

Isight 5.0

Installation Guide



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Isight

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Preface

This book is your guide to installing the Isight software.

Documentation

The Isight and SIMULIA Execution Engine library is comprised of several manuals.

The following manuals are available:

- *Isight Component Guide*
- *Isight Development Guide*
- *Isight Installation Guide*
- *Isight Runtime Gateway Guide*
- *Isight User's Guide*
- *SIMULIA Execution Engine Express Installation Guide*
- *SIMULIA Execution Engine Federation (B2B) Guide*
- *SIMULIA Execution Engine Installation and Configuration Guide - WebLogic*
- *SIMULIA Execution Engine Installation and Configuration Guide - WebSphere*
- *SIMULIA Execution Engine WebTop Guide*

Conventions Used in This Book

The following sections describe the typographic terminology and other conventions used in this book.

Typographical Conventions

This manual uses numerous typographical conventions.

The conventions are described below:

Convention	Explanation
<i>italic</i>	Introduces new terms with which you may not be familiar, and is used occasionally for emphasis.
bold	Emphasizes important information. Indicates button, menu, and icon names on which you can act. For example, click Next .
UPPERCASE	Indicates the name of a file. For operating environments that use case-sensitive file names (such as UNIX), the correct capitalization is used in information specific to those environments.
	Indicates keys or key combinations that you can use. For example, press the ENTER key.
monospace	Indicates syntax examples, values that you specify, or results that you receive.
<i>monospaced italic</i>	Indicates names that are placeholders for values that you specify. For example, <i>filename</i> .
forward slash /	Separates menus and their associated commands. For example, Select File / Copy means to select Copy from the File menu.
	The slash also separates directory levels when specifying locations under UNIX.
vertical rule	Indicates an “OR” separator used to delineate items.

Convention	Explanation
brackets []	Indicates optional items. For example, in the following statement: SELECT [DISTINCT], DISTINCT is an optional keyword. Indicates sections of the Windows Registry.
braces { }	Indicates that you must select one item. For example, {yes no} means that you must specify either yes or no.
ellipsis . . .	Indicates that the immediately preceding item can be repeated any number of times in succession. An ellipsis following a closing bracket indicates that all information in that unit can be repeated.

Mouse Conventions

This manual uses numerous mouse conventions.

The conventions are described below:

This action...	Means to...
Click	Point to an object with the mouse pointer and momentarily press the left mouse button.
Double-click	Press the left mouse button twice.
Right-click	Momentarily press the right mouse button.
Drag	Press and hold the left mouse button while dragging items to another part of the screen.
SHIFT+Click	Click an object to select it; then, press and hold the SHIFT key. Click another object to select the intervening series of objects.
CTRL+Click	Press and hold the CTRL key; then, click a selection. You can select or deselect any combination of objects.

Keyboard Conventions

Select menu items by using the mouse or pressing ALT+ the key letter of the menu name or item.

Platform Information

For complete details on supported platforms, refer to the following Web site:

http://www.simulia.com/support/sup_systems_info.html

Support

Both technical engineering support (for problems with creating a model or performing an analysis) and systems support (for installation, licensing, and hardware-related problems) for Isight are offered through a network of local SIMULIA support offices. Contact information is listed in the front of each manual.

SIMULIA Online Support System

The SIMULIA Online Support System (SOSS) has a knowledge database of SIMULIA Answers. The SIMULIA Answers are solutions to questions that we have had to answer or guidelines on how to use Abaqus, Isight, SIMULIA Execution Engine, SIMULIA SLM, and other SIMULIA products. You can also submit new requests for support in the SOSS. All support incidents are tracked in the SOSS. If you are contacting us by means outside the SOSS to discuss an existing support problem and you know the incident number, please mention it so that we can consult the database to see what the latest action has been.

To use the SOSS, you need to register with the system. Visit the My Support page at www.simulia.com for instructions on how to register.

Many questions can also be answered by visiting the Products page and the Support page at www.simulia.com. The information available online includes:

- Link to the SOSS
- Systems information and computer requirements
- Performance data
- Status reports
- Training seminar schedule
- INSIGHTS Magazine
- Technology briefs

Technical Engineering Support

Technical support engineers are available to assist in clarifying product features and checking errors by giving both general information on using the product and information on its application to specific analyses. If you have concerns about an analysis, we suggest that you contact us at an early stage, since it is usually easier to solve problems at the beginning of a project rather than trying to correct an analysis at the end.

Please have the following information ready before contacting the technical engineering support hotline, and include it in any written contacts:

- The release of Isight that are you using, which can be obtained by accessing the VERSION file at the top level of your Isight installation directory.
- The type of computer on which you are running Isight.
- The symptoms of any problems, including the exact error messages, if any.
- Any log files associated with the error.
- Workarounds or tests that you have already tried.

When contacting support about a specific problem, any available product output files may be helpful in answering questions that the support engineer may ask you.

The support engineer will try to diagnose your problem from the model description and a description of the difficulties you are having. The more detailed information you provide, the easier it will be for the support engineer to understand and solve your problem.

If the support engineer cannot diagnose your problem from this information, you may be asked to supply a model file. The data can be attached to a support incident in the

SIMULIA Online Support System (SOSS). It can also be sent by means of e-mail, tape, disk, or ftp. Please check the Support Overview page at www.simulia.com for the media formats that are currently accepted.

If you are contacting us to discuss an existing problem, please give the receptionist the support engineer's name if contacting us via telephone or include it at the top of any e-mail correspondence.

Systems Support

Systems support engineers can help you resolve issues related to the installation and running of the product, including licensing difficulties, that are not covered by technical engineering support.

You should install the product by carefully following the instructions in the installation guide. If you encounter problems with the installation or licensing, first review the instructions in the installation guide to ensure that they have been followed correctly. If this does not resolve the problems, consult the SIMULIA Answers database in the SIMULIA Online Support System for information about known installation problems. If this does not address your situation, please create an incident in the SOSS and describe your problem.

Anonymous FTP Site

To facilitate data transfer with SIMULIA, an anonymous ftp account is available on the computer ftp.simulia.com. Login as user *anonymous*, and type your e-mail address as your password. Contact support before placing files on the site.

Contacting Technical Support

Use the My Support page at www.simulia.com, or obtain local support office contact information from the Locations page at www.simulia.com.

In addition, contact information for offices and representatives is listed in the front of this manual.

Support for Academic Institutions

Under the terms of the Academic License Agreement we do not provide support to users at academic institutions. Academic users can purchase technical support on an hourly basis. For more information, please see www.simulia.com or contact your local support office.

Training

SIMULIA offices offer regularly scheduled public training classes, including classes on Isight. We also provide training seminars at customer sites. All training classes and seminars include workshops to provide practical experience with our products. For a schedule and descriptions of available classes, see www.simulia.com or call your local representative.

Feedback

We welcome any suggestions for improvements to Isight software, the support program, or documentation. We will ensure that any enhancement requests you make are considered for future releases. If you wish to make a suggestion about the service or products, refer to www.simulia.com. Complaints should be addressed by contacting your local office or through www.simulia.com.

1 Installation Roadmap

This guide discusses the installation and configuration of Isight.

A standard Isight installation includes everything you need to create and execute design studies, as well as tools for analyzing your results and saving your data.

[Chapter 2 “Key Concepts”](#) describes the fundamental terminology and ideas that are used throughout the manual. You should review [“System Requirements,” on page 32](#) and [“Supported Platforms,” on page 32](#) to ensure you have all of the appropriate prerequisites.

The following table outlines the tasks required to install and configure Isight:

Goal	Task	Contents
Installing Isight	Installation Overview	Summary of the installation tasks that must be performed.
	Installing the Product	Instructions on using the installation wizard to install the product on Windows and UNIX/Linux operating systems.
	Migrating Your Isight Database	Instructions on migrating your existing Isight database to the format of the new release's database.
	Installing Licensing	Instructions on manually configuring your license manager and installing only the license server software.
	Uninstalling Isight	Instructions on how to permanently remove Isight from your system.
Configuration	User Login Names Containing Punctuation	Instructions on how to alter your Isight installation if your user name contains punctuation marks.
	Necessary Changes for Executing on UNIX/Linux Systems	Instructions on necessary changes in your UNIX/Linux environment to allow Isight to run properly.
	Modifying Your Isight License to Use a License Server	Instructions on how to update your standalone license file to point to a license server.
	Configuring Your License to Work with a Windows Firewall	Instructions on how to update your license file to point to a license server that resides behind a Windows firewall.

