



Image Services Resource Adapter

Installation Guide

Release 3.4.0

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Contents

About This Manual 4

Conventions Used in the Document 4

Comments and Suggestions 4

1. ISRA Installation 5

ISRA Overview 5

ISRA Package Overview 5

Resource Adapter Module 5

Structure of the ISRA Package 6

Installing/Upgrade ISRA 6

Upgrade Process 6

Installing ISRA 7

Silent Installation/Upgrade of ISRA 15

Silent Upgrade Process 15

Using setup_ISRA340.jar 15

Using Platform Binaries 16

Notices 18

Notices 18

COPYRIGHT LICENSE: 19

Trademarks 19

Index 21

About This Manual

This manual provides information about installing IBM FileNet Image Services Resource Adapter (ISRA) 3.4.0.

Conventions Used in the Document

The table lists the formatting conventions used in this document.

Conventions	Description
Fixed Size font	Used for commands entered at the system command prompt.
Arial font	Used for important notes.
Bold	Occasionally used to refer to portions of user interface, such as the Next button or the Install button.

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ISRA Installation

This document describes how to install IBM FileNet Image Services Resource Adapter (ISRA) version 3.4.0.

ISRA Overview

Integration with existing Professional Information Systems (EIS) is the key to success in business moving towards an e-business strategy.

The Java 2 Professional Edition (J2EE) Connector Architecture defines a standard architecture to connect the J2EE platform with the heterogeneous EIS's.

ISRA is a system-level software driver, which is J2EE Connector Architecture v1.0 compliant. It is used by a Java application component or client to connect to IBM FileNet Image Services (IS).

ISRA provides an alternative to IDM Web Services for IS customers. In addition, it provides a Web solution that does not require Microsoft technology or product support.

ISRA Package Overview

ISRA is bundled into a single package called the Resource Adapter Module, which contains necessary files and information for deployment on a supported Application Server.

ISRA is available in two different editions:

- View edition: Supports ISRA Read-only interactions.
- Professional edition: Supports additional interactions that include document creation, updating of document properties, inserting and retrieving of queue entries and saving annotations.

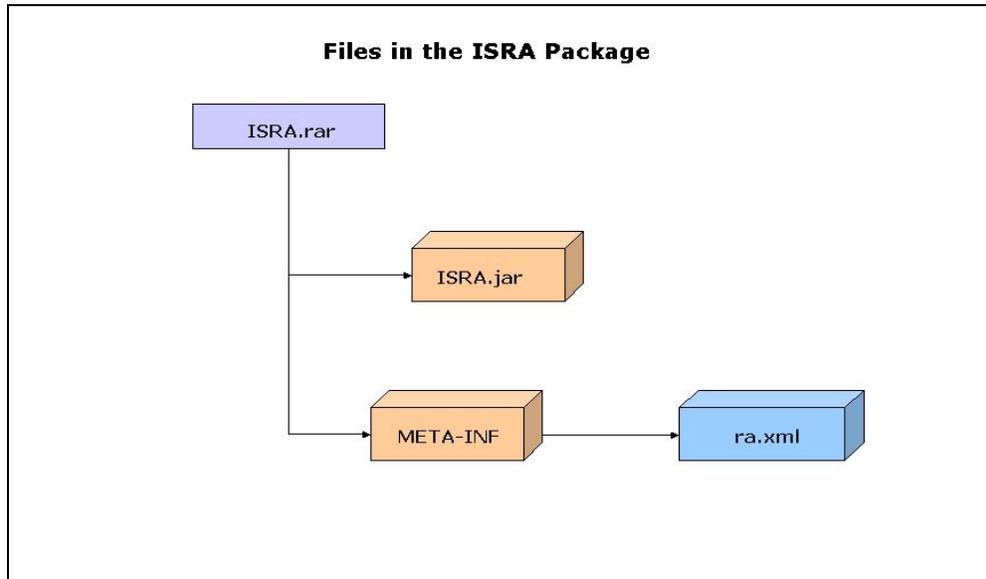
Resource Adapter Module

The contents of the Resource Adapter Module are:

- Jar file that consists of ISRA class library.
- Deployment descriptor (XML file) that defines the run-time behavior of ISRA.

Structure of the ISRA Package

The following figure illustrates a listing of files in the ISRA package:



Installing/Upgrade ISRA

ISRA is installed from an executable installer file.

