set correctly. Change the value in this field to reflect the newly installed Oracle version. For example:

`10.2.0.4`

- b Also verify that the Oracle Home field contains the correct path to the Oracle 10g software. For example:

`/opt/oracle/product/10gR2`

- 3 Select the Procedures tab.
 - a Choose the procedure “Create an Optional Relational DB Dataset.”
 - b When you are prompted to select the dataset type to create, choose “Oracle sysaux tablespace.”
 - c When you are prompted to enter the dataset path, enter:

`/fnsw/dev/1/SYSAUX`

- d When you are prompted to enter the dataset size, enter the size of the raw partition you created earlier, such as 500 MB.

4 After you add the new dataset to the configuration, exit from `fn_edit` and save your changes.

5 Run `fn_build` to regenerate the IS system configuration files.

```
fn_build -a
```

6 Then run `fn_util` to update the relational database.

```
fn_util updatertdb
```

7 Start both the IS and Oracle software together by entering:

```
Initfnsw start
```

Verifying the `init.ora` file

The `init.ora` file contains initialization parameters for the Oracle Relational Database Management System.

The Image Services software regenerates most of the parameters in this file each time IS is restarted. The parameter settings are taken from the configuration database (CDB) and can be changed by using `fn_edit`, the FileNet system configuration editor. However, you can add custom Oracle parameter settings directly to this file as well.

A comment line divides the file into two parts:

- The parameters above the comment line are automatically reset to the values stored in the configuration database each time the Image Services software is restarted.
- The parameters below the line are not reset.

Important Add or change only the parameters **below** the comment line. Parameters above the comment line are regenerated each time the Image Services software is restarted. Any parameters you add or change above the comment line will be lost the next time the Image Services software restarts.

To verify your init.ora file, follow the appropriate steps for your server:

- [“UNIX servers” on page 39](#)
- [“Windows servers” on page 40](#)

UNIX servers

Use the **more** command to verify the current parameter settings. For example:

```
more /fnsw/local/oracle/init.ora
```

If you decide to modify the init.ora file now, you can use your favorite text editor, such as **vi**, to add or change parameters below the comment line. For example, follow these steps:

- 1 As **fnsw** user (or as any member of the **dba** group), enter:

```
vi /fnsw/local/oracle/init.ora
```

Your init.ora file might look similar to this example:

```
control_files = /fnsw/local/oracle/control0/ctl.ora,/fnsw/local/oracle/
control1/ctl.ora
db_name = indexdb
db_block_buffers = 1000
db_block_size = 2048
...
sequence_cache_entries = 10
sequence_cache_hash_buckets = 10
shared_pool_size = 3500000
compatible = 10.0.2.0.4
sort_area_size = 131072
rollback_segments = rs0,rs1,rs2,rs3
# WARNING: lines above this line will be replaced by FileNet.

open_cursors = 50
```

- 2 To change or add parameters, see your Oracle documentation for complete information on the parameters that you can add to this file.
- 3 After you finish modifying the file, type Shift+z+z to save your changes and exit **vi**.
- 4 Skip to the section, **[“Continue with the Image Services upgrade” on page 42.](#)**

Windows servers

Use the Windows Server notepad or a text editor such as “edit” to verify the current parameter settings. For example, using “type,” enter the following at a Command Prompt:

Type <drive>:\fnsw_loc\oracle\init.ora

If you decide to modify the init.ora file now, you can add or change parameters **below** the comment line. Follow these steps to modify the file:

- 1 As **fnsw** user (or as any member of the ora_dba group), enter:

```
edit <drive>:\fnsw_loc\oracle\init.ora
```

Note ora_dba is the default group name for FileNet-controlled Oracle databases.

