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Installation Instructions

Printable Version

Linux download and installation instructions for the Java Runtime Environment (JRE)

This article applies to:

- **Platform(s):**
Red Hat Linux, SUSE Linux, JDS
- **Browser(s):**
Netscape 6.2x, Netscape 7, Mozilla 1.4+
- **JRE version(s):**
1.5.0, 6.0

JRE HELP

- > **Installation Instructions**
- > Configuration
- > Error Messages
- > Applet Application
- > Legal

JRE FAQ

- > General Questions
- > Mobile Java or Java ME

Follow these steps to download and install the JRE for Linux.

1. [Download](#)
2. [Install](#)
3. [Enable and Configure](#)
4. [Test Installation](#)

Linux system requirements

Platform	Version	Memory	Browsers	Diskspace
LINUX 32-bit				
Intel IA32	Red Hat 9.0	64mb	Mozilla 1.4+	58 MB
	Red Hat Enterprise Linux AS 3.0	64mb		
	Red Hat Enterprise Linux WS 2.1	64mb		
	Red Hat Enterprise Linux ES 2.1	64mb		
	Red Hat Enterprise Linux AS 2.1	64mb		
	SuSE 8.2	64mb		
	SLEC 8	64mb		
	SLES 8	64mb		
	TurboLinux 8.0	64mb		
	Sun Java Desktop System, Release 1	64mb		
	Sun Java Desktop System, Release 2	64mb		
AMD Opteron 32-bit	Red Hat Enterprise Linux AS 3.0			

	SLES 8			
LINUX 64-bit				
AMD Opteron 64-bit	Red Hat Enterprise Linux AS 3.0		Mozilla 1.4+	56 MB
	SLES 8			

Download

1. Go to <http://java.com>
2. Click on **Get Java Software** button
3. There are two types of installation packages. **Linux RPM package** or **Linux self extracting binary file**. Download the package that best suits your needs.

Note: *Linux RPM (Redhat Package Manager) uses RPM to install the JRE. In order to use this method, you need to have RPM available on your system. Otherwise use the other option.*



Linux

- Linux RPM (self-extracting file) filesize: 17.73 MB
- Linux (self-extracting file) filesize: 18.22 MB
- Linux x64 * filesize: 17.23 MB
- Linux x64 RPM * filesize: 16.82 MB

* Please use the 32-bit version for Java applet and Java Web Start support.

4. Click the appropriate Download button to download the package that best suits your needs. You can download the file to any of the directories on your system.
5. After download verify: **For Linux self extracting binary file**
 - o Name of the file is jre-1_6_0_02-linux-i586.bin
 - o Size is approximately 15.8 MB**For Linux RPM packages**
 - o Name of the file is jre-1_6_0_02-linux-i586-rpm.bin
 - o Size is approximately 15.26 MB

Install

- [Linux self extracting binary file](#)
- [Linux RPM package](#)

Note: *The instructions below are for installing JRE 1.6.0_02. If you're installing another version, make sure you change the version number appropriately when you type the commands at the terminal.*

To install the Linux (self-extracting) file

Follow these instructions:

1. At the terminal: Type:
su
2. Enter the root password.
3. Change to the directory in which you want to install. Type:
cd <directory path name>
For example, to install the software in the /usr/java/ directory, Type:
cd /usr/java/

Note about root access: To install the JRE in a system-wide location such as `/usr/local`, you must login as the root user to gain the necessary permissions. If you do not have root access, install the JRE in your home directory or a subdirectory for which you have write permissions.

- Change the permission of the file you downloaded to be executable. Type:
chmod a+x jre-6u2-linux-i586.bin
- Verify that you have permission to execute the file. Type:
ls -l



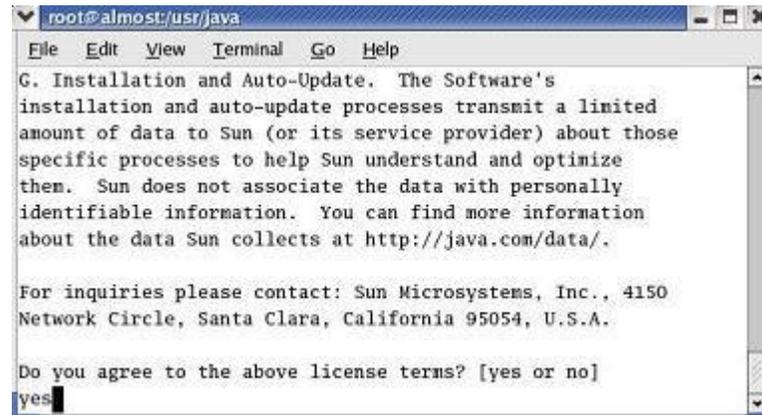
```

root@almost:usr/java
File Edit View Terminal Go Help
[root@almost java]# ls -l
total 18688
-rwx--x--x  1 root  root   19109129 Sep 14 09:58 jre-6u2-linux-i586.bin
[root@almost java]#