The ISRA 3.4.0 installer provides the user with an option to upgrade an existing ISRA version. The installer detects the existing ISRA installed versions and prompts the user to either upgrade one of the previously installed versions or proceed with the fresh installation.

Upgrade Process

The ISRA 3.4.0 installer detects the existing ISRA 3.2.1 Patch1/3.3.0/3.3a installed versions. When the user opts for upgrading an existing ISRA version, it gets uninstalled and will no longer be available on that machine. The existing 'Professional' edition gets upgraded to 3.4.0 'Professional' edition. Similarly, an existing 'View' version gets upgraded to 3.4.0 'View' edition. The ISRA installer updates the 3.4.0 deployment descriptor (ra.xml) with the values mentioned in the deployment descriptor of the ISRA version that has been upgraded.

Note For HP-UX and Solaris: ISRA 3.4.0 upgrade installer needs to be run as non-root user, the Installer detects previous versions only in non-root logins.

- If a version of ISRA, prior to ISRA 340, has been installed under a root account, the installer's upgrade option will not detect any previous installation.
 - If a version of ISRA, prior to ISRA 340, has been installed under a non-root account, the installer's upgrade option will detect and upgrade the previous version only if the same non-root account is used.
-

Note ISRA 3.4.0 GA installer detects and upgrades the 3.2.1_P1 and 3.3.0 GA version. Any patches on top of previous ISRA versions needs to be manually removed.

Installing ISRA

ISRA is installed from an executable installer file. The steps to install ISRA are:

1. Mount **CD-ROM**

On Generic UNIX:

Perform this step only if CD-ROM device is not already mounted.

Note that you must have the root user privileges to perform these tasks. Load the ISRA CD into the drive, open a terminal window and create the `/cdrom` directory using the following command:

```
# mkdir /cdrom
```

- On the system prompt, enter

```
# mount -F CDFS/cdrom
```

to mount the CD-ROM.

On Sun Solaris:

- Using a preferred editor (for example, vi), edit the `/etc/vfstab` file by adding an entry:

```
/vol/dev/dsk/c0t2d0/cdrom - /cdrom hsf 4 - ro
```

where, `/vol/dev/dsk/c0t2d0/cdrom` is the CD-ROM device file path, `/cdrom` is the mount point for the CD and `hsf` is the file system format of the CD. Refer to Solaris system manual for more details on mounting devices.

- On the system prompt, enter

```
# mount /cdrom
```

to mount the CD-ROM.

On HPUX:

- Using a preferred editor (for example, vi), edit the `/etc/pfsfstab` file by adding an entry similar to

```
/dev/dsk/c2t2d0 /cdrom pfs-rrip xlat=unix 0 0
```

where `/dev/dsk/c2t2d0` is the CD-ROM device file path and `/cdrom` is the mount point for the CD.

- On the system prompt, enter:

```
# pfs_mountd &
```

```
# pfsd &
```

- On the system prompt enter the following command to mount the CD-ROM:

```
# pfs_mount /cdrom
```

To ensure that CD-ROM is mounted correctly, on a terminal window, enter

```
# mount
```

This lists the CD-ROM device.

On IBM AIX:

Perform this step only if CD-ROM device is not already mounted.

Note that one must have the root user privileges to perform these tasks. Load the ISRA CD into the drive, open a terminal window and create the /cdrom directory using the command

```
# mkdir /cdrom
```

- At the system prompt enter the following command to mount the CD-ROM:

```
# mount -rv cdrfs /dev/cd0 /cdrom
```

where /dev/cd0 is the CD-ROM device file path, /cdrom is the mount point for the CD and cdrfs is the file system format of the CD.

On Linux:

Open a terminal window and enter

```
# mount /dev/hdc /mnt/cdrom
```

where, /dev/hdc is the CD-ROM device file path and /mnt/cdrom is the mount point for the CD. Refer to the Linux system manual for more details on mounting devices.

To ensure that CD-ROM is mounted correctly, on a terminal window, enter

```
# mount
```

This lists the CD-ROM device.

The installer in Linux folder is meant for Intel based platforms.

On zLinux:

For **zLinux**, the user has to use the installer in **GenericUnix** folder.

Open a terminal window and enter

```
# mount /dev/hdc /mnt/cdrom
```

where, /dev/hdc is the CD-ROM device file path and /mnt/cdrom is the mount point for the CD. Refer to the Linux system manual for more details on mounting devices.