Your init.ora file might look similar to this example:

```
C:\>type d:\fnsw_local\oracle\init.ora
control_files = D:\FNSW_LOC\oracle\control0\ctl.ora,D:\FNSW_
LOC\oracle\control1\ctl.ora
db_name = indexdb
db_block_buffers = 1000
db_block_size = 2048
...
sequence_cache_entries = 10
sequence_cache_hash_buckets = 10
shared_pool_size = 3500000
compatible = 10.0.2.0.3
remote_login_passwordfile = exclusive
sort_area_size = 131072
rollback_segments = rs0,rs1,rs2,rs3
# WARNING: lines above this line will be replaced by FileNet.

open_cursors = 50

C:\>
```

- 2 To change or add parameters, see your Oracle documentation for complete information on the parameters that you can add to this file.
- 3 After you finish modifying the file, save your changes and exit.

Continue with the Image Services upgrade

Continue with the subsection, “Additional Relational Database Tasks” in the section, “Upgrading the Image Services software” of the *IS Upgrade Procedure*. To download this manual from the IBM support page, see [“Accessing IBM FileNet documentation” on page 11](#).

Preparing to Install the Patch Set

Load the Oracle Patch Set DVD

- 1 Insert the FileNet DVD containing the 10.0.2.0.3 or 10.0.2.0.4 Patch Set for Oracle Database Server AIX-5L Based.
- 2 Mount the DVD using this command syntax:

```
mount -rv cdrfs <device_name> <mount_point>
```

- a If you're not sure of the DVD <device_name>, enter the following command:

```
lsdev -C | grep cd
```

The DVD device name will be similar to **/dev/dvd0**.

- b The <mount_point> is a directory on the server. If a /dvd directory does not already exist on the server for this purpose, enter:

```
mkdir /dvd
```

Then, enter the mount command similar to this example:

```
mount -rv cdrfs /dev/dvd0 /dvd
```

Set Environment Variables

- 1 As the **oracle** user, verify that the environment variables ORACLE_HOME and ORACLE_SID are set correctly.

```
echo $ORACLE_HOME  
echo $ORACLE_SID
```

- 2 ORACLE_HOME must point to the location of the Oracle 10.2.0 software, and ORACLE_SID must be IDB, for example. To change them:

- For Bourne or Korn shell, enter:

```
export ORACLE_HOME=<Oracle Home Directory>  
export ORACLE_SID=<Oracle Site Identifier>
```

- For C shell, enter:

```
setenv ORACLE_HOME <Oracle Home Directory>  
setenv ORACLE_SID <Oracle Site Identifier>
```

- 3 Verify that the DISPLAY environment variable is set.

- For Bourne or Korn shell, enter:

```
export DISPLAY=<host_identifier>:0
```

- For C shell, enter:

```
setenv DISPLAY <host_identifier>:0
```

where <host_identifier> is either the server name or its IP address.

- 4 Use the Oracle Universal Installer to install the Patch Set as described in the next section.

Start the Oracle Universal Installer

- 1 As **oracle** user, enter the following command to start the installer:

`./dvd/runInstaller`

- 2 On the File Locations screen in the **Source...** entry field, click the **Browse...** button and navigate to the *stage* directory located on the DVD. (The **stage** directory is located under the Disk1/ sub-directory on the DVD.)
- 3 Select the products.jar file.
The products file will be read and the installer will load the product definitions. The products to be loaded are displayed on the Summary screen.
- 4 When you're prompted to select either the Oracle Universal Installer or the Oracle Patch Set, select:

Oracle10gR2 10.0.2.0.3.0 Patch Set

- or -

Oracle10gR2 10.0.2.0.4.0 Patch Set

- 5 Verify the products listed on the Summary screen.

Note Disregard the amount of space shown as Required. It assumes that all products will be installed, and is **not** accurate for this update. The amount of space you actually need is much less.

- 6 On the Summary screen, click **Install**. Expect the installation to take about an hour.

- 7 If you encounter problems writing to a file during the installation process, as shown below, change the permissions for the Oracle libraries and binaries.

Error in writing to file /opt/oracle/product/10gR2/...