2 Key Concepts

This chapter describes various processes and configurations used when installing Isight. You should understand these processes and configurations and their details before proceeding with any installation or configuration tasks.

The chapter is divided into the following topics:

- [“About Your License File,” on page 20](#)
- [“Installing as a Non-Administrator \(Non-Root\) User,” on page 20](#)
- [“Installing on a Shared/Network Disk,” on page 22](#)
- [“Running Isight from a Shared Directory on Windows,” on page 23](#)
- [“Assumed Default Windows Settings,” on page 23](#)
- [“The Automatic License Server Process,” on page 27](#)
- [“Accessing the Installation Files from a Remotely Mounted DVD,” on page 28](#)

About Your License File

During the installation of Isight, you will be asked to supply information about your license file or license server.

If you received a license file for Isight, be sure that you know the location of the license file on your local computer or the information for the system acting as a license server. You will have to specify this information during the installation process.

If you are installing Isight in a stand-alone environment, the installer will install and start the license server. If you are installing in a network environment, you need to install the license server once on the host computer and specify the license server host name and port number.

All licenses for an Isight/SIMULIA Execution Engine job must reside on the same server. For example, a job that contains a DOE component and a Taguchi component must obtain licenses for both components from a single server. The job cannot use a DOE license from one server and a Taguchi license from another server.

If you do not yet have a license, you can still install the software; however, you will not be able to access it. Contact your SIMULIA representative for details on obtaining a license. If you receive your license file after running the Isight installation program, you will have to manually start the license manager once you receive the license. For more information, see [“Configuring the License Manager After Installation,”](#) on [page 47](#).

Installing as a Non-Administrator (Non-Root) User

Although Isight is typically installed by an administrator-type user (a user in the Administrators group on Windows or root on UNIX/Linux), it is possible to install Isight on Windows or UNIX/Linux without having Administrator privileges.

Installing as a Non-Administrator User on Windows

Installing as a non-administrator user on Windows involves verifying that you have proper access to the installation directory, determining how your installation will access your license server, and understanding which files must be installed separately from the Isight installation.

To perform a non-administrator installation, you must install into a directory to which your user ID has “write access.” However, the license server cannot be installed as a service or started by a non-Administrator installation. You need to either reference an existing license server or manually install the license server after installing Isight (as described in [“Configuring the License Manager After Installation,”](#) on page 47). In addition, Isight requires that the Microsoft Visual C++ runtime libraries be installed into the `C:\Windows` directory. These libraries may already be installed; they are installed automatically if Isight is installed as a user with Administrator privileges. If your computer does not have these libraries and you install Isight as a non-Administrator user, you will see the following message after the install:

“In order for Isight to be fully functional, the Microsoft C++ Runtime Support libraries must be installed by an Administrator.”

An Administrator must then install the libraries from the `Microsoft` directory on the Isight DVD.

The files `vc8redist_x86.exe` and `vc9redist_x86.exe` (in the `Microsoft` directory on the Isight DVD) must be run by a user who is a local Administrator. If you are installing on a system running 64-bit Windows, you must also execute the `vc8redist_x64.exe` and `vc9redist_x64.exe` files.

Installing as a Non-Root User on UNIX/Linux

Installing as a non-root user on UNIX/Linux involves verifying that you have proper access to the installation directory, determining how your installation will access your license server, and understanding which files must be configured separately from the Isight installation (using root access).

In most cases it is possible to install as a non-administrator user on UNIX/Linux platforms. As a non-root user, you can install Isight in any directory to which you have write access. By default, when installing as a non-root user on UNIX/Linux, the installer will try to install into the user's home directory. When installing as the root user, the `/opt` directory is used for the installation. If an administrator creates a directory called `/opt/SIMULIA` and makes it writable, a non-root user can also install in `/opt`.

The only restriction on a non-administrator installation is that the license server cannot be installed as a service. The license server can be installed and started, it just cannot be set up as a service that is automatically started when the computer reboots.

The license server can be installed as a service separately after the install by an administrator-type user. For more information on this procedure, see [“Configuring the License Manager After Installation,” on page 47.](#)

Installing on a Shared/Network Disk

Instead of using the Isight DVD on each computer that will be running Isight, you can copy the contents of the DVD to a shared or network disk. Once copied, the installation files can be accessed and executed from each system that requires an Isight installation.

On Windows, Isight is usually installed separately on each computer. This configuration gives the best performance and stability. To avoid using the installation DVD with each computer, you can copy the contents of the DVD to a shared directory. Once the installation files are available from a shared directory, you can access and execute them on each computer that will be running Isight. You must copy the entire contents of the DVD, including all subdirectories and utility files.

On UNIX/Linux, it is common to install Isight on a shared disk (i.e., network file system, NFS, or NAS). When using a shared disk, you just install once from a computer that has a DVD drive onto a network file system. When installing on UNIX/Linux, the installer has an option to install the support for any number of platforms. This option allows the central shared install to be used on all supported operating systems. Computers that will run Isight jobs overnight should use an NFS “hard” mount for the shared file system to minimize the effects of any network

disruptions. A “hard” mount will continue retrying indefinitely after a network error, pausing the process but not causing a job execution error.

Running Isight from a Shared Directory on Windows

Isight is typically installed into a local directory on each computer that will be running it. However, it is possible to run Isight from a shared directory on another computer or NAS device.

When running Isight using this method, you should be aware of the following limitations:

- You will need to document a procedure for starting the Isight features (Design Gateway, Runtime Gateway, etc.), since your users will not have access to the Isight Start Menu options or desktop icons.
- The Microsoft Visual C++ runtime libraries must still be installed on each computer by executing `vc8redist_x86.exe` and `vc9redist_x86.exe` (in the `Microsoft` directory on the Isight DVD). You must be an Administrator to perform this installation. If you are installing on a system running 64-bit Windows, you must also execute the `vc8redist_x64.exe` and `vc9redist_x64.exe` files.
- If the shared folder becomes unavailable for an extended period (for example, while nightly network backups are running), long-running Isight jobs may fail. This problem occurs because the network file access protocol only retries failed operations for a few minutes before returning a fatal error.

Assumed Default Windows Settings

All the procedures in this manual assume that you are using the default Windows settings for certain components on your system.

Three of these components (the Start menu, the Control Panel, and folder and file extension options) can affect the installation process for Isight. If you are using non-default settings for these components, you may have difficulty following the installation procedures. Follow the instructions below to determine which settings you are currently using.

Important: It is recommended that you change the settings as described in the following procedures. Doing so will help you avoid any possible confusion when installing Isight. After installing the software, you can revert back to your old settings.

Determining the Start Menu Setting

The Windows Start Menu is used to access certain configuration features following the installation of Isight. It is also used when uninstalling the product.

Note: This section does not apply to the Windows 7 or Windows 2000 operating systems. These operating systems do not have multiple settings as described in the following procedure.

- 1 Right-click the **Start** button, and select **Properties**.

The **Properties** dialog box appears.

2. Verify that the **Start Menu** tab is selected.

Two menu options are listed on this dialog box: **Start menu** and **Classic Start menu**.

- 3 If necessary, change the current setting to be **Start menu**, which is the default and the recommended setting for installing Isight.
- 4 Click **OK**.

Determining the Control Panel Setting

The Windows Control Panel is used to access certain configuration features following the installation of Isight. It is also used when uninstalling the product. The procedures in this manual assume that you are using specific View options offered by the Control Panel interface.

Note: This section does not apply to the Windows 2000 and Windows Server 2003 operating systems. These operating systems do not have multiple settings as described in the following procedure.