To ensure that CD-ROM is mounted correctly, on a terminal window, enter

```
# mount
```

On Windows:

Open the explorer and select the CD-ROM drive that contains the ISRA CD.

2. ISRA Installer comes with bundled JVM for most platforms except in case of "Generic Unix". Launch the ISRA installer by executing **setup_ISRA340.bin** on HPUX and Solaris or **setup_ISRA340.exe** on Windows Server.

- On **HPUX, IBM AIX, Linux, or Solaris** server navigate to the respective folder on the CD-ROM drive to locate **setup_ISRA340.bin**. To do this, type:

```
# cd cdrom/<HPUX, AIX, Solaris, Linux>
# ./setup_ISRA340.bin
```

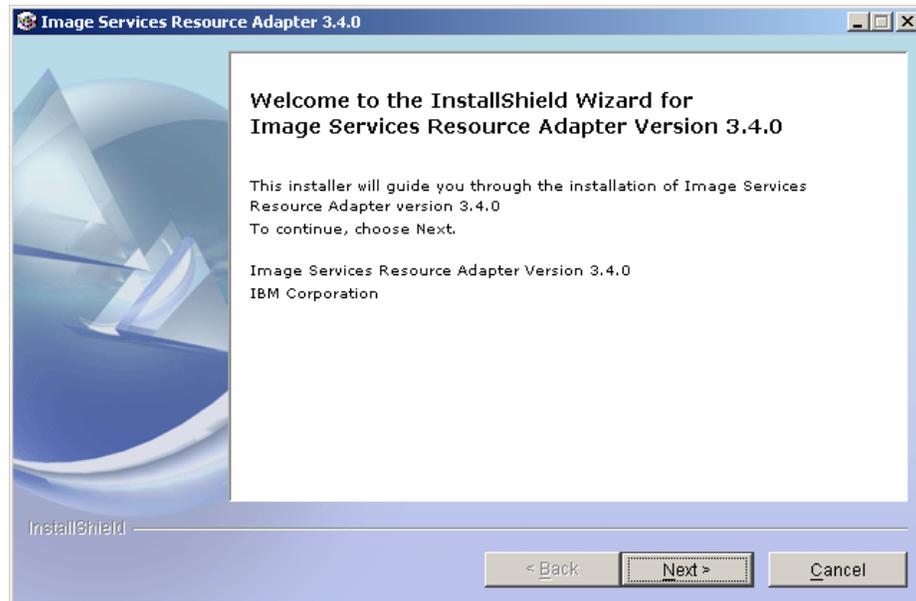
- On **Windows** Server, locate **setup_ISRA340.exe** in the Windows folder of the CD-ROM drive. Double-click to launch the ISRA installer.
- For **zLinux**,

zLinux requires a prerequisite of Java 1.4.2 installed already on the system and it should be supplied to the installer as shown below:

```
# cd cdrom/<Generic Unix>
# ./setup_ISRA340.bin -is:javahome $JAVA_HOME/jre
```

Note The screenshots shown in this section (taken on Windows Server, which includes both 2000 and 2003 Servers) may look slightly different on the user's machine, depending on the server, platform version or settings etc.

The installation screen appears, as shown below:



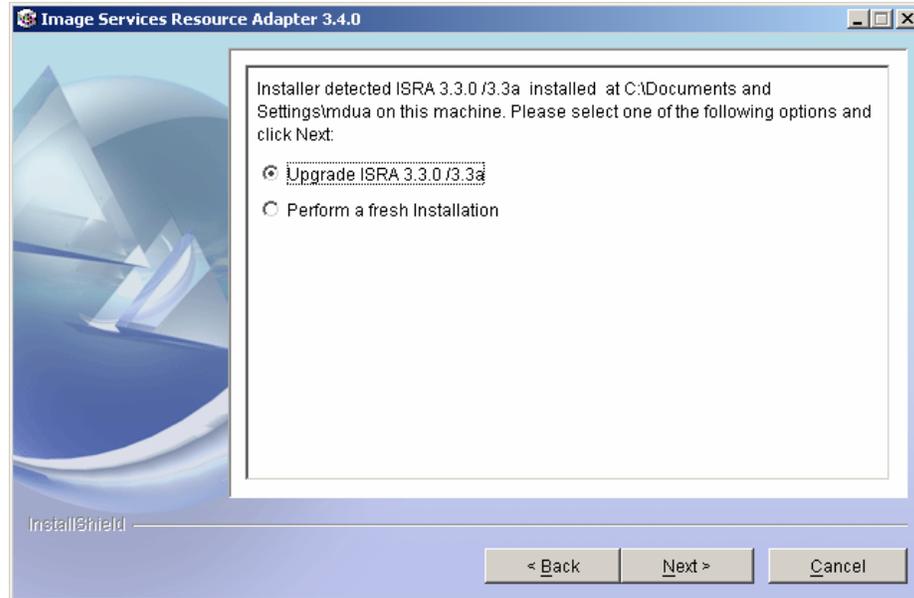
3. If user clicks **Cancel**, the following dialog box appears:



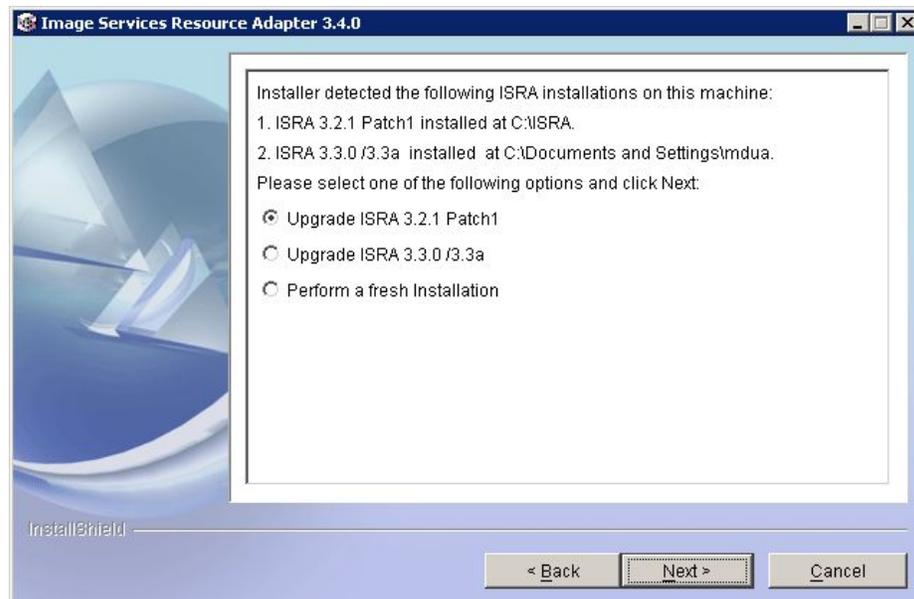
Click **No** to go back to the previous screen.

4. Click **Next** to proceed. Following are the two instances.
 - If ISRA 3.2.1 Patch1/3.3.0/3.3a is installed, then the ISRA 3.4.0 installer will prompt the user to either upgrade the previous installed ISRA version or proceed with the fresh installation. Select the required option and click **Next**, the License Agreement screen appears.

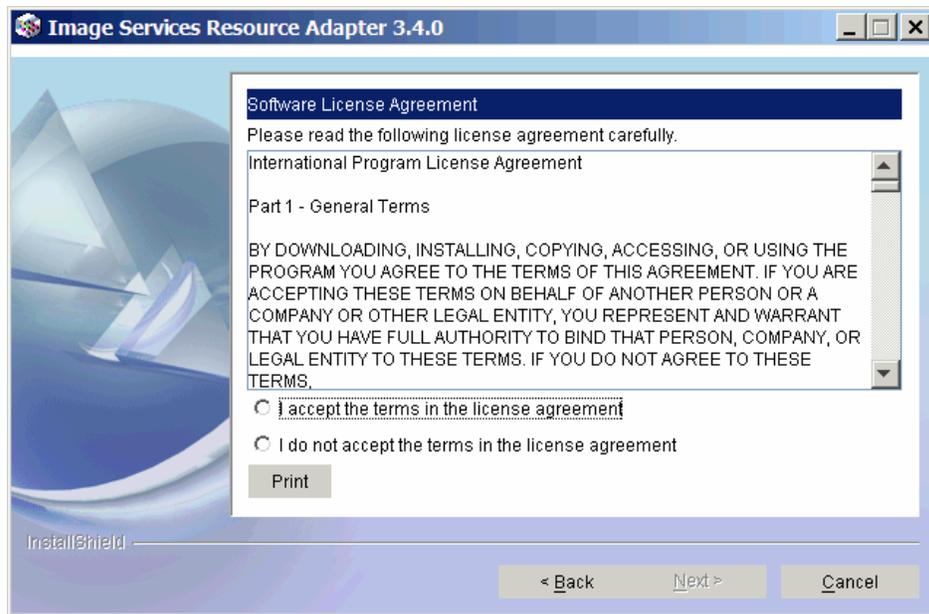
Follow steps:



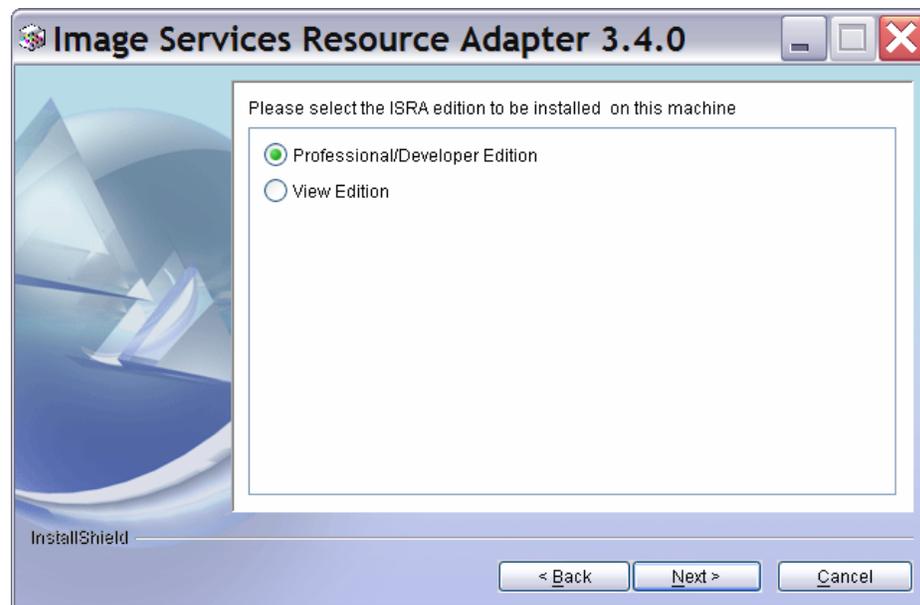
- If ISRA 3.2.1 Patch1 and ISRA 3.3.0 both are installed then the following screen appears:



- If any of the ISRA version is not installed and it is a fresh installation then the License Agreement screen appears:



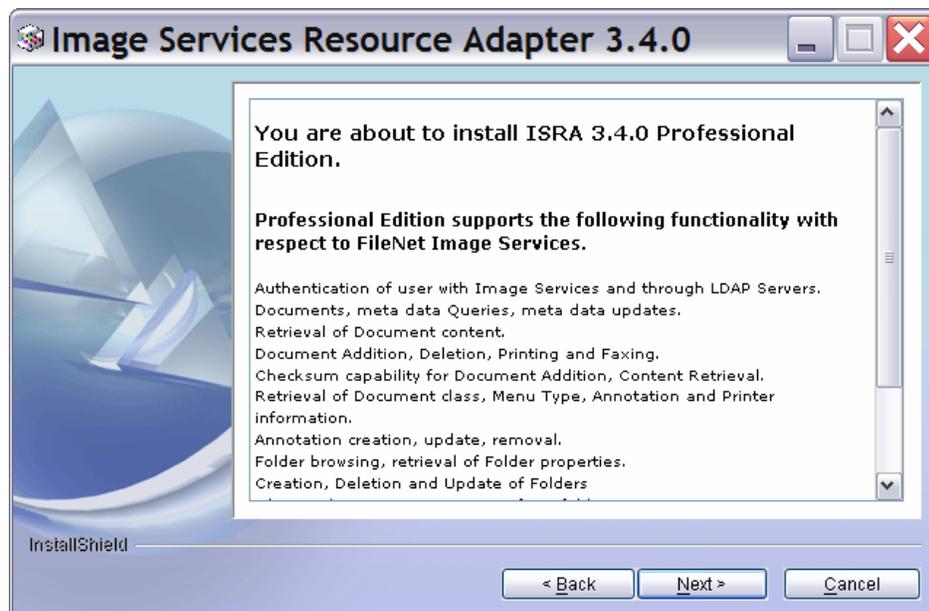
5. Accept the license agreement and click **Next** to proceed.