- To add write permission for the owner of a file, enter:

chmod u+w <filename>

- To change the ownership of a file, enter:

chown oracle:dba <filename>

- To rename a file, enter:

mv <filename> <newfilename>

After you have made the appropriate change, click **Retry** on the Error screen to continue.

- 8 When the installer prompts you to run the root.sh script, open a new X window and log on as a user with **root** privileges to run \$ORACLE_HOME/root.sh.

Accept the default values at any prompts you receive.

- 9 After the installation has completed successfully, use the following command to unmount Disk1.

umount /dvd

Change Permissions for the Oracle Software

Set the access permissions:

\$ORACLE_HOME/install/changePerm.sh

Continue with the installation or upgrade

Installation

If you are installing Oracle and Image Services on a new server, you are now ready to install the Image Services software.

Refer to the Image Services *Installation and Configuration Procedures for IS 4.1.2*. To download this manual from the IBM support page, see [**“Accessing IBM FileNet documentation” on page 11.**](#)

Upgrade

If you are upgrading the Oracle software on an existing IS system, return to the section, [**“Testing the Oracle database” on page 36**](#) in Chapter 2.

Preparing to Install the Patch Set

Create a Temporary File System

- 1 Use SAM to create a temporary file system named `/ora10g_p`. This file system must be **600 MB** or larger.
- 2 Give this new file system universal access privileges:

```
chmod 777 /ora10g_p
```

Load the Oracle Patch Set DVD

- 1 Insert the FileNet DVD containing the 10.0.2.0.3 or 10.0.2.0.4 Patch Set for Oracle Database Server HP-UX PA-RISC.
- 2 As a user with **root** privileges, mount the DVD device on the `/dvd` directory by entering a command similar to the following:

```
mount /dev/dsk/c2t2d0 /dvd
```

where `/dev/dsk/c2t2d0` is the DVD device file name.

- 3 Change to the new file system and extract the Patch Set archive file from the DVD. Enter:

```
cd /ora10g_p  
cpio -idcmv < /dvd/10202_hpunix_Release.cpio
```


Set Environment Variables

As the **oracle** user, verify that the environment variables ORACLE_HOME and ORACLE_SID are set correctly.

```
echo $ORACLE_HOME  
echo $ORACLE_SID
```

ORACLE_HOME must point to the location of the Oracle 9.2.0 software, and ORACLE_SID must be unchanged, such as IDB.

- For Bourne or Korn shell, enter:

```
export ORACLE_HOME=<Oracle Home Directory>  
export ORACLE_SID=<Oracle Site Identifier>
```

- For C shell, enter:

```
setenv ORACLE_HOME <Oracle Home Directory>  
setenv ORACLE_SID <Oracle Site Identifier>
```

- 4 Verify that the DISPLAY environment variable is set.

- For Bourne or Korn shell, enter:

```
export DISPLAY=<host_identifier>:0
```

- For C shell, enter:

```
setenv DISPLAY <host_identifier>:0
```

where <host_identifier> is either the server name or its IP address.

- 5 Use the Oracle Universal Installer to install the Patch Set as described in the next section.

Start the Oracle Universal Installer

- 1 Change to the \$ORACLE_HOME/bin directory where the Oracle Universal Installer is located.

For example:

```
cd /opt/oracle/product/10gR2/bin
```

- 2 Start the installer from the appropriate directory on your server:

```
./runInstaller
```

- 3 On the File Locations screen, click **Browse** for the Source... entry field and navigate to the *stage* directory where it was copied onto the server's hard drive.
- 4 Select the products.jar file.
The products file will be read and the installer will load the product definitions. The products to be loaded are displayed on the Summary screen.
- 5 At the prompt to select either the Oracle Universal Installer or the Oracle Patch Set, select:

```
Oracle10gR2 10.0.2.0.3.0 Patch Set
```

```
- or -
```

```
Oracle10gR2 10.0.2.0.4.0 Patch Set
```

- 6 Verify the products listed on the Summary screen.