1. Click the **Start** button, and click **Control Panel**.

This step assumes that you are using the default Windows **Start Menu** option as described in [“Determining the Start Menu Setting,”](#) on page 24.

The **Control Panel** dialog box appears.

2. Examine the view setting for your **Control Panel**:

- **Windows XP.** Examine the view setting in the upper left corner of the dialog box. One of the following two options will be listed (based on your operating system):
 - **Switch to Category View.** If this option is displayed, the **Control Panel** is currently in **Classic View**. For simplicity, it is recommended that you click this option to switch the **Control Panel** to **Category View**.
 - **Switch to Classic View.** If this option is displayed, the **Control Panel** is configured correctly to correspond with the installation procedures in this manual. No changes are necessary prior to installing Isight.
- **Windows Vista/Server 2008.** Examine the view setting in the upper left corner of the dialog box. One of the following two options will be listed (based on your operating system):
 - **Control Panel Home.** If this option is displayed in bold text with a small dot to its left, the **Control Panel** is configured correctly to correspond with the installation procedures in this manual. No changes are necessary prior to installing Isight.
 - **Classic View.** If this option is displayed in bold text with a small dot to its left, the **Control Panel** is currently in **Classic View**. For simplicity, it is recommended that you click the **Control Panel Home** option.
- **Windows 7.** Verify that **Category** is selected from the **View by** list in the upper right corner of the dialog box.

Determining Folder and File Extension Options

There are times, such as when you are removing the Isight software, when you must delete certain temporary directories that Windows hides by default. To delete these directories, you need to ensure your system settings are such that the directories are visible in the file structure.

In addition, since the procedures in this manual refer to file extensions (.exe, .bat, etc.), it is recommended that you ensure your system settings are such that these extensions are displayed.

1. Access the **Control Panel** using one of the following methods, based on your operating system:
 - **Windows XP/Server 2003/Windows Vista/Server 2008/7:** Click **Start**, and click **Control Panel**.
 - **Windows 2000:** Click **Start**, point to **Settings**, and click **Control Panel**.

This step assumes that you are using the default Windows **Start Menu** option as described in “[Determining the Start Menu Setting](#),” on page 24.

The **Control Panel** dialog box appears.

2. Access the **Folder Options** dialog box using one of the following methods, based on your operating system:
 - **Windows XP:** Click **Appearance and Themes**, and click **Folder Options**.
 - **Windows 2000/Windows Server 2003:** Double-click **Folder Options**.
 - **Windows Vista/Server 2008/7:** Click **Appearance and Personalization**, and click **Folder Options**.
3. Click the **View** tab, and click **Show hidden files and folders**.
4. Clear (uncheck) **Hide extensions for known file types**.
5. Click **OK**.

The hidden directories and file extensions will now appear when browsing through your system’s file structure.

The Automatic License Server Process

The Isight installation program starts the license manager (FLEXnet) automatically; however, this process can differ based on the privileges of the user installing Isight.

If the user executing the installer is in the Administrators group (on Windows) or has root access (on UNIX/Linux), the license server is installed as a service (in `/etc/rc` on UNIX/Linux).

If the user is not in the Administrators group or does not have root access, a message is displayed telling the user how to install the license manager as Admin/root.

Accessing the Installation Files from a Remotely Mounted DVD

If the system on which you are installing Isight does not have a DVD drive, you can use the DVD drive on a remote system to access the Isight installation program and associated files.

Installing Remotely on Windows Platforms

You can install Isight from a remote Windows DVD drive if it has been defined as a shared folder.

Setting up the DVD device as a share must be performed by a user with Administrator privileges. To install Isight from a shared remote DVD, map that drive to a local drive and perform the installation as if the drive were local. Universal Naming Convention (UNC) paths are not supported by the installation procedures.

For more information, contact your local system administrator.

Installing Remotely on UNIX/Linux Platforms

You can install Isight from a remote UNIX/Linux DVD drive by mounting the DVD and copying the entire contents of the Isight DVD to a file system. This file system must be accessible from the system that will be running the Isight installation program.

1. Mount the Isight DVD.
2. Copy the entire contents of the DVD to a shared file system.

The UNIX utilities `cp -r` and `rcp` are convenient for copying these items. When copying files between different platforms (particularly between UNIX/Linux and Windows), special care may be needed to preserve the original file permissions and the file name case. In general, read and execute permissions on all files are sufficient for proper execution.

For more information, contact your local system administrator.

3. Depending on your platform, execute one of the following commands from the copy of the installation files to launch the installation procedure:
 - `./setupaix`
 - `./setupsolaris`
 - `./setuphpux`
 - `./setuplinux`
4. Complete the Isight installation as described in [“Installing Isight on UNIX/Linux,”](#) on page 40.

3 Prerequisites

This chapter describes specialized hardware and software configurations required by Isight.

It is divided into the following topics:

- [“System Requirements,” on page 32](#)
- [“Supported Platforms,” on page 32](#)
- [“Removing Old Releases of Isight,” on page 32](#)

System Requirements

To function as designed, the system running Isight needs a certain amount of hard drive space and memory.

The following minimum system requirements are recommended:

- 1 GB of free disk space
- 32-bit installations: minimum 1 GB RAM (2 GB RAM recommended)
- 64-bit installations: minimum 6 GB RAM (4 GB RAM recommended)

Supported Platforms

Isight is designed to run on specific Windows, UNIX, and Linux platforms.

For complete details on the supported platforms for Isight, refer to the following Web site:

http://www.simulia.com/support/sup_systems_info.html

Furthermore, there are UNIX-specific requirements that must be met prior to using Isight. For more information, see “[Necessary Changes for Executing on UNIX/Linux Systems](#),” on page 65.

Note: You can install 32-bit and/or 64-bit Isight executables on 64-bit Windows and Linux computers. However, it is recommended that you install only the 64-bit executable on a 64-bit operating system.

Removing Old Releases of Isight

It is not usually necessary to remove previous releases of Isight installed on your system. The new installation is placed, by default, into a new directory based on the release number.

When installing a new release of Isight on a computer that is already running the FLEXnet license server, you should not re-install the license manager. Instead, simply install the new Isight release and reference the existing license server during the installation process (instead of supplying the license file).

Important: For more information on upgrading from earlier Isight releases to the current release, see the SIMULIA Online Support System (SOSS). The SOSS is accessible through the My Support page at <http://www.simulia.com>.

4 Installing Isight

This chapter describes how to install Isight on supported Microsoft Windows and UNIX/Linux platforms. It also discusses database migration and license configuration tasks that you may need to perform to enable your design environment.

The chapter is divided into the following topics:

- [“Installation Overview,”](#) on page 36
- [“Installing the Product,”](#) on page 36
- [“Migrating Your Isight Database,”](#) on page 44
- [“Installing Licensing,”](#) on page 47
- [“Uninstalling Isight,”](#) on page 55

Installation Overview

Several steps are required to successfully install the Isight software, depending on your installation environment.

1. Start the Isight Installation Wizard on the system that will be executing Isight.

For details, see [“Installing Isight on Windows,” on page 37](#) or [“Installing Isight on UNIX/Linux,” on page 40](#).

2. Migrate your old Isight database or create a new, empty database.

For details, see [“Migrating Your Isight Database,” on page 44](#).

3. Configure your License Manager. This step is necessary if you did not receive or specify a license file during the Isight installation.

For details, see [“Configuring the License Manager After Installation,” on page 47](#).

4. Install only the Isight license server instead of the full installation of Isight, if desired.

For details, see [“Installing Only a License Server,” on page 52](#).

5. Use the Isight Installation Wizard to remove the Isight software.

For details, see [“Uninstalling on UNIX/Linux,” on page 58](#).

Installing the Product

The Isight installation wizard, which is included on your Isight DVD, guides you through the process of installing Isight on your system. This wizard is used for both Windows and UNIX/Linux operating systems.

In this section:

- [“Installing Isight on Windows,” on page 37](#)
- [“Installing Isight on UNIX/Linux,” on page 40](#)

Installing Isight on Windows

When installing Isight on a Windows system, you need to access and use the Isight installation wizard.