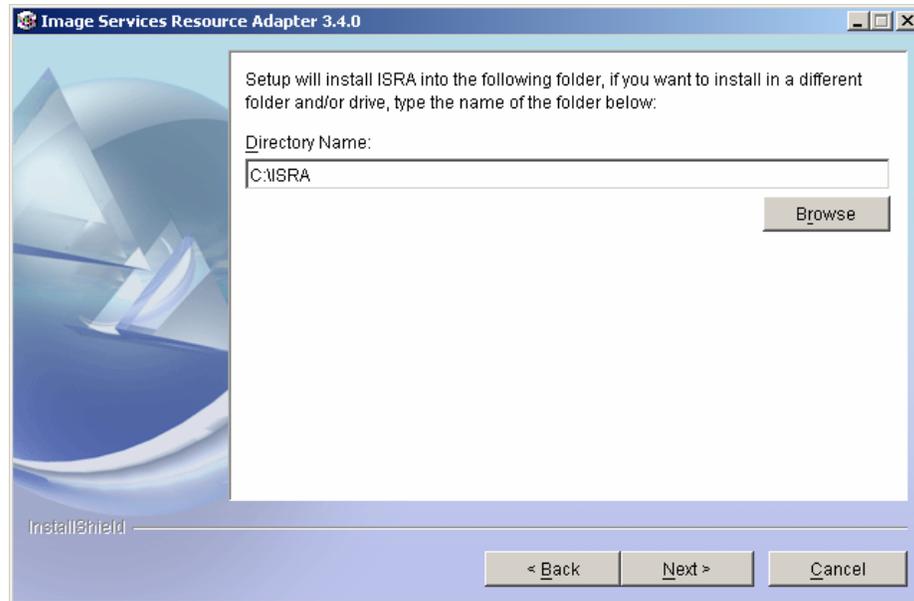
6. Choose the ISRA edition to be installed and click **Next** to proceed.
Depending on the selection, either **View** edition or **Professional** edition of ISRA will be installed.
 - The View edition screen appears, as shown below.



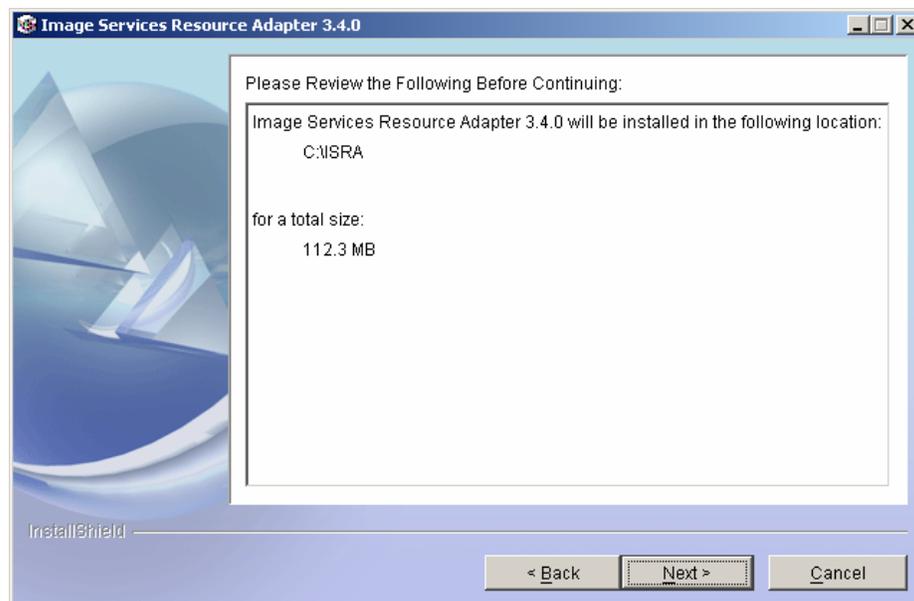
- The Professional edition screen appears, as shown below.