```

- Start the installation process. Type:
./jre-6u2-linux-i586.bin

This displays a binary license agreement. Read through the agreement. Press the spacebar to display the next page. At the end, enter **yes** to proceed with the installation.



```

root@almost:usr/java
File Edit View Terminal Go Help
G. Installation and Auto-Update. The Software's
installation and auto-update processes transmit a limited
amount of data to Sun (or its service provider) about those
specific processes to help Sun understand and optimize
them. Sun does not associate the data with personally
identifiable information. You can find more information
about the data Sun collects at http://java.com/data/.

For inquiries please contact: Sun Microsystems, Inc., 4150
Network Circle, Santa Clara, California 95054, U.S.A.

Do you agree to the above license terms? [yes or no]
yes

```

- The JRE is installed into its own directory. In this example, it is installed in the `/usr/java/jre1.6.0_02` directory. When the installation has completed, you will see the word **Done**.



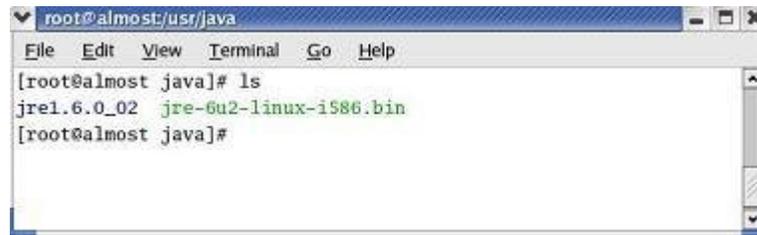
```

root@almost:usr/java
File Edit View Terminal Go Help
inflating: jre1.6.0_02/plugin/desktop/sun_java.desktop
creating: jre1.6.0_02/javaws/
linking: jre1.6.0_02/javaws/javaws -> ../bin/javaws
Creating jre1.6.0_02/lib/rt.jar
Creating jre1.6.0_02/lib/jsse.jar
Creating jre1.6.0_02/lib/charsets.jar
Creating jre1.6.0_02/lib/ext/localedata.jar
Creating jre1.6.0_02/lib/plugin.jar
Creating jre1.6.0_02/lib/javaws.jar
Creating jre1.6.0_02/lib/deploy.jar

Done.
[root@almost java]#

```

- The JRE is installed in `jre1.6.0_02` sub-directory under the current directory. In this case, the JRE is installed in the `/usr/java/jre1.6.0_02` directory. Verify that the `jre1.6.0_02` sub-directory is listed under the current directory. Type:
ls



```
root@almost:/usr/java
File Edit View Terminal Go Help
[root@almost java]# ls
jre1.6.0_02  jre-6u2-linux-i586.bin
[root@almost java]#
```

The installation is now complete. Skip to the [Enable and Configure](#) section.

To install the Linux RPM (self-extracting) file

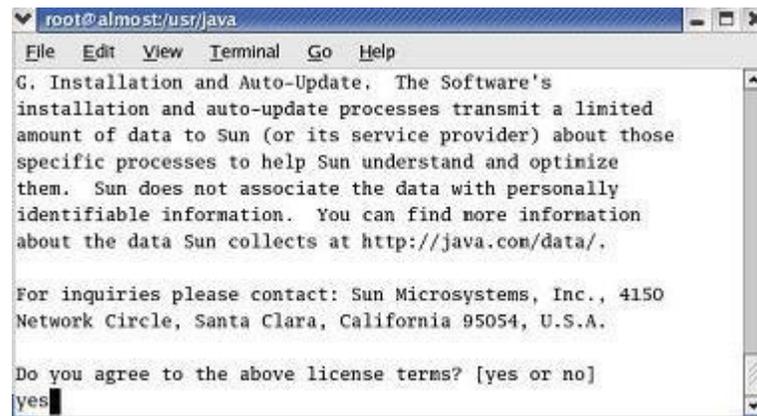
Follow these instructions:

1. At the terminal: Type:
su
2. Enter the root password.
3. Change to the directory in which you want to install. Type:
cd
For example, to install the software in the `/usr/java/` directory, Type:
cd /usr/java

***Note about root access:** To install the JRE in a system-wide location such as `/usr/local`, you must login as the root user to gain the necessary permissions. If you do not have root access, install the JRE in your home directory or a subdirectory for which you have write permissions.*

4. Change the permission of the file you downloaded to be executable. Type:
chmod a+x jre-6u2-linux-i586-rpm.bin
5. Start the installation process. Type:
./jre-6u2-linux-i586-rpm.bin