1. Log in as the user that will install Isight.

Note: Normally an Administrator account is used to install the software, but this user level is not required. For more information, see [“Installing as a Non-Administrator \(Non-Root\) User,”](#) on page 20.

2. Verify that no Isight programs (of any release) are currently running.

If you leave any Isight programs running during the installation, the database migration portion of the installation will fail.

3. Insert the Isight DVD.

4. If you are installing on Windows Vista or Windows Server 2008, click **Allow** to confirm the execution of the installation program.

Note: If the installer does not start automatically, execute the `setupwin.exe` file located on the top level of the Isight DVD. This installation program is used for both the 32-bit and 64-bit versions of the software.

The Isight install program starts, and the splash screen appears. The installation wizard will guide you through the installation process. The Welcome screen shows the release of Isight being installed.

5. Click **Next**.

The legal notice agreement screen appears.

6. Read the notice, and click **Next**.

The installation directory screen appears.

7. Perform one of the following actions:

- To accept the default directory, click **Next**. Your default directory may vary based on your system settings and permissions.
- If you want to place Isight in a different location, click **Browse**, choose a destination folder, and click **Open**.

8. Click **Next**.

9. If you are installing on a 64-bit system, the bit version screen appears and you must do the following:
 - a. Determine which bit version of Isight you want to install.

The 32-bit version uses less memory and can run third-party components that use 32-bit native code. The 64-bit version can run larger models, but it requires at least 2 GB of memory. You can install one version or both versions. The 32-bit version is designated with “(32-bit)” in the Windows Start menu.
 - b. Click **Next**.
10. From the license location screen that appears, select where the license file will be accessed. The following options are available:
 - **I have a license file.** Select this option if you have been sent an Isight license file and have direct access to it (not via a license server).
 - **Reference a license server.** Select this option if you received a license file and it resides on a license server.
 - **Skip the license for now - it will be supplied later.** If you select this option, you will be required to start your license server manually once you receive your license file as described in [“Configuring the License Manager After Installation,” on page 47.](#)
11. Click **Next**.
12. Depending on how you will access the license file, do one of the following:
 - If you have a license file:
 - a. Enter the full path and name of the license file, or click **Browse** to locate the file.
 - b. Click **Next**.
 - If you are referencing a license server:
 - a. Enter the following license server information, which is used to contact a license server and create a `license.dat` file that references the license server:
 - **License Server Name.** The host name of the computer running the license server.

- **License Server Port.** The port is found in the license file. The default is to leave this setting empty (Isight’s license manager software selects the port number).

Important: If the license server you are referencing is behind a Windows Firewall (the firewall supplied with most Windows installations), you will need to manually alter your Isight license. For more information, see [“Configuring Your License to Work with a Windows Firewall,” on page 68.](#)

b. Click Next.

- If you will supply the license file at a later time, click **Next**.

After the installation program calculates the required disk space needed, an installation summary screen appears showing what will be installed and the location.

13. Click Next.

The installation progress screen appears, and the software is installed.

14. Depending on how you will access the license file, do one of the following:

- If you have a license file or if you are referencing a license server:

a. Click Next.

The SIMULIA-supplied components are published to the local library. If an earlier release of an Isight database is detected, a database migration program is executed to migrate to the current format. For more information, see [“Migrating Your Isight Database,” on page 44.](#)

b. If you do not want the Isight Design Gateway to start in Standalone mode as soon as the installation is complete, clear the **Start the Design Gateway? check box.**

c. Click Next.

The installation is complete

- If you will supply the license file at a later time:

a. Click Next.

A message appears providing you with your host name and host ID. This information is necessary for creating a license for your system and must be recorded and provided to your SIMULIA representative.

- b. Record the displayed information.
 - c. Click **Finish**.
15. If necessary, start the license manager for Isight. Typically, this process is performed automatically. However, there are some cases when it must be accomplished manually, including if you decided to provide Isight with a license at a later time (as specified in [Step 10](#)). Be sure that you have acquired a license before starting the license manager. For more information, see [“Configuring the License Manager After Installation,”](#) on page 47.

Installing Isight on UNIX/Linux

When installing Isight on AIX, HP-UX, Solaris, and Linux systems, you need to access and use the Isight installation wizard.

If your computer does not have a DVD drive, you can install Isight from a shared disk or network folder. For more information, see [“Installing on a Shared/Network Disk,”](#) on page 22.

Note: Installing on UNIX requires an X-Windows display, either local or remote over a network. If the DISPLAY environment variable is not set, the installation program will not execute. Alternately, you can perform a silent installation without a display. For more information, see [“Installing Isight Non-Interactively,”](#) on page 72.

1. Log in as the user that will install Isight.
 - If you are not installing as root, it is recommended that you review the information in [“Installing as a Non-Administrator \(Non-Root\) User,”](#) on page 20 before beginning your installation.
2. Verify that you have reviewed the pre-installation requirements described in [Chapter 3 “Prerequisites”](#).
3. Verify that no Isight programs (of any release) are currently running. If you leave any Isight programs running during the installation, the database migration portion of the installation will fail.

4. Load the Isight DVD and mount it, if necessary. For more information, contact your system administrator.

Note: On some UNIX systems, the Isight DVD will mount automatically when it is inserted into the DVD drive, and a file browser window will appear. In this case, you can double-click the correct setup file. These files are listed in [Step 6](#).

5. From the terminal window (shell), change to the directory where the Isight DVD is mounted. For example, type:

```
cd /media/dvd
```

6. Execute the installation script by typing one of the following commands, based on your operating system:

- `./setupaix`
- `./setuphpux`
- `./setuplinux`
- `./setupsolaris`

Note: When installing on Linux, an error may occur if too many file systems are mounted. If this error appears, you must exit the installer, unmount the file systems, and re-start the installation process.

The Isight installation wizard starts showing the **Welcome** screen. This wizard will guide you through the rest of the installation.

7. Click **Next**.

The legal notice agreement screen appears.

8. Read the notice, and click **Next**.

The installation directory screen appears.

9. Perform one of the following actions:

- To accept the default directory, click **Next**. Your default directory may vary based on your system settings and permissions.
- If you want to place Isight in a different location, click **Browse**, choose a destination folder, and click **Open**.

10. Click **Next**.

The operating system selection screen appears.

11. Verify that the appropriate operating system is selected. You can choose to install one or multiple operating systems.
12. Click **Next**.

The license location screen appears.

13. Select where the license file will be accessed. The following options are available:
 - **I have a license file.** Select this option if you have been sent an Isight license file and have direct access to it (not via a license server).
 - **Reference a license server.** Select this option if you received a license file and it resides on a license server.
 - **Skip the license for now - it will be supplied later.** If you select this option, you will be required to start your license server manually once you receive your license file as described in [“Configuring the License Manager After Installation,” on page 47.](#)
 14. Depending on how you will access the license file, do one of the following:
 - If you have a license file:
 - a. Enter the full path and name of the license file, or click **Browse** to locate the file.
 - b. Click **Next**.
 - If you are referencing a license server:
 - a. Enter the following license server information, which is used to contact a license server and create a `license.dat` file that references the license server:
 - **License Server Name.** The host name of the computer running the license server.
 - **License Server Port.** The port is found in the license file. The default is to leave this setting empty (Isight’s license manager software selects the port number).
- Important:** If the license server you are referencing is behind a Windows Firewall (the firewall supplied with most Windows installations), you will

need to manually alter your Isight license. For more information, see [“Configuring Your License to Work with a Windows Firewall,”](#) on page 68.

b. Click Next.

- If you will supply the license file at a later time, click **Next**.

After the installation program calculates the required disk space needed, an installation summary screen appears showing what will be installed and the location.

15. Click Next.

The installation progress screen appears, and the software is installed.

16. Depending on how you will access the license file, do one of the following:

- If you have a license file or if you are referencing a license server:

a. Click Next.

The SIMULIA-supplied components are published to the local library. If an earlier release of an Isight database is detected, a database migration program is executed to migrate to the current format. For more information, see [“Migrating Your Isight Database,”](#) on page 44.