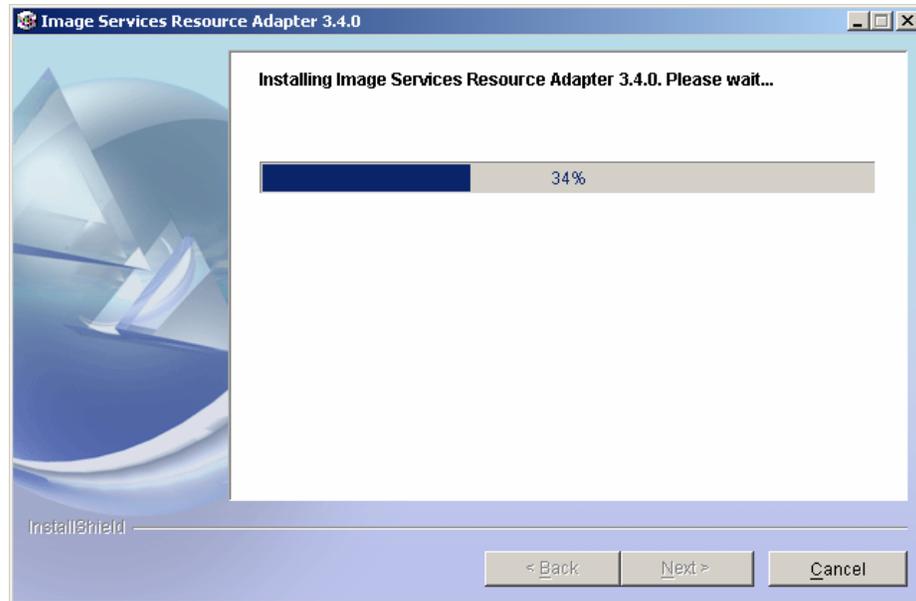
7. Click **Next** to proceed with the installation.



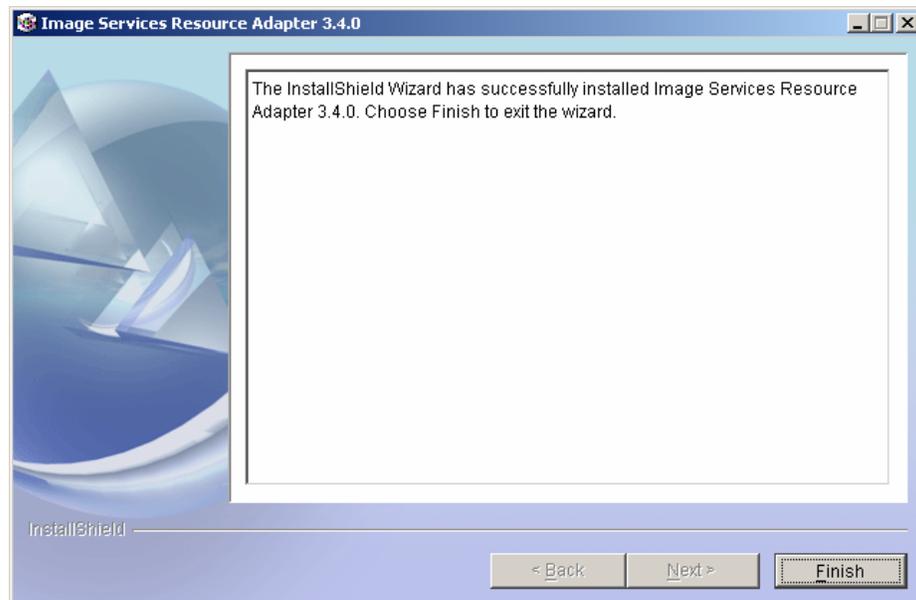
8. Choose the directory to install ISRA and click **Next** to proceed. On UNIX systems, the default path shown is `/. /`.



9. Verify the information. If there are any errors, click **Back** to make the necessary changes. Else, click **Next** to proceed with the installation of ISRA. The following screen appears:



10. When ISRA installation completes, the following screen appears:



11. Click **Finish**.

For Linux, enter `# umount /mnt/cdrom`

For other UNIX platforms (AIX, Solaris and HP-UX), login as root user and execute the following command to unmount the CD-ROM:

`# umount /cdrom`

Remove CD from the drive.

Silent Installation/Upgrade of ISRA

Note As compared to Interactive install/upgrade of ISRA, silent installation involves additional configuration and settings. Hence, users are advised preferably to use Interactive install whenever possible and use silent install only as a last option.

Silent Installation of ISRA 3.4.0 can be done either using setup_ISRA340.jar or platform specific binaries (.exe or .bin).

Please copy the entire directory structure "disk1" to the target machine before running the silent installation. Make sure that the /Docs sub-folder is present.

