



BEA JRockit™ SDK

Installing BEA JRockit

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Installing BEA JRockit SDK

This section describes how to install BEA JRockit 1.4.2 as a standalone application. It includes information on the following subjects:

- [Java 2 Standard Edition™ \(J2SE™\) Compatibility](#)
- [Platform Support](#)
- [Important Note on SDK Version Numbering in this Chapter](#)
- [Installing and Uninstalling BEA JRockit SDK](#)
- [Installing and Uninstalling BEA JRockit SDK in Console Mode](#)
- [Installing and Uninstalling BEA JRockit SDK in Silent Mode](#)
- [Using the Linux man Pages](#)
- [Special Note About Root Access](#)

Be aware that BEA JRockit 1.4.2 SDK can be used by any application and does not interact with or create a BEA registry. Also note that BEA WebLogic Platform is not certified with this version of BEA JRockit.

Java 2 Standard Edition™ (J2SE™) Compatibility

BEA JRockit 1.4.2 is certified by Sun Microsystems, Inc. to be compatible with Java 2 Standard Edition (J2SE), versions 1.4.2_08.

The JRE class files that are distributed with JRockit come directly from Sun except for a small number, which are tightly coupled to the JVM and are therefore overridden in BEA JRockit. The class files that are overridden are in the `java.lang`, `java.io`, `java.net` and `java.util` packages. There are no omitted classes. For procedures on installing the JRE only, please refer to [Installing the BEA JRockit 1.4.2 JRE](#).

Platform Support

For a complete list of supported platforms, please go to:

<http://edocs.bea.com/wljrockit/docs142/certif.html>

Note: For Red Hat Linux AS, the only supported versions of `kernel`, `glibc` and `pthread`s are the ones that ship as the defaults with RH AS 2.1.

Important Note on SDK Version Numbering in this Chapter

Installing BEA JRockit SDK describes how to install BEA JRockit SDK with `1.4.2_08` class libraries. After step 1 in [Installing the SDK](#), below, the SDK version will be referenced throughout this guide as `1.4.2_<version>`; for example, instead of `jrockit-24.5.0-j2sdk1.4.2_08`, you will see `jrockit-24.5.0-j2sdk1.4.2_<version>`. As you use this guide, please assume that `<version>` refers to `08`.

Installing and Uninstalling BEA JRockit SDK

This section explains how to install and uninstall a standalone version of BEA JRockit 1.4.2 SDK for Windows 2000 and Windows Server 2003 EE and on the Red Hat Linux 32-bit and 64-bit platforms from a GUI.

Note: When installing on Linux, the default location for system prefs will be:

```
JAVAHOME/.systemPrefs, where JAVAHOME=<SDK_INSTALLDIR>/jre or  
<JRE_INSTALLDIR>
```

Alternatively, a root user may use the installer option

```
-Djava.util.prefs.SystemRoot.location=system, changing the location for  
system prefs to:
```

```
/etc/.java/.systemPrefs
```

```
-Djava.util.prefs.SystemRoot.location=javahome is the default if not  
specified.
```

Installing the SDK

Note: The following procedure assumes that you have already downloaded the appropriate version of BEA JRockit SDK for your operating system.

To install BEA JRockit SDK, do the following:

1. On your local drive, locate the executable file for the version of BEA JRockit SDK you want to install:

- `jrockit-24.5.0-j2sdk1.4.2_08-win-ia32.exe` for Windows 2000 and Windows 2003
- `jrockit-24.5.0-j2sdk1.4.2_08-win-ipf.exe` for Windows 2003 Server EE
- `jrockit-24.5.0-j2sdk1.4.2_08-linux-ia32.bin` [for supported Linux 32-bit versions](#)
- `jrockit-24.5.0-j2sdk1.4.2_08-linux-ipf.bin` [for supported Linux 64-bit versions](#)

Note: If you install the SDK in Linux by using the `.bin` file, you need to ensure the file is executable. You can use `chmod +x <filename>` to set the executable.

2. In your file management system (for example, Windows Explorer) double-click the filename or icon.

If you are using a Linux x-terminal, type

```
./jrockit-24.5.0-j2sdk1.4.2_<version>-linux-ia32.bin.
```

The install process begins and the BEA installer window appears, followed shortly thereafter by the Welcome window.