- b.** If you do not want the Isight Design Gateway to start in Standalone mode as soon as the installation is complete, clear the **Start the Design Gateway?** check box.

c. Click Next.

d. Review the final installation messages.

e. Click **Finish** to complete the installation.

The installation is complete

- If you will supply the license file at a later time:

a. Click Next.

A message appears providing you with your host name and host ID. This information is necessary for creating a license for your system and must be recorded and provided to your SIMULIA representative.

- b.** Record the displayed information.

- c. Click **Next**.
 - d. Review the final installation messages.
 - e. Click **Finish**.
17. If necessary, start the license manager for Isight. Typically, this process is performed automatically. However, there are some cases when it must be accomplished manually, including if you decided to provide Isight with a license at a later time (as specified in [Step 14](#)) or if you do not have root privileges. For more information, see [“Configuring the License Manager After Installation,” on page 47](#).

Migrating Your Isight Database

If Isight detects a previous release of an Isight database, a migration utility executes, allowing you to update the database to the current release’s format or to create a new, empty database for the current release.

This section is divided into the following topics:

- [“About the Data Migration Wizard,” on page 44](#)
- [“Migrating Your Old Database to the New Format,” on page 45](#)
- [“Creating a New, Empty Database,” on page 46](#)

About the Data Migration Wizard

Your Isight installation includes a tool, the Data Migration Wizard, that allows you to convert your results database to the new release’s database format.

The wizard’s main screen is shown below.



The wizard shows the number of files that will be copied. Depending on the number of files, this process may take a long time.

You must decide if you want to migrate your old database or simply create a new, empty database. Proceed to one of the following topics for more information:

- [“Migrating Your Old Database to the New Format,” on page 45](#)
- [“Creating a New, Empty Database,” on page 46](#)

Migrating Your Old Database to the New Format

You can migrate your existing Isight database to the new release’s database format, allowing you to access all of the Isight model and execution data gathered when using a previous release of the product.

1. Verify that **Copy 4.5 data to your 5.0 database** is selected.
2. If you want to retain the old data in its original format (database), verify that **Preserve old 4.5 database** is selected.

Important: If you choose to preserve the previous data, it is important that you not use both releases of Isight at the same time. Both databases use the same port number, and your data will be corrupted.

Note: You may click **Cancel** to return to the installation process; however, upon starting Isight for the first time, you will be prompted to migrate the database.

3. Click **Create Database**.

Important: Do *not* click **Cancel** during the migration. This will result in corrupt data, and you will have to delete your previous database manually. By default, the database is located in one of the following directories:

- **Windows:** `C:\Documents and Settings\<user_name>\isightdb-xx`

- **UNIX/Linux:** `/home/<user_name>/isightdb-xx`

where *user_name* is the name of the user who installed Isight and *xx* is the release that you want to delete. In some earlier releases of Isight, the database is called *fiperdb* instead of *isightdb*.

Once the migration completes, a **Migration Completed** message appears.

4. Click **OK**.

5. Click **Finish**.

You are returned to the Isight installation wizard.

Creating a New, Empty Database

If you do not want to migrate your existing Isight database, you can create a new, empty database to store your Isight model and execution data.

1. Clear the **Copy 4.5 data to your 5.0 database** check box.
2. If you want to retain the old data in its original format (database), verify that **Preserve old 4.5 database** is selected.
3. Click **Create Database**.

A message appears, informing you that an empty Isight database will be created.

4. Click **Yes**.

A message appears when the database has been created successfully.

5. Click **OK**.

6. Click **Finish**.

You are returned to the Isight installation wizard.

Installing Licensing

During a typical installation, the Isight licensing options are configured automatically. However, if you received your license file after installing Isight, you must manually configure your license manager. In addition, you can use your Isight installation DVD to install only the license server software, if you want all of your Isight installations to use a single license file on a license server.

In this section:

- [“Configuring the License Manager After Installation,” on page 47](#)
- [“Installing Only a License Server,” on page 52](#)

Configuring the License Manager After Installation

If you receive your license file after executing the Isight installation program, you will have to manually configure the license manager. If you had your license file or license server running prior to the Isight installation and used the Installation wizard to specify your license file or server, your license manager does not need any additional configuration.

The Isight license file is generated using the computer information that you provided to your SIMULIA representative. SIMULIA then generates the license and e-mails it to the appointed contact at your site.

Proceed to one of the following sections, based on your operating system:

- [“Installing the License on Windows” on this page](#)
- [“Installing the License on UNIX/Linux,” on page 51](#)

Installing the License on Windows

To correctly install your Isight license, you need to put your Isight license file into the appropriate subdirectory within your Isight installation directory and configure the FLEXnet license manager software.

You need to save your license file, which you most likely received via e-mail, to the correct subdirectory within the Isight installation directory. The license is a text file that contains information about what aspects of Isight you can use. For the most part, you do not need to change anything in the file. However, some minor customizations may be necessary. If a local FLEXnet daemon is required and FLEXnet is not already configured on your system or network, you must also modify the FLEXnet Utilities interface.

1. Login as the Administrator or as a user with administrative privileges.
2. Save the `license.dat` file you received by e-mail into the following directory:

`<isight_install_directory>\license`

3. Open your `license.dat` file using the text editor of your choice.
4. Examine the contents of your license file.

If your computer uses old mail software, you may see additional lines of text at the top of the file. You must remove everything before the line beginning with `SERVER`.

5. Save and close the `license.dat` file.
6. Perform one of the following options, based on your operating system:
 - **Windows XP/Server 2003:** Click **Start**, point to **All Programs / Isight 5.0**, and click **FLEXnet Utilities**.
 - **Windows Vista/Server 2008/7:** Click **Start**, point to **All Programs / Isight 5.0**, right-click **FLEXnet Utilities**, and select **Run as administrator**.

Note: You can also execute the `lmtools.exe` file from the command prompt to start the FLEXnet Utilities interface. This file is located in the `<isight_install_directory>\bin\win32` directory. Be sure to run it using the **Run as administrator** option if using Windows Vista, Windows Server 2008, or Windows 7.

The **LMTOOLS** dialog box appears with the **Service/License File** tab selected.

7. Verify that **Configuration using Services** is selected, and click the **Config Services** tab.

8. Click **Browse** adjacent to the **Path to the lmgrd.exe file** text box.

An **Open** dialog box appears.

9. Navigate to the following directory:

```
<isight_install_directory>\bin\win32
```

10. Select the **lmgrd.exe** file, and click **Open**.

The path appears in the corresponding text box on the **Config Services** tab.

11. Click **Browse** adjacent to the **Path to the license file** text box.

An **Open** dialog box appears.

12. Navigate to the following directory:

```
<isight_install_directory>\license
```

13. From the **Files of type** list, select **License Files(*.dat)**.

The license file appears in the **Open** dialog box.

14. Select the **license.dat** file, and click **Open**.

The path appears in the corresponding text box on the **Config Services** tab.

15. Click **Browse** adjacent to the **Path to the debug log file** text box.

An **Open** dialog box appears.

16. Navigate to any directory in which you want to have the log file stored. For example:

```
<isight_install_directory>\license
```

17. Type the name of the log file in the **File name** text box. For example:

```
debug.log
```

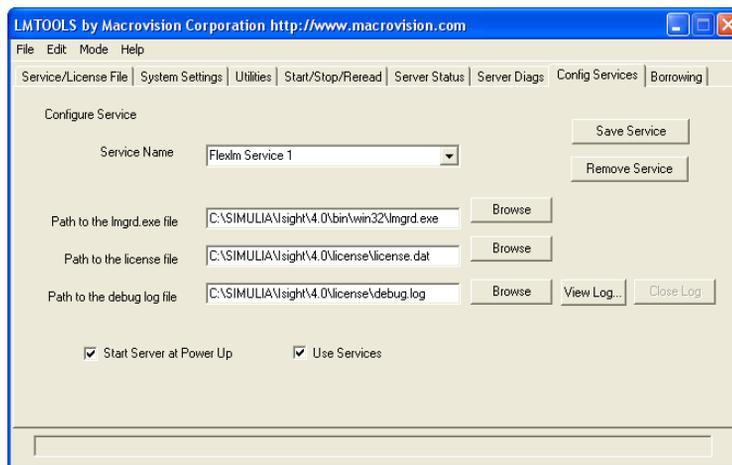
18. Click **Open**.