Note Disregard the amount of space shown as Required. It assumes that all products will be installed, and is **not** accurate for this update. The amount of space you actually need is much less.

- 7 On the Summary screen, click **Install**. Expect the installation to take about an hour.
- 8 If you encounter problems writing to a file during the installation process, change the permissions for the Oracle libraries and binaries.

Error in writing to file /opt/oracle/product/10gR2/...

- To add write permission for the owner of a file, enter:

chmod u+w <filename>

- To change the ownership of a file, enter:

chown oracle:dba <filename>

- To rename a file, enter:

mv <filename> <newfilename>

After you've made the appropriate change, click **Retry** on the Error screen to continue.

- 9 At the prompt to run the root.sh script, open a new X window and log on as **root** user to run \$ORACLE_HOME/root.sh.

Accept the default values at any prompts you receive.

- 10 After the installation has completed successfully, click **Exit** and confirm to exit the installer.

Change Permissions for the Oracle Software

Set the access permissions by entering:

\$ORACLE_HOME/install/changePerm.sh

Continue with the installation or upgrade

Installation

If you are installing Oracle and Image Services on a new server, you are now ready to install the Image Services software.

Refer to the Image Services *Installation and Configuration Procedures for IS 4.1.2*. To download this manual from the IBM support page, see [**“Accessing IBM FileNet documentation” on page 11.**](#)

Upgrade

If you are upgrading the Oracle software on an existing IS system, return to the section, [**“Testing the Oracle database” on page 36**](#) in Chapter 2.

Preparing to Install the Patch Set

Load the Oracle Patch Set DVD-ROM

- 1 Insert the FileNet DVD containing the 10.0.2.0.3 or 10.0.2.0.4 Patch Set for Oracle Database Server HP-UX Itanium.
- 2 As a user with **root** privileges, mount the DVD-ROM device on the /dvd directory by entering a command similar to the following:

```
mount /dev/dsk/c2t2d0 /dvd
```

where **/dev/dsk/c2t2d0** is the DVD-ROM device file name.

Set Environment Variables

- 1 As the **oracle** user, verify that the environment variables ORACLE_HOME and ORACLE_SID are set correctly.

```
echo $ORACLE_HOME  
echo $ORACLE_SID
```

ORACLE_HOME must point to the location of the Oracle 10.2.0 software, and ORACLE_SID must be unchanged; IDB, for example.

- For Bourne or Korn shell, enter:
export ORACLE_HOME=<Oracle Home Directory>
export ORACLE_SID=<Oracle Site Identifier>
- For C shell, enter:
setenv ORACLE_HOME <Oracle Home Directory>
setenv ORACLE_SID <Oracle Site Identifier>

2 Verify that the DISPLAY environment variable is set.

- For Bourne or Korn shell, enter:
export DISPLAY=<host_identifier>:0
- For C shell, enter:
setenv DISPLAY <host_identifier>:0

where <host_identifier> is either the server name or its IP address.

