

**Oracle® JRockit Real Time**  
Installing Oracle JRockit Real Time  
3.1.0

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# Installing Oracle JRockit Real Time

This document describes how to install Oracle JRockit Real Time as a standalone application. It includes information on the following subjects:

- [Note on Oracle JRockit Real Time Installation](#)
- [Supported Configurations](#)
- [Notation Used in this Guide](#)
- [Installing and Uninstalling JRockit Real Time](#)
- [Installing and Uninstalling JRockit Real Time in Console Mode](#)
- [Installing and Uninstalling JRockit Real Time in Silent Mode](#)
- [Special Note About Installing on Linux or Solaris](#)

**Note:** JRockit Real Time can be used by any application and does not interact with or create an Oracle registry.

## Note on Oracle JRockit Real Time Installation

This document shows how to install JRockit Real Time, which includes the Oracle JRockit JDK, the Oracle JRockit JRE, and the Oracle JRockit JVM. The Oracle JRockit JVM is installed as a part of many Oracle products. Refer to the documentation for those products for installation instructions.

# Supported Configurations

For a complete list of supported configurations, please visit:

[http://edocs.bea.com/jrockit/jrdocs/suppPlat/supp\\_plat.html](http://edocs.bea.com/jrockit/jrdocs/suppPlat/supp_plat.html)

## Notation Used in this Guide

Throughout this document, JRockit Real Time versions are defined with the following notation:

`jrirt-<jrirt_version>-<java_version>`

For example:

`jrirt-3.1.0-1.6.0`

In this example, the product is JRockit Real Time 3.1.0 for Java SE 6.

## Installing and Uninstalling JRockit Real Time

This section explains how to install and uninstall a standalone version of JRockit Real Time in GUI mode for the following platforms:

- Microsoft Windows 32-bit x86 and 64-bit Xeon/AMD64.
- Red Hat Linux 32-bit x86 and 64-bit Xeon/AMD64.
- Sun Solaris on 64-bit SPARC.

**Note:** If you are installing on Linux and Solaris, please refer to [Default Location of System Preferences](#) for information on where to find the system preferences.

### Installing JRockit Real Time

In the following procedure you will run the self-installing executable (Windows) or the self-extracting binary (Solaris and Linux). The screen shots are taken from a Windows installation of JRockit Real Time. [Table 1](#) lists the installers.

**Table 1 JRockit Real Time Installers by Version and Platform**

On...	For Java SE version...	Use...
Windows 32-bit x86	1.4.2	jrrt-3.1.0-1.4.2-windows-ia32.exe
	5.0	jrrt-3.1.0-1.5.0-windows-ia32.exe
	6	jrrt-3.1.0-1.6.0-windows-ia32.exe
Windows 64-bit Xeon/AMD64	5.0	jrrt-3.1.0-1.5.0-windows-x64.exe
	6	jrrt-3.1.0-1.6.0-windows-x64.exe
Red Hat Linux 32-bit x86	1.4.2	jrrt-3.1.0-1.4.2-linux-ia32.bin
	5.0	jrrt-3.1.0-1.5.0-linux-ia32.bin
	6	jrrt-3.1.0-1.6.0-linux-ia32.bin
Red Hat Linux 64-bit Xeon/AMD64	5.0	jrrt-3.1.0-1.5.0-linux-x64.bin
	6	jrrt-3.1.0-1.6.0-linux-x64.bin
Sun Solaris on 64-bit Sparc	1.4.2	jrrt-3.1.0-1.4.2-solaris-sparcv9.bin
	5.0	jrrt-3.1.0-1.5.0-solaris-sparcv9.bin
	6	jrrt-3.1.0-1.6.0-solaris-sparcv9.bin

## To install JRockit Real Time

1. Make sure you have downloaded the appropriate version of JRockit Real Time for your operating system (see [Table 1](#)).
2. On your local drive, locate the executable file for the version of JRockit Real Time you want to install.