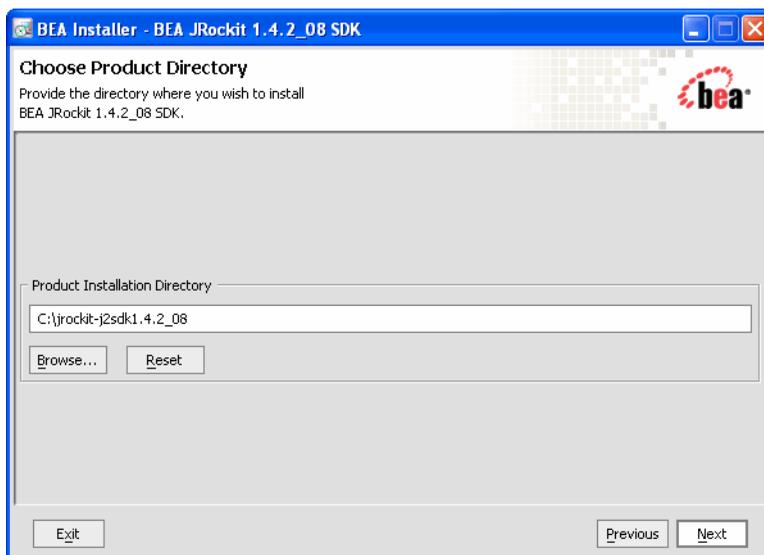
3. Click **Next**.

The BEA License Agreement window appears.

4. Select **Yes** and click **Next**.

The Choose Product Directory window appears.

Figure 1-1 Choose Product Directory Window



5. Select a product directory as described in [Table 1-1](#).

Table 1-1 Selecting a Product Directory

| If you want to... | Do this... |
|-------------------------------------|--|
| Select a default product directory. | Continue the installation or, if you have changed the directory, click Reset to return to the default directory. |
| Create a new product directory | Either: <ul style="list-style-type: none">• Type the name of the new directory (full path) in the text box. or <ul style="list-style-type: none">• Click the Browse button to display a directory tree and navigate to and select the appropriate directory. |

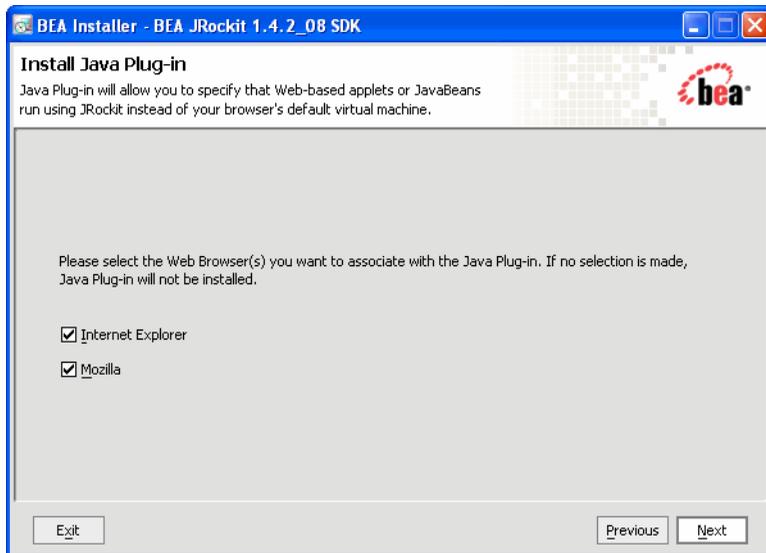
6. Click **Next**. If you are installing JRockit on other platforms than for Windows 2000 and Windows 2003, please proceed to [step 10. in “Installing the SDK”](#).

If installing on Windows 2000 or Windows 2003, the Install Public JRE window appears, prompting you to install or not install the public JRE (see [“Java Runtime Environment \(JRE\)”](#) for more information about the JRE).

7. Do one of the following:
 - To install the Public JRE, click **Yes** Install Public JRE
 - To omit the public JRE, click **No** Don't Install Public JRE
8. Click **Next**.

The Install Java Plug-in window appears (Figure 1-2). The Java Plug-in extends the functionality of a web browser. For more information on the Plug-in, please refer to “Using the Java Plug-in.”