3 Use the Oracle Universal Installer to install the Patch Set as described in the next section.

Start the Oracle Universal Installer

1 Start the installer from the appropriate directory on your server:

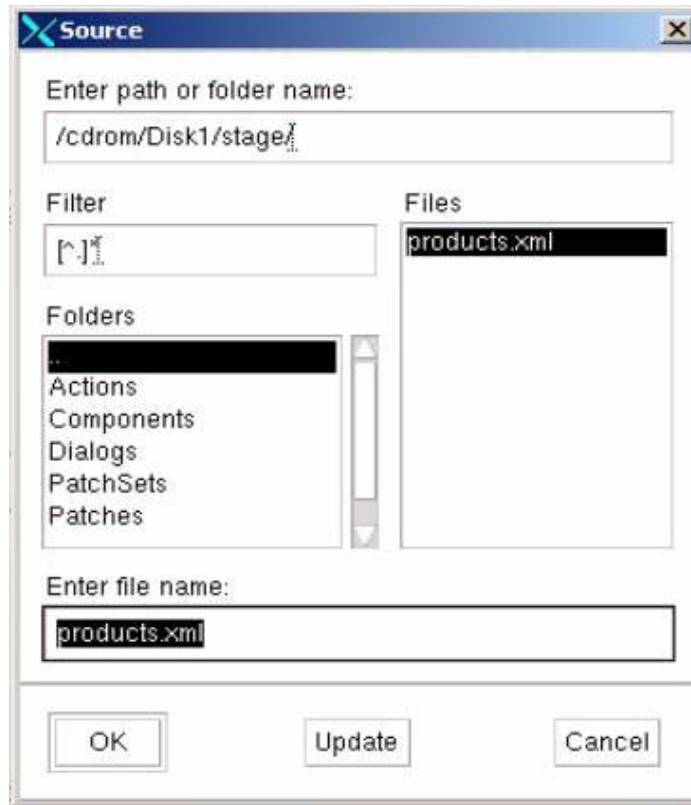
/dvd/Disk1/runInstaller

2 On the Specify File Locations screen, click the **Browse** button for the Source entry field and navigate to the *stage* directory where it was copied onto the server's hard drive.

3 Select the products.xml file.

The products file will be read and the installer will load the product def-

initions. The products to be loaded are displayed on the Summary screen.



- 4 At the prompt to select either the Oracle Universal Installer or the Oracle Precompilers, select:

Oracle10gR2 Patchset 10.0.2.0.3.0

- or -

Oracle10gR2 Patchset 10.0.2.0.4.0

- 5 Verify the products listed on the Summary screen.

Note Disregard the amount of space shown as Required. It assumes that all products will be installed, and is **not** accurate for this update. The amount of space you actually need is much less.

- 6 On the Summary screen, click **Install**. Expect the installation to take about an hour.
- 7 If you encounter problems writing to a file during the installation process, change the permissions for the Oracle libraries and binaries.

Error in writing to file /opt/oracle/product/10gR2/...

- To add write permission for the owner of a file, enter:

```
chmod u+w <filename>
```

- To change the ownership of a file, enter:

```
chown oracle:dba <filename>
```

- To rename a file, enter:

```
mv <filename> <newfilename>
```

After you've made the appropriate change, click **Retry** on the Error screen to continue.

- 8 At the prompt to run the root.sh script, open a new X window and log on as a user with **root** privileges to run \$ORACLE_HOME/root.sh.

Accept the default values at any prompts you receive.

Change Permissions for the Oracle Software

Set the access permissions by entering:

```
$ORACLE_HOME/install/changePerm.sh
```


Continue with the installation or upgrade

Installation

If you are installing Oracle and Image Services on a new server, you are now ready to install the Image Services software.

Refer to the Image Services *Installation and Configuration Procedures for IS 4.1.2*. To download this manual from the IBM support page, see [**“Accessing IBM FileNet documentation” on page 11**](#).

Upgrade

If you are upgrading the Oracle software on an existing IS system, return to the section, [**“Testing the Oracle database” on page 36**](#) in Chapter 2.

Preparing to Install the Patch Set

Create a Temporary File System

- 1 Create a temporary file system named `/ora10g_p`. This file system must be **900 MB** or larger.
- 2 Give this new file system universal access privileges:

```
chmod 777 /ora10g_p
```

Load the Oracle Patch Set DVD

Insert the DVD containing the 10.0.2.0.3 or 10.0.2.0.4 Patch Set for Oracle Database Server Solaris Operating System (SPARC 64-bit). The DVD mounts automatically.