Silent Upgrade Process

Make the following changes in the template file for Silent Upgrade:

1. Set the value of variable `UpgradeBean.InstallOption` as 1, if you wish to upgrade from ISRA 3.3.0 to 3.4.0. Use this upgrade option if 3.3.0 is the only ISRA version installed on the machine.

[For performing a fresh installation of 3.4.0, set the value of `UpgradeBean.InstallOption` as 2.]

Using setup_ISRA340.jar

Perform the following steps:

1. Execute the following command on the command prompt to generate a template file:

```
java -cp setup_ISRA340.jar run -options-template
<Real Path>/<name of template file>, for example,
fnsw\ISRASilent\ISRASilent.txt
```

2. Make the following changes in the template file:

- Set the value of variable `licenseAccepted` to true to accept the license agreement
- Set the value of variable `EditionBean.ISRAEdition` to either "Professional" or "View " to install the respective ISRA edition
- Set the value of variable `installLocation` as the complete path of the directory where ISRA needs to be installed.
- Set the value of variable `UpgradeBean2.InstallOption` as 1 if you wish to upgrade from ISRA 3.2.1 Patch1 to 3.4.0. Use this upgrade option if 3.2.1 Patch1 is the only ISRA version installed on the machine.

[For performing a fresh installation of 3.4.0, set the value of `UpgradeBean2.InstallOption` as 2.]

- Set the value of variable `UpgradeBean3.InstallOption` as 1 if you wish to upgrade from ISRA 3.2.1 Patch1. Set it as 2 if you wish to upgrade from ISRA 3.3.0. Use this upgrade option if both 3.2.1 Patch1 and 3.3.0 ISRA versions are installed on the machine.

[For performing a fresh installation of 3.4.0, set the value of `UpgradeBean3.InstallOption` as 3.]

- Set the path to location containing **setup_ISRA340.jar** file on command prompt. Execute the following command to start the Silent installation:

```
java -cp setup_ISRA340.jar run -silent -options
<Real Path>/ISRASilent.txt
```

Using Platform Binaries

Note Users are recommended to use corresponding platform binaries to perform ISRA silent install/upgrade. For example, setup_ISRA340.bin for AIX, setup_ISRA340.exe for Windows.

Perform the following steps:-

- Execute the following command on the command prompt to generate a template file:

On Windows:

```
setup_ISRA340 -options-template <Real Path>/<name
of template file>, for example
fns\ISRASilent\ISRASilent.txt
```

On Unix:

```
./setup_ISRA340.bin -options-template <Real
Path>/<name of template file>, for example
fns\ISRASilent\ISRASilent.txt
```

- Make the following changes in the template file:
 - Set the value of variable `licenseAccepted` to true to accept the license agreement
 - Set the value of variable `EditionBean.ISRAEdition` to either "Professional" or "View " to install the respective ISRA edition
 - Set the value of variable `installLocation` as the complete path of the directory where ISRA needs to be installed.
 - Set the value of variable `UpgradeBean2.InstallOption` as 1 if you wish to upgrade from ISRA 3.2.1 Patch1 to 3.4.0. Use this upgrade option if 3.2.1 Patch1 is the only ISRA version installed on the machine.

[For performing a fresh installation of 3.4.0, set the value of `UpgradeBean2.InstallOption` as 2.]

- Set the value of variable `UpgradeBean3.InstallOption` as 1 if you wish to upgrade from ISRA 3.2.1 Patch1. Set it as 2 if you wish to upgrade from ISRA 3.3.0. Use this upgrade option if both 3.2.1 Patch1 and 3.3.0 ISRA versions are installed on the machine.

[For performing a fresh installation of 3.4.0, set the value of `UpgradeBean3.InstallOption` as 3.]

- Set the path to location containing setup_ISRA340.exe or setup_ISRA340.bin file on command prompt. Execute the following command to start the Silent installation:

On Windows:

```
setup_ISRA340 -options <Real Path>/<name of
template file> -silent
```

On Unix:

```
./setup_ISRA340.bin -options <Real Path>/<name of  
template file> -silent
```

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Index

Installing ISRA, 6
Integration with existing Enterprise
Information Systems (EIS), 5
Resource Adapter Module, 5

Silent Installation of ISRA, 15
Silent Upgrade Process, 15
Structure of the ISRA Package, 6
Upgrade Process, 6