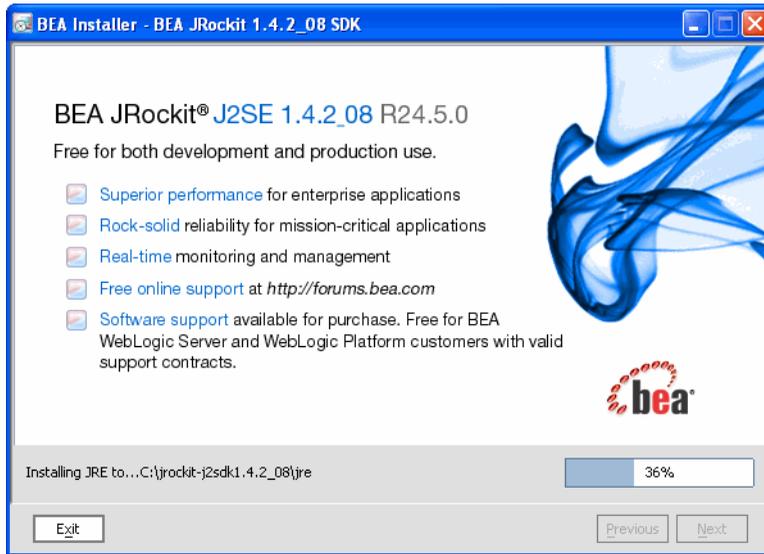
Figure 1-2 Install Java Plugin Window



9. Select the browser(s) you want to associate with the Java Plug-in and click **Next**. This screen will only list the browsers installed on your computer and the screen only appears on Windows platforms.
10. Click **Next**.

The install splash screen appears and the installation process continues, as indicated on the progress meter in the lower right corner of the window (Figure 1-3).

Figure 1-3 Install Splash Screen with Progress Meter



When the installation is complete, the Installation Complete screen appears.

11. Click **Done**.

BEA JRockit SDK is now installed. To use JRockit, you need to add it to your path.

On Linux use this command:

```
export PATH=<your_install_dir>/bin:$PATH
```

Replace <your_install_dir> with the absolute path of the directory where you installed jrockit. The command could look like the following example:

```
export PATH=/home/user/jrockit-24.5.0-j2sdk1.4.2_<version>/bin:$PATH
```

On Window use this command:

```
set PATH=c:\jrockit-24.5.0-j2sdk1.4.2_<version>\bin;%PATH%
```

Uninstalling the SDK

This section describes how to uninstall both Windows and Linux versions of BEA JRockit SDK

Uninstalling Windows Versions

To uninstall BEA JRockit SDK, do the following:

1. Click **Start** and open the Programs menu.
2. Select **BEA JRockit 1.4.2_08 SDK > Uninstall JRockit 1.4.2_08 SDK**.
The Uninstall confirmation message box appears.
3. Click **OK**.
 - The Uninstalling BEA JRockit SDK screen appears and the uninstall process commences.

As the uninstall process executes, a checklist will appear on the The Uninstalling BEA JRockit SDK screen, listing the uninstallation tasks as they complete. When the selected SDK is completely removed, “uninstall complete” appears.

4. Click **OK**.

This removes the SDK from your computer.

Uninstalling Linux Versions

To uninstall Linux versions of BEA JRockit, do the following:

1. Ensure you are one step below the appropriate BEA JRockit product directory.
2. From the command line, type:

```
rm -rf jrockit-24.5.0-j2sdk1.4.2_<version>
```

(where the product directory corresponds to your currently installed JRockit version) and press Enter.

This removes the SDK from your computer.

Installing and Uninstalling BEA JRockit SDK in Console Mode

You can install SDK in console mode, rather than from a GUI. This section describes how to install BEA JRockit using console mode for both Windows and Linux operating systems.

Installing Windows Versions in Console Mode

To install Windows version of BEA JRockit in console mode, enter the command for the version you want to install at the command line; for example, to install the Win-ia32 version of the SDK, do the following:

1. Open a command prompt box on your computer.

2. Change to the directory from which you want to install BEA JRockit.
3. At the command line, enter:

```
jrockit-24.5.0-j2sdk1.4.2_<version>-win-ia32.exe -mode=console
```

The installation will commence with a new DOS window showing the extraction process. Once the extraction process is complete, the system will prompt you though the installation, replicating in text the option GUIs described in [Installing and Uninstalling BEA JRockit SDK](#).

Note: If you don't specify `-mode=console` at the command line, the installer will revert to GUI mode, as described in [Installing and Uninstalling BEA JRockit SDK](#).

Uninstalling Windows Versions in Console Mode

You cannot uninstall Windows versions of BEA JRockit SDK in console mode at this time. You must use the method described in [Uninstalling the SDK](#)

Installing Linux Versions in Console Mode

To install BEA JRockit in console mode, do the following:

Note: If you install the SDK in Linux by using the `.bin` file, you need to ensure the file is executable. You can use `chmod +x <filename>` to set the executable.