The path appears in the corresponding text box on the **Config Services** tab.

19. Verify that the following two options at the bottom of the tab are selected:

- **Start Server at Power Up.** Selecting this option means that you do not have to manually start the license server. It is done automatically when your computer is started.
- **Use Services.** Selecting this option activates all of the settings on this tab. It must be selected before clicking **Start Server at Power Up**.

Your dialog box will appear as shown below.



20. Click **Save Service**, and click **Yes** to verify your settings.

21. Click the **Start/Stop/Reread** tab.

22. Click **Start Server**.

The following message appears at the bottom of the dialog box to indicate that the FLEXnet license manager is running: `Server Start Successful`.

23. If the server fails to start after updating the service and you have an existing Isight Service defined, return to the **Configure Service** tab, delete the old service, and create a new service.

This new service should start without any errors.

24. Select **Exit** from the **File** menu to close the **LMTOOLS** dialog box.

You can now start using Isight.

25. Access the Design Gateway to test your license file.

You will be prompted to publish the SIMULIA-supplied Isight components. Once the components are published, the Design Gateway interface appears, confirming that your license and license server are functioning correctly.

Installing the License on UNIX/Linux

To correctly install your Isight license, you need to put your Isight license file into the appropriate subdirectory within your Isight installation directory and configure the FLEXnet license manager software.

You need to save your license file, which you most likely received via e-mail, to the correct subdirectory within the Isight installation directory. The license is a text file that contains information about what aspects of Isight you can use. Although most of this file is generated for your specific needs, a few customizations are necessary. Two scripts are provided with your Isight installation that assist you with installing and starting your FLEXnet license manager.

1. Save the `license.dat` file you received by e-mail into the following directory:

```
<isight_install_directory>/license
```

If your computer uses old mail software, you may see additional lines of text at the top of the file. You must remove everything before the line beginning with `SERVER`.

2. If you are using a combined license file with an existing FLEXnet license server, you must add the path to `engswd` on the `VENDOR` line (second line) of the license file.

For example, if you installed Isight in the `/opt` directory on an AIX computer, you would change the `VENDOR` from:

```
VENDOR engswd
```

to the following:

```
VENDOR engswd
/opt/SIMULIA/Isight/5.0/bin/AIX_5.1_ppc/engswd
```

3. If your license file contains the string `XXXX` on the `SERVER` line, replace the `XXXX` string with the host name of your computer.

The host name of the computer may be determined by typing the command `uname -n` at the terminal prompt.

4. Save and exit your license file.
5. Perform one of the following actions:
 - Log in as root (obtain root permissions).
 - Verify that you have permission to write in the `/etc` directory.
6. Change to the following directory:

```
<isight_install_directory>/license
```

7. Execute the following command:

```
./flexlm install
```

A message appears, informing you that the FLEXnet startup script is being installed. The process is complete when you are returned to the prompt.

8. Execute the following command to manually start the license manager:

```
./flexlm start
```

Note: If you did not have root privileges when you installed Isight, you will have to execute this command every time you reboot your system. A warning message stating this necessity appeared during your installation. Otherwise, the license manager will start automatically after a reboot.

A message appears stating that your license manager was started successfully. You can now start using Isight.

9. Access the Design Gateway to test your license file.

You will be prompted to publish the SIMULIA-supplied Isight components. Once the components are published, the Design Gateway interface appears, confirming that your license and license server are functioning correctly.

Installing Only a License Server

If the Isight license server is to be run on a system that does not have Isight installed on it, you can install just the license server software.

Important: If the license server you are referencing is behind a Windows Firewall (the firewall supplied with most Windows installations), you will need to manually alter your Isight license. For more information, see [“Configuring Your License to Work with a Windows Firewall,”](#) on page 68.

The license server-only installation procedure is described in the following topics:

- [“Installing the License Server on Windows,”](#) on page 53
- [“Installing the License Server on UNIX/Linux,”](#) on page 54

Installing the License Server on Windows

The procedure for installing the Isight license server on Windows involves copying specific files from the Isight DVD and running a command to perform the installation.

1. Log in as the user that will install the license server.

Note: Normally an Administrator account is used to install the software, but this user level is not required. For more information, see [“Installing as a Non-Administrator \(Non-Root\) User,”](#) on page 20.

2. Insert the Isight DVD.
3. If necessary, stop the full Isight installation program. Most of the time it will start automatically.
4. Navigate to the following directory on the Isight DVD:

```
<isight_dvd>\FLEXnet\<platform_directory>
```

where *<platform_directory>* represents the operating system running on the license server computer. The 32-bit version of the license server (in the win32 directory) will run on both 32-bit and 64-bit Windows computers.

5. Copy the files you find in this platform directory to the computer where the license server will be installed.

It is recommended that you copy the files to a directory similar to one of the following examples:

- C:\SIMULIA\FLEXnet
- C:\Program Files\FLEXnet

6. Copy your Isight license file into the directory used in [Step 5](#).
7. Rename the license file to `license.dat`.
8. Open a **Command Prompt** dialog box, and navigate to the directory used in [Step 5](#).
9. Type the following command:

```
lmgrd -c license.dat -L license.log
```

Note: You can also install the license manager to start as a service. For more information, see [“Configuring the License Manager After Installation,”](#) on [page 47](#).

The license server installation is complete.

Installing the License Server on UNIX/Linux

The procedure for installing the Isight license server on UNIX/Linux involves copying specific files from the Isight DVD and running a command to perform the installation.

1. Log in as the user that will install Isight. If you are not installing as root, it is recommended that you review the information in [“Installing as a Non-Administrator \(Non-Root\) User,”](#) on [page 20](#) before beginning your installation.
2. Load the Isight DVD and mount it, if necessary. For more information, contact your system administrator.

Note: On some UNIX systems, the Isight DVD will mount automatically when it is inserted into the DVD drive, and a file browser window will appear. In this case close the file browser window.

3. From the terminal window (shell), change to the directory where the Isight DVD is mounted. For example, type:

```
cd /media/dvd
```

4. Navigate to the following directory on the Isight DVD:

```
<isight_dvd>\FLEXnet\<platform_directory>
```

where *<platform_directory>* represents the operating system running on the license server computer. The 32-bit Linux version of the license server (in the `linux` directory) will run on both 32-bit and 64-bit Linux computers.

5. Copy the files you find in this platform directory to the computer where the license server will be installed. It is recommended that you copy the files to a directory similar to `/opt/SIMULIA/FLEXnet`.
6. Copy your Isight license file into the directory used in [Step 5](#).
7. Rename the license file to `license.dat`.
8. Enter the following command in the directory used in [Step 5](#).

```
lmgrd -c license.dat -l license.log
```

Note: You can also install the license manager to start as a service. Copy the `flexlm` file (in the *<isight_install_directory>/license* directory on any UNIX/Linux system where Isight is already installed) into the directory used in [Step 5](#), and complete the procedure described in “[Installing the License Server on UNIX/Linux,](#)” on page 54.

The license server installation is complete.

Uninstalling Isight

This section describes how to *permanently* remove Isight from your system.

It is divided into the following topics:

- “[Uninstalling on Windows](#)” on this page
- “[Uninstalling on UNIX/Linux,](#)” on page 58

Uninstalling on Windows

You can permanently remove Isight and the license service at any time, as conditions warrant. This process involves stopping the license server, removing the Isight software, and deleting any temporary directories and files that are left behind.

Typically, the uninstallation process removes the license server. If you have multiple servers running on an individual computer, you may need to manually uninstall the license server as described in this section.

If you have multiple releases of Isight installed on a single computer using local license files, uninstalling one release of Isight may delete the license server used by the other installations. If your license server is deleted, you will need to reinstall the license server manually as described in [“Installing Only a License Server,” on page 52](#).