Set Environment Variables

- 1 As the **oracle** user, verify that the environment variables `ORACLE_HOME` and `ORACLE_SID` are set correctly.

```
echo $ORACLE_HOME  
echo $ORACLE_SID
```

ORACLE_HOME must point to the location of the Oracle 10g software, and ORACLE_SID must be unchanged, such as IDB.

- For Bourne or Korn shell, enter:

```
export ORACLE_HOME=<Oracle Home Directory>  
export ORACLE_SID=<Oracle Site Identifier>
```

- For C shell, enter:

```
setenv ORACLE_HOME <Oracle Home Directory>  
setenv ORACLE_SID <Oracle Site Identifier>
```

- 2 Change to the \$ORACLE_HOME/bin directory where the Oracle Universal Installer is located.

For example:

```
cd /opt/oracle/product/10gR2/bin
```

- 3 Verify that the DISPLAY environment variable is set.

- For Bourne or Korn shell, enter:

```
export DISPLAY=<host_identifier>:0
```

- For C shell, enter:

```
setenv DISPLAY <host_identifier>:0
```

where <host_identifier> is either the server name or its IP address.

- 4 Use the Oracle Universal Installer to install the Patch Set as described in the next section.

Start the Oracle Universal Installer

- 1 Start the installer from the appropriate directory on your server:

`./runInstaller`

- 2 On the File Locations screen at the **Source...** entry field, click **Browse...** and navigate to the *stage* directory located on the DVD. (The *stage* directory is located under the Disk1/ sub-directory on the DVD.)
- 3 Select the products.jar file.
The products file will be read and the installer will load the product definitions. The products to be loaded will be displayed.
- 4 At the prompt to select either the Oracle Universal Installer or the Oracle Patch Set, select:

Oracle10iR2 10.0.2.0.3.0 Patch Set
- or -
Oracle10iR2 10.0.2.0.4.0 Patch Set
- 5 Verify the products listed on the Summary screen.

Note Disregard the amount of space shown as Required. It assumes that all products will be installed, and is **not** accurate for this update. The amount of space you actually need is much less.

- 6 On the Summary screen, click **Install**. Expect the installation to take about an hour.
- 7 If you encounter problems writing to a file during the installation process, change the permissions for the Oracle libraries and binaries.

Error in writing to file /opt/oracle/product/10gR2/...

- To add write permission for the owner of a file, enter:

```
chmod u+w <filename>
```

- To change the ownership of a file, enter:

```
chown oracle:dba <filename>
```

- To rename a file, enter:

```
mv <filename> <newfilename>
```

After you have made the appropriate change, click **Retry** on the Error screen to continue.

- 8** At the prompt to run the root.sh script, open a new X window and log on as a user with **root** privileges to run \$ORACLE_HOME/root.sh.

Accept the default values at any prompts you receive.

Change Permissions for the Oracle Software

Set the access permissions:

```
$ORACLE_HOME/install/changePerm.sh
```

Continue with the installation or upgrade

Installation

If you are installing Oracle and Image Services on a new server, you are now ready to install the Image Services software.

Refer to the Image Services *Installation and Configuration Procedures for IS 4.1.2*. To download this manual from the IBM support page, see **[“Accessing IBM FileNet documentation” on page 11.](#)**

Upgrade

If you are upgrading the Oracle software on an existing IS system, return to the section, **[“Testing the Oracle database” on page 36](#)** in Chapter 2.

Preparing to Install the Patch Set

- 1 Insert the DVD containing the 10.0.2.0.3 or 10.0.2.0.4 Patch Set for Oracle Database Server Microsoft Windows (32-bit) into the DVD drive.
- 2 Unzip the Patch Set file from the DVD onto the server's hard drive.

Starting the Oracle Universal Installer

- 1 Open a Command Prompt window and change to the following directory:

```
<drive>:\<unzip_directory>\Disk1\
```

- 2 Start the Patch Set installer:

```
setup
```

- 3 In the File Locations dialog box in the Source...entry field, click **Browse** to navigate to the Stage directory.