This displays a binary license agreement. Read through the agreement. Press the spacebar to display the next page. At the end, enter **yes** to proceed with the installation.



```
root@almost:/usr/java
File Edit View Terminal Go Help
G. Installation and Auto-Update. The Software's
installation and auto-update processes transmit a limited
amount of data to Sun (or its service provider) about those
specific processes to help Sun understand and optimize
them. Sun does not associate the data with personally
identifiable information. You can find more information
about the data Sun collects at http://java.com/data/.

For inquiries please contact: Sun Microsystems, Inc., 4150
Network Circle, Santa Clara, California 95054, U.S.A.

Do you agree to the above license terms? [yes or no]
yes
```

6. The installation file creates `jre-6u2-linux-i586.rpm` file in the current directory.

```

root@almost:/usr/java
File Edit View Terminal Go Help
Checksumming...
Extracting...
UnZipSFX 5.50 of 17 February 2002, by Info-ZIP (Zip-Bugs@lists.wk
u.edu).
  inflating: jre-6u2-linux-i586.rpm
Preparing...
##### [100%]
      package jre-1.6.0_02-fcs is already installed

Done.
[root@almost java]#

```

7. Run the RPM command at the terminal to install the packages. Type:
rpm -iv jre-6u2-linux-i586.rpm
8. The JRE is installed in jre1.6.0_02 sub-directory under the current directory. In this case, the JRE is installed in the **/usr/java/jre1.6.0_02** directory. Verify that the **jre1.6.0_02** sub-directory is listed under the current directory. Type:
ls

```

root@almost:/usr/java
File Edit View Terminal Go Help
[root@almost java]# ls
jre-6u2-linux-i586.rpm  jre-6u2-linux-i586-rpm.bin
[root@almost java]#

```

The installation is now complete. Go to the [Enable and Configure](#) section.

Enable and Configure

- [Mozilla 1.4 and later](#)
- [Mozilla 1.2, Netscape 6 and later](#)

Mozilla 1.4 and later

1. Go to the plugins sub-directory under the Mozilla installation directory
cd <Mozilla installation directory>/plugins
2. In the current directory, create a symbolic link to the JRE **ns7/libjavaplugin_oji.so** file Type:
ln -s <JRE installation directory>/plugin/i386/ns7/libjavaplugin_oji.so
Example:
 - If Mozilla is installed in this directory:
/usr/lib/mozilla-1.4/
 - and if the JRE is installed at this directory:
/usr/java/jre1.5.0
 - Then type at the terminal to go to the browser plug-in directory:
cd /usr/lib/mozilla-1.4/plugins
 - Enter the following command to create a symbolic link to the Java Plug-in for the Mozilla browser.
ln -s /usr/java/jre1.5.0/plugin/i386/ns7/libjavaplugin_oji.so .
3. Start Mozilla browser or restart it if it is already running. Note that if you have other Mozilla components (ie: Messenger, Composer, etc) running, you will need to restart them as well.
4. Go to **Edit > Preferences**. Under **Advanced** category > Select **Enable Java**

Mozilla 1.2, Netscape 6 and later

1. Go to the plugins sub-directory under the Netscape directory
cd <Mozilla1.2>/plugins
2. Create a symbolic link to the **ns7-gcc29/libjavaplugin_oji.so** file:
ln -s <JRE>/plugin/i386/ns7-gcc29/libjavaplugin_oji.so
Example:

- If Netscape is installed at this directory:
`/usr/lib/Mozilla1.2/`
 - And if the JRE is installed at this directory:
`/usr/java/jre1.5.0`
 - Then type at the terminal to go to the browser plug-in directory:
`cd /usr/lib/Mozilla1.2/plugins`
 - Enter the following command to create a symbolic link to the Java Plug-in for the Mozilla browser.
`ln -s /usr/java/jre1.5.0/plugin/i386/ns7-gcc29/libjavaplugin_oji.so .`
3. Start Mozilla browser or restart it if it is already running. Note that if you have other Mozilla components (ie: Messenger, Composer, etc) running, you will need to restart them as well.
 4. Go to **Edit > Preferences**. Under **Advanced** category > Select **Enable Java**

Test Installation

To test that the JRE is installed, enabled and working properly on your computer, run this test applet from our web site:

[Test your Java Runtime Environment](#)

NEED MORE HELP?

If you require further assistance, please make sure you check through our [Help](#) and [FAQ](#) sections thoroughly. We probably have a page that answers your question.

You may find information on the following topics in the Help section:

[Installation Instructions](#)

[Configuration](#)

[Error Messages](#)

[Applet Application](#)

This page meets my need.

disagree

agree

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