Important: If you have two copies of the same releases of Isight installed (for example, the initial release and a maintenance release that followed), you must directly access the uninstaller of the release you want to remove. It is recommended that you *not* use the Windows Control Panel as described in the following procedure. The uninstaller is located in the `_uninst` subdirectory of the main Isight installation directory for the release that you want to remove. Execute the `uninstall.exe` file in this subdirectory.

1. Login as the Administrator or a user with administrative privileges.
2. If you are running a license server with your Isight installation, you need to stop the server and remove it:
 - a. Open the **LMTOOLS** dialog box by performing one of the following options:
 - **Windows XP/Server 2003:** Click **Start**, point to **All Programs / Isight 5.0**, and click **FLEXnet Utilities**.
 - **Windows 2000:** Click **Start**, point to **Programs / Isight 5.0**, and click **FLEXnet Utilities**.
 - **Windows Vista/Server 2008/7:** Click **Start**, point to **All Programs / Isight 5.0**, right-click **FLEXnet Utilities**, and select **Run as administrator**.
 - b. On the **LMTOOLS** dialog box, click the **Start/Stop/Reread** tab.
 - c. Select the Isight license service, and click **Stop Server** to stop the license server.
 - d. Click the **Config Services** tab.
 - e. Verify that the Isight service is select from the **Service Name** list, and click **Remove Service**.
 - f. Click **Yes** to verify the removal of the service.

15. Delete the 5.0 directory and all of its contents.
16. Navigate to the following directory, where `<user_name>` is the name of the user who installed and uninstalled Isight:
 - **Windows 2000/XP/Server 2003:** `C:\Documents and Settings\<user_name>`
 - **Windows Vista/Server 2008/7:** `C:\Users\<user_name>`
17. Delete the following items, if they are present:
 - `fiper.preferences` file
 - `isightdb-50` directory
 - `fiper` directory
 - `Isightinstall.log` file
 - `locallib_5.0` directory
18. Navigate to one of the following directories, based on your operating system, where `<user_name>` is the name of the user who installed and uninstalled Isight:
 - **Windows 2000/XP/Server 2003:** `C:\Documents and Settings\<user_name>\Local Settings\Temp`
 - **Windows Vista/Server 2008/7:** `C:\Users\<user_name>\AppData\Local\Temp`
19. Delete the `fiper` and `fiperx.mmcache` directories.

The Isight removal process is complete.

Uninstalling on UNIX/Linux

You can permanently remove Isight and the license service at any time, as conditions warrant. This process involves stopping the license server, removing the Isight software, and deleting any temporary directories and files that are left behind.

Typically, the uninstallation process removes the license server. If you have multiple servers running on an individual computer, you may need to manually uninstall the license server as described in this section.

Note: If you have multiple releases of Isight installed on an individual computer using local license files, uninstalling one release of Isight may delete the license server used by the other installations. If your license server is deleted, you will need to reinstall the license server manually as described in [“Installing Only a License Server,” on page 52](#).

1. Stop all Isight programs.
2. If you are running a license server with your Isight installation, you need to stop the server and remove it:

- a. Perform one of the following actions:

- Log in as root (obtain root permissions).
- Verify that you have permission to write to the `/etc` directory.

- b. Change to the following directory:

```
<isight_install_directory>/license
```

- c. Execute the following command to stop the license manager:

```
./flexlm stop
```

A message appears stating that your license manager was shut down successfully.

- d. Execute the following command:

```
./flexlm uninstall
```

A message appears informing you that the FLEXnet startup script has been removed. The process is complete when you are returned to the prompt.

3. Verify that you are logged in as the same user that installed Isight.

Important: You must be logged in as the same user that installed Isight or the uninstaller will not be able to completely remove the software.

4. Navigate to the following directory:

```
<isight_install_directory>/_uninst
```

5. Execute one of the following commands, based on your operating system:

- `./uninstallaix`
- `./uninstallhpux`

- `./uninstalllinux`
- `./uninstallsolaris`

The **Welcome** dialog box appears.

6. Click **Next**.

A summary of the uninstallation appears.

7. Click **Next**.

The software is removed. You are informed when the removal is complete.

8. Click **Next**.

A message appears telling you that you have to log out and then log back into your system to update your environment variables.

9. Click **Finish**.

The uninstaller is closed.

10. Log out of your system, and then log back into your system.

11. Log in as root (obtain root permissions).

Although it is not necessary to be root to delete all the temporary files, it is necessary for some of the files.

12. Navigate to the directory that contains the top level of your Isight installation.

For example, if you installed Isight in `/opt/SIMULIA/Isight/5.0`, navigate to the `/opt/SIMULIA/Isight` directory.

13. Delete the `5.0` directory and all of its contents.

14. Navigate to the `$HOME` directory for the user that installed Isight.

15. Delete the following items, if they are present:

- `.fiper.preferences` file (notice the leading “.” in the file name)
- `locallib_5.0` directory
- `isightdb-50` directory
- `fiper` directory

- any Isight logs (such as the installation and uninstallation logs)

16. Navigate to the following directory:

```
/var/tmp
```

17. Delete the `flexlm.log` file (if it is present).

18. Delete any directories named `fiper_user`, where `user` is the user name of a someone who uses the system on which Isight was installed. These are Isight temporary directories.

The Isight removal process is complete.

5 Configuration

This chapter describes the additional steps that may be necessary to enable Isight to function correctly. It also describes changes that may be needed to your license file based on your network environment.

The chapter is divided into the following topics:

- [“User Login Names Containing Punctuation,”](#) on page 64
- [“Necessary Changes for Executing on UNIX/Linux Systems,”](#) on page 65
- [“Modifying Your Isight License to Use a License Server,”](#) on page 68
- [“Configuring Your License to Work with a Windows Firewall,”](#) on page 68

User Login Names Containing Punctuation

Isight interfaces do not run correctly if they are started using a user login name (user ID) that contains punctuation marks—most notably !, #, ?, and : (exclamation point, pound sign, question mark, and colon). To avoid this problem, you must force the Isight installation and all temporary files into directories that do not contain these characters.

JAVA uses URLs internally to locate `.jar` files, and punctuation marks cause the URL to be misinterpreted. The problem is most common on Windows-based systems, where the default temporary directory is inside a directory named after the user name.

To correct this issue, you must first verify that Isight is not installed in a directory that contains any of these characters. Second, you need to manually set your temporary directory to a directory that does not contain these characters. On Windows, set the `TEMP` environment variable. On UNIX/Linux, set the `TMPDIR` environment variable. For more information on setting environment variables on your system, contact your local system administrator.

If the appropriate environment variable cannot be set, the variable `FIPER_TEMP` can be used.

Finally, if you cannot set either the system environment variables or the `FIPER_TEMP` variable, create a file called `fiper.bat` (Windows) or `.fiper.sh` (UNIX/Linux) in your home directory. Use this file to set the environment variable `FIPER_TEMP` to a “safe” directory name. The contents of the new file will be similar to the following examples:

■ Windows (`fiper.bat`)

```
set FIPER_TEMP=C:\TEMP\bang-user
```

■ UNIX/Linux (`.fiper.sh`)

```
FIPER_TEMP=/var/tmp/bang-user
export FIPER_TEMP
```

Necessary Changes for Executing on UNIX/Linux Systems

Prior to installing Isight on UNIX and Linux operating systems, you must verify and possibly alter settings specific to the operating system you are using.

Note: For more information on any of the settings described in this section, contact your local system administrator.

This section is divided into the following topics:

- [“Necessary Settings for AIX Systems”](#) on this page
- [“Necessary Settings for HP-UX Systems”](#) on this page
- [“Necessary Settings for Solaris Systems,”](#) on page 67
- [“Necessary Settings for Linux Systems,”](#) on page 67

Necessary Settings for AIX Systems

There are AIX-specific settings and changes that must be completed prior to installation to ensure that Isight functions properly.