Tip The Stage directory is located in the following directory structure:

```
<drive>:\<unzip_directory>\Disk1\
```

- 4 Select the products.jar file.

- 5 Verify the products listed and click **Install**.

Tip If a write error occurs, rename the noted file and select the retry option.

- 6 When the installation is complete, reboot the Oracle server and log on as Windows **Administrator** or a user with **Administrator** privileges.

Continue with the installation or upgrade

Installation

If you are installing Oracle and Image Services on a new server, you are now ready to install the Image Services software.

Refer to the Image Services *Installation and Configuration Procedures for IS 4.1.2*. To download this manual from the IBM support page, see [“Accessing IBM FileNet documentation” on page 11](#).

Upgrade

If you are upgrading the Oracle software on an existing IS system, return to the section, [“Testing the Oracle database” on page 36](#) in Chapter 2.

Appendix A – Defining Additional RDB Objects

A brand new Image Services system has a basic set of default objects. Defining additional RDB objects allows you to customize the data layout of your relational database. The object name, in conjunction with the location, tells the Image Services software where in the database that object (or group of objects) is to be created.

An object can be a table like doctaba, a retrieval key (rdb index) like f_docnumber, or a whole group of objects like everything created from WFL, queues, workspaces, etc. The scope of the RDB object depends on how the RDB object name is formatted or built.

It's very important to build the object name string correctly. When the Image Services software is directed to create an RDB object (WFL queue, table, etc.), it dynamically builds a string that must exactly match the one that is defined in the object name column. The Image Services software searches the configuration database for a matching RDB_Object to find the location of the object. If it's not found, the search continues for the location of the parent object.

RDB Object Name Basic Syntax

The object name is a multi-part character string, separated by periods. Its maximum length is 255 characters plus a null terminator. The object name is built in a hierarchy where all names begin with fn_data. For example:

Object name format:

```
fn_data[.services_name[.subname1[.subname2[.subname3] ] ] ]
```

fn_data.services_name.subname1.subname2 is the parent of .subname3

fn_data.services_name.subname1 is the parent of .subname2

fn_data.services_name is the parent of .subname1

Note Not all services support all the subnames. See the following examples.

Index Services Example

To have the Image Services software create all index services tables and indexes in a specific location in your database, define an RDB Object using the following name:

fn_data.INXdb

Then, to have the Image Services software create doctaba in its own location, define the object name as:

fn_data.INXdb.doctaba

To have the Image Services software create a specific index (retrieval key) in its own location, define the object name as one of the following examples:

fn_data.INXdb.doctaba.f_docnumber

fn_data.INXdb.table_name.index_name

WFL Services Example

To have the Image Services software create all WQS Database Objects in one location, you would define an RDB Object with the following object name:

fn_data.WFLdb

Then, to create an index (retrieval key) of a queue in its own location, you would enter:

fn_data.WFLdb.Workspace_name.queue_name.index_name

VW Services Example

The object name is composed of the following values:

For VW queues:

For indexes:

fn_data.vw.region<region#>.server<server#>.queue.<logical_queue_table_name>.<logical_index_name>

For base data sets:

fn_data.vw.region<region#>.server<server#>.queue.<logical_queue_table_name>

For VW rosters (indexes and base data set):

For indexes:

fn_data.vw.region<region#>.server<server#>.roster.DefaultWCTable.<logical_index_name>

For base data sets:

fn_data.vw.region<region#>.server<server#>.roster.DefaultWCTable

For all other VW tables:

For indexes

fn_data.vw.region<region#>.server<server#>.table.<table_name>.<index_name>

For base data sets:

fn_data.vw.region<region#>.server<server#>.table.<table_name>

Key

In the previous examples:

<region#> is the isolated region number

<server#> is the VW server number.

<logical_queue_table_name> is the name of the table for the queue as specified in Composer.

<table_name> is the actual table name.

<index_name> is the actual index name.

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