1. Change to the directory from which you want to install BEA JRockit.
2. At the prompt, type:

```
jrockit-24.5.0-j2sdk1.4.2_<version>-linuxxx.bin -mode=console
```

(where `xx` is your machine type, either 32 or 64; the following example is for a 32-bit machine) and press Enter.

The system responds:

```
Extracting 0%.....100%
```

Once the extraction process is complete, the system will prompt you though the installation, replicating in text the option GUIs described in [Installing and Uninstalling BEA JRockit SDK](#).

Uninstalling Linux Versions in Console Mode

You cannot uninstall Linux versions of BEA JRockit 1.4.2 in the console mode. Instead, use the method described in [Uninstalling the SDK](#).

Installing and Uninstalling BEA JRockit SDK in Silent Mode

The silent installation mode lets you set installation configurations only once and then use those configurations to duplicate the installation on many machines. During installation in silent mode, the installation program reads installation options from an XML file that you create prior to beginning the installation (see [The silent.xml File](#)). The installation program does not display any configuration options during the installation process. For more information on the silent mode, please refer to “[Installing WebLogic Server Using Silent-Mode Installation](#)” in the BEA WebLogic Server *Installation Guide*.

The silent.xml File

For a silent mode installation to be successful, you will need to create the file `silent.xml` and store it on your computer. This file contains the values you want included in your set-up; for example, whether or not you want the Public JRE installed, and which browser(s) you want to associate with the Java Plugin. [Listing 1-1](#) shows an example of a typical `silent.xml` file.

Listing 1-1 Typical silent.xml File

```
<?xml version="1.0" encoding="UTF-8" ?>
<domain-template-descriptor>
  <input-fields>
    <!-- Installation dir -->
    <data-value name="USER_INSTALL_DIR" value="C:\jrockit-24.5.0-j2sdk1.4.2_08"
  />
  <!--
    Install Public JRE
    This option is available in Win-ia32 SDK installer
  -->
  <data-value name="INSTALL_PUBLIC_JRE" value="true" />
  <!--
    Install Java plugin for Internet Explorer
    if IE is installed on the system.
    This option is available in Win-ia32 JRE installer.
    It also works in Win-ia32 SDK installer, but the
    INSTALL_PUBLIC_JRE option must be "true"
  -->
  <data-value name="REGISTER_PLUGIN_WITH_IE" value="true" />
  <!--
    Install Java plugin with Netscape web browser
```

```

        if Netscape is installed on the system.
        This option is available in Win-ia32 JRE installer.
        It also works in Win-ia32 SDK installer, but the
        INSTALL_PUBLIC_JRE option must be "true"
-->

<data-value name="REGISTER_PLUGIN_WITH_NS" value="true" />

<!--
    Install Java plugin with Mozilla web browser
    if Mozilla is installed on the system.
    This option is available in Win-ia32 JRE installer.
    It also works in Win-ia32 SDK installer, but the
    INSTALL_PUBLIC_JRE option must be "true"
-->

<data-value name="REGISTER_PLUGIN_WITH_MOZILLA" value="true" />
</input-fields>
</domain-template-descriptor>

```

Installing and Uninstalling Windows Versions in the Silent Mode

These procedures apply to supported Windows 32-bit and 64-bit platforms. See [BEA JRockit 1.4.2 SDK Platform Support](#) for a list of supported Windows platforms.

Installing the SDK in the Silent Mode

To install the SDK in the silent mode on Windows machines, enter at the command line (this procedure assumes that `silent.xml` is stored in `D:\Works\`):

For **win-ia32**:

```
>jrockit-24.5.0-j2sdk1.4.2_<version>-win-ia32.exe -mode=silent
-silent_xml="D:\Works\silent.xml"
```

For **win-ipf**:

```
>jrockit-24.5.0-j2sdk1.4.2_<version>-win-ipf.exe -mode=silent
-silent_xml="D:\Works\silent.xml"
```

You will receive a message advising that files are being extracted and no other confirmation. If you want to confirm installation, click **Start>Programs**. If the installation is successful, you will see BEA JRockit 1.4.2_08 SDK on your Program menu. If you installed the JRE (that is, you

specified `<data-value name="INSTALL_PUBLIC_JRE" value="true" />` in the `silent.xml` file, you will also see BEA JRockit 1.4.2_08 JRE on your program menu.

Note: If you want to create an install log, add the option `-log=log.log` at the end of the command.