■ Operating System Requirements

To ensure that execution on the AIX operating system is successful, you need to verify that the following patch level has been installed, based on your version of AIX:

- **AIX 5L v3:** minimum AIX level 5300-07 (APAR IZ07976)
- **AIX v6.1:** minimum AIX level 6100-GOLD

■ FORTRAN Library Requirements

If you are installing Isight on an AIX-based system, you need to verify that you have the FORTRAN run-time file (`libxlf90.a`) installed in the `/usr/lpp/xlf` directory. This file is an optional add-on to the AIX operating system and may need to be installed manually.

Installations of Isight on the AIX platform require the following libraries:

- xlftrte 8.1.0.0 XL Fortran Runtime Environment
- xlftrte.aix50 8.1.0.0 XL Fortran Runtime Environment AIX 5.0 Libraries

Necessary Settings for HP-UX Systems

There are HP-UX-specific settings and changes that must be completed prior to installation to ensure that Isight functions properly.

■ Operating System Requirements

To ensure that execution on the HP-UX operating system is successful, you need to take the following steps:

- Increase the number of threads per process from the default setting of 64 to at least 256. Failure to do so will cause non-reproducible errors during execution.

For more information, contact your local system administrator or refer to your HP-UX administration documentation concerning how to increase the kernel parameter `max_thread_proc` from the default of 64 to at least 256.

- Tune the kernel according to the recommendations of the HPjconfig configuration tool. You can download and run the HPjconfig tool from the Hewlett-Packard Web site:

<http://www.hp.com/go/java>

■ Java Run-time Environment Requirements

On HP-UX 11.11, 11.23, and 11.31 PA-RISC, use the patches for Java 6.0 as described on the following Web site:

<http://docs.hp.com/en/HPUXJAVAPATCHES/index.html>

Warning: Failing to install all required patches to HP-UX will result in Java program problems. Sometimes, the only way to reset the computer after such a problem is to restart it. This issue presents a serious problem that will affect all users of the computer, not just those running Isight. The patches listed on the Web site must be applied before Isight is installed.

Necessary Settings for Solaris Systems

There are Solaris-specific settings and changes that must be completed prior to installation to ensure that Isight functions properly.

■ Java Run-time Environment Requirements

You must install Solaris J2SE Cluster Patches as described on the following Web site:

<http://sunsolve.sun.com/show.do?target=patches/patch-access>

■ Swap Space Settings

If you are installing Isight on a Solaris-based system, you must verify that the system has swap space equal to three or four times the main memory. The large amount of swap space is needed because Isight can grow to more than 500 MB. Additional swap space equal to the process size is allocated for a short time whenever the program creates a sub-process to execute an external program. This space is never used but must be available. Insufficient swap space will cause Isight jobs to fail sporadically with messages about “insufficient disk space.” Other versions of UNIX/Linux use a different scheme for allocating swap space to processes and can run Isight with swap space equal to twice the main memory.

Necessary Settings for Linux Systems

There are Linux-specific settings and changes that must be completed prior to installation to ensure that Isight functions properly.

You need to verify that the following files are present on the system that will be running Isight. These files must be installed before running the Isight installation program.

- `/usr/lib/libstdc++-libc6.1-1.so.2`
- `/usr/X11R6/lib/libXp.so.6`

If these files are missing, contact your Linux support site to determine which packages must be installed to get these files.

Modifying Your Isight License to Use a License Server

The Isight installation places your license file in the `<isight_install_directory>\license` directory. If a modification is required because, for example, your organization uses a central FLEXnet license server, you can edit the file to be a “use_server” file and point to the central server.

You can also combine license files for all products using FLEXnet with appropriate editing. For more information, contact SIMULIA technical support.

1. Login as Administrator.
2. Navigate to the following directory:
`<isight_install_directory>\license`
3. Open the `license.dat` file with the text editor of your choice.
4. Edit the file as necessary. For example, you can edit the file as shown below (replacing *servername* and *portnumber* with the appropriate information for your license server).

```
SERVER <servername> ANY <portnumber>  
USE_SERVER
```

Configuring Your License to Work with a Windows Firewall

If you specified a license server that is behind a Windows Firewall, you need to edit your license file to ensure that it can connect to the license server when Isight is started.

1. Verify that the Windows Firewall has been updated so that the necessary license ports are open for the license server. For more information, contact your local system administrator.

2. Navigate to the following directory:

```
<isight_install_directory>\license
```

3. Open the `license.dat` file in the text editor of your choice.
4. Add the port number opened on the license server computer's Windows Firewall to the `SERVER` line in your license file. For example, if port 1700 was opened on the Windows Firewall, your license `SERVER` line would appear similar to the example shown below:

```
SERVER isightmachine ANY 1700
```

For more information on what port numbers were opened on your license server's Windows Firewall, contact your local system administrator.

5. Save and close your license file.
6. Start an Isight interface to verify that you can communicate with the license server.

6 Reference Information

This chapter contains information that may be useful when installing Isight, but it is typically not needed when completing the installation process

The chapter is divided into the following topics:

- [“Installing Isight Non-Interactively,” on page 72](#)
- [“Environment Variables,” on page 74](#)

Installing Isight Non-Interactively

You can install Isight with minimal interaction, instead of specifying the numerous options available using the installation wizard.

There are two ways to install Isight non-interactively:

- [“Installing Using the Default Settings”](#) on this page. This type of installation involves issuing a single command and installing Isight using all the default settings.
- [“Installing With Pre-Determined User Responses,”](#) on page 73. This type of installation allows you to create a file that stores your installation settings. Once created, this file can be used to automatically configure any additional installations.

Installing Using the Default Settings

You can install Isight using a single command. When this option is used, Isight is installed using all of the default settings.

1. Open a **Command Prompt** dialog box (Windows) or a terminal window (UNIX/Linux).
2. Enter one of the following commands, based on your operating system:
 - **Windows:** `D:\setupwin.exe -silent` (where D: is your DVD drive letter)
 - **UNIX/Linux:** `/<dvd_mount_point>/setup<platform> -silent` (where *dvd_mount_point* is specific to your system, and *platform* specifies the type of UNIX/Linux operating system you are using)

Note: A default install does not install a license file or a license server. You will need to copy a `license.dat` file from the `license` directory of an existing install to the `license` directory of the new installation.

The software is installed.

Installing With Pre-Determined User Responses

You can create a file during a standard Isight installation that stores all of your installation settings. Once created, this file can be used to automatically configure any additional Isight installations.

1. Open a **Command Prompt** dialog box (Windows) or a terminal window (UNIX).
2. Enter one of the following commands, based on your operating system:

- **Windows:** `D:\setupwin.exe -options-record C:\Temp\options.txt` (where D: is your DVD drive letter)
- **UNIX/Linux:** `<dvd_mount_point>/setup<platform> -options-record /tmp/options` (where *dvd_mount_point* is specific to your system, and *platform* specifies the type of UNIX/Linux operating system you are using)

The last argument to the setup program is the path to the file where the setup options are stored. This must be an absolute path, as the installer internally does a “cd” to an unwritable directory.

3. When the installation interface appears, perform the installation procedures as usual. Once completed, the setup options are stored in the specified file.
4. Enter one of the following commands, based on your operating system:

- **Windows:** `D:\setupwin.exe -silent -options C:\Temp\options.txt` (where D: is your DVD drive letter)
- **UNIX/Linux:** `<dvd_mount_point>/setup<platform> -silent -options /tmp/options` (where *dvd_mount_point* is specific to your system, and *platform* specifies the type of UNIX/Linux operating system you are using)

The last argument to the setup program is the path to the file where the setup options are stored. This must be an absolute path, as the installer internally does a “cd” to an unwritable directory.

The software is installed.

Environment Variables

Several environment variables are set automatically by the Isight installer. These variables are used primarily for creating custom Isight add-ons and do not need to be set for typical operation.

The following environment variables are configured:

- `FIPER_HOME_50=<isight_install_directory>`
- `FIPER_HOME=<isight_install_directory>`
- **UNIX/Linux:** `PATH`

Note: If the Isight installation program is run by a user in the Administrators group (on Windows), the environment variables are set for all users. If the user is not in the Administrators group, the environment variables are set only for that user. On UNIX/Linux, these variables are set only for the user installing Isight in the user's `.profile` file.

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