Uninstalling the SDK in the Silent Mode

To uninstall the SDK in the silent mode, from any directory, enter the command:

```
>C:\WINNT\Installer\BEA\jrockit-24.5.0-j2sdk1.4.2_<version>\uninstall.exe
-silent
```

Note: If you want to create an uninstall log, add the option `-log=c:\uninstall.log` at the end of the command.

Installing Linux Versions in the Silent Mode

Note: These procedures apply to supported Linux 32-bit and 64-bit platforms. See [BEA JRockit 1.4.2 SDK Platform Support](#) for a list of supported Linux platforms.

To install the SDK in the silent mode on Linux machines, enter at the command line (this procedure assumes that `silent.xml` is stored in `D:\Works`):

For **linux-ia32**:

```
>jrockit-24.5.0-j2sdk1.4.2_<version>-linux-ia32.bin -mode=silent -silent_xml="
D:\Works\silent.xml"
```

For **linux-ipf**:

```
>jrockit-24.5.0-j2sdk1.4.2_<version>-linux-ipf.bin -mode=silent -silent_xml="D
:\Works\silent.xml"
```

Note: You need to ensure the `.bin` file is executable. You can use `chmod +x <filename>` to set the executable.

You will receive a message advising that files are being extracted and no other confirmation. You can confirm installation by looking at your file system and finding the product directory you specified for BEA JRockit 1.4.2.

Note: If you want to create a log of your installation, add the option `-log=log.log` at the end of the command.

Uninstalling Linux Versions in the Silent Mode

You cannot uninstall Linux versions of BEA JRockit 1.4.2 in the silent mode. Instead, use the method described in [Uninstalling Linux Versions](#).

Using the Linux man Pages

The Linux version of BEA JRockit 1.4.2 SDK and BEA JRockit 1.4.2 JRE now ships with tools documentation on “man” (manual) pages. Most tools in `<installdir>/bin` has a man page. English man pages are located in `<installdir>/man1` and Japanese man pages are located in `<installdir>/ja/man1`.

If you have the BEA JRockit JDK as your default JDK, i.e. updated `PATH` as in the following example:

```
export PATH=/home/user/jrockit-24.5.0-j2sdk1.4.2_<version>/bin:$PATH
```

then you simply enter the command `man` followed by the tool name, for example:

```
man javac
```

Special Note About Root Access

If you choose to install the JRockit Java 2 Runtime Environment into a system-wide location such as `/usr/local`, you must first become the root in order to gain the necessary permissions. If you do not have root access, simply install the JRockit Java 2 Runtime Environment into your home directory or a subdirectory to which you have permission to write.

Installing the BEA JRockit 1.4.2 JRE

The BEA JRockit 1.4.2 JVM is a component of Java Runtime Environment (JRE) included in the BEA JRockit 1.4.2 SDK. In instances where you want to exploit the full power of the JVM without dealing with the overhead of the entire SDK, you can install just the JRE as described in this document and run it separately.

This section includes information on the following subjects:

- [Important Note on JRE Version Numbering in this Chapter](#)
- [Installing the JRE](#)
- [Uninstalling the JRE](#)
- [Console and Silent Mode Installation and Uninstallation](#)

Important Note on JRE Version Numbering in this Chapter

Installing BEA JRockit JRE describes how to install BEA JRockit JRE with 1.4.2_08 class libraries. After step 1 in [Installing the JRE](#), below, the JRE version will be referenced throughout this guide as 1.4.2_<version>; for example, instead of `jrockit-24.5.0-j2rel.4.2_08`, you will see `jrockit-24.5.0-j2rel.4.2_<version>`. As you use this guide, please assume that <version> refers to 08.

Installing the JRE

To install the JRE, do the following:

1. On your local drive, locate the JRE version executable file that matches your machine and operating system:

- jrockit-24.5.0-j2re1.4.2_08-win-ia32.exe for Windows 2000 and Windows 2003.
- jrockit-24.5.0-j2re1.4.2_08-win-ipf.exe for Windows 2003 Server EE
- jrockit-24.5.0-j2re1.4.2_08-linux-ia32.bin [for supported Linux 32-bit versions](#)
- jrockit-24.5.0-j2re1.4.2_08-linux-ipf.bin [for supported Linux 64-bit versions](#)

Note: If you install the JRE in Linux by using the .bin file, you need to ensure the file is executable. You can use `chmod +x <filename>` to set the executable.

2. In your file management system (for example, Windows Explorer) double-click the filename or icon.

The install process begins and the BEA installer window appears, followed shortly thereafter by the Welcome window.

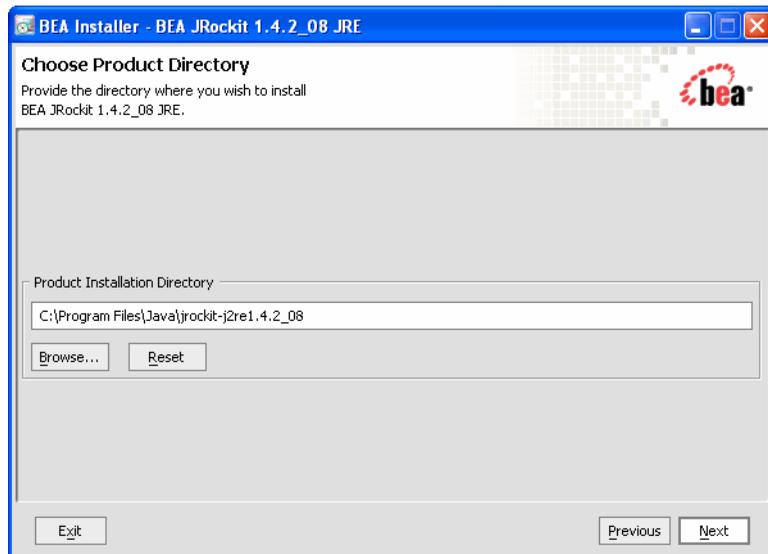
3. Click **Next**.

The BEA License Agreement window appears.

4. Select **Yes** and click **Next**.

The Choose Product Directory window appears.

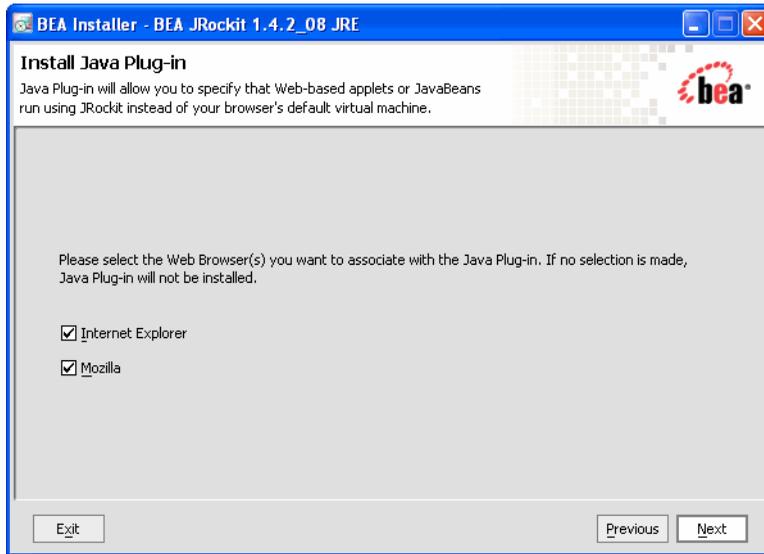
Figure 2-1 Product Directory Window



5. Do one of the following:
 - Select the default directory provided.
 - Type a new directory name into the Product Installation Directory field
 - Click Browse to open the Product Directory Selection window and select an existing directory.
6. Click **Next**. If you are installing JRockit on other platforms than for Windows 2000 and Windows 2003, please proceed to step 7.

If installing on Windows 2000 or Windows 2003, the Install Java Plug-in window appears (Figure 2-2). The Java Plug-in extends the functionality of a web browser. For more information on the Plug-in, please refer to “[Using the Java Plug-in.](#)”

Figure 2-2 Install Java Plugin Window



7. Select the browser(s) you want to associate with the Java Plug-in and click **Next**.

The installation process begins and the installer window appears, showing a progress meter in the lower right corner of the window, as shown in [Figure 2-3](#).

Figure 2-3 Installer Window with Progress Meter



When the installation is successfully completed, the Installation Completer window appears with that message.

8. Click **Done**.

The installer window closes and JRE installation process is complete.

Uninstalling the JRE

To uninstall the JRE, see [Uninstalling the SDK](#) for instructions on how to perform the uninstallation. Replace SDK specifics with JRE.

Console and Silent Mode Installation and Uninstallation

Like the BEA JRockit SDK, the BEA JRockit JRE can be installed and uninstalled in both console mode and silent mode. See [Installing and Uninstalling BEA JRockit SDK in Console Mode](#) and [Installing and Uninstalling BEA JRockit SDK in Silent Mode](#). The procedure for these functions is identical to that used to install and uninstall the JDK, except that you need to execute different installation files.