**Note:** If you install JRockit Real Time on Linux or Solaris please refer to [Ensure the Installer is Executable](#).

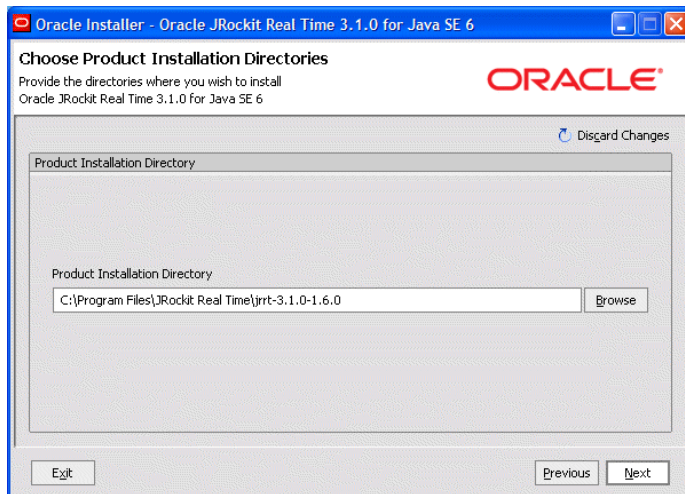
3. Run the installer.

The install process begins and the Oracle installer window appears, followed by the **Welcome** window.

4. Click **Next**.

The **Choose Product Installation Directories** window appears (see [Figure 1-2](#)).

**Figure 1-2 Choose Product Installation Directories Window**

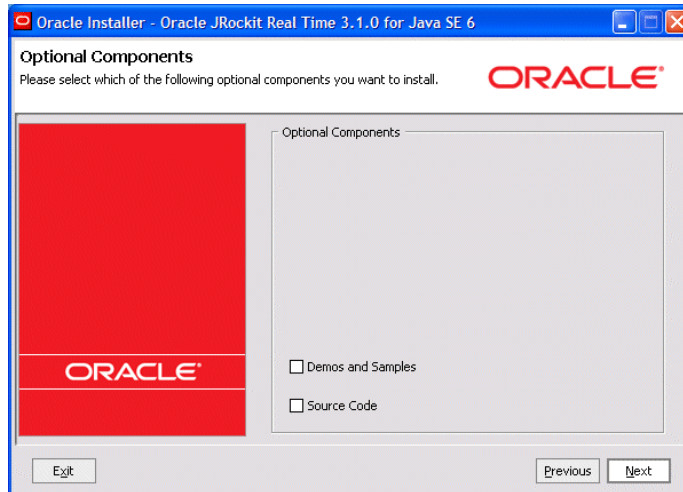


5. Click **Next** if you are satisfied with the suggested product installation directory.

**Note:** If you want a different location for the installation you can pick one by clicking **Browse** or type a new directory into the **Product Installation Directory** field. By clicking **Discard Changes**, you set the selection back to the default directory.

The **Optional Components** window appears (see [Figure 2](#)).



**Figure 2 Optional Components Window**

6. Select which, if any, optional components you want to install with JRockit Real Time. Selecting:

- **Demos and Samples** will install demo and sample files at:

`[INSTALL_DIR]\demo`

and

`[INSTALL_DIR]\sample`

**Note:** Sample files are not available in Oracle JRockit JDK 1.4.2.

- **Source Code** will install the file `src.zip`, containing the source code for the Java platform at:

`[INSTALL_DIR]\src.zip`

7. Click **Next** (the installation starts immediately after you click **Next**).

The **Oracle Installer** window appears and the installation process continues, as indicated on the progress meter in the lower right corner of the window (see [Figure 2-1](#)).

Figure 2-1 Oracle Installer Window with Progress Meter



When the installation is complete, the **Installation Complete** window appears.

8. Click **Done**.

JRockit Real Time is now installed.

## To Start JRockit Mission Control (Windows 32-bit x86)

If you have installed JRockit Real Time you can start [Oracle JRockit Mission Control 3.1.0](#) from the **Start** menu.

## Adding JRockit Real Time to Your Path

Once you have installed JRockit Real Time, you need to add it to your path.

**Use this command for Windows platforms:**

**Note:** This example assumes that you are using the Windows command prompt (DOS) or compatible command shell and have selected the default product installation directory.

```
set PATH=%ProgramFiles%\JRockit Real  
Time\jrvt-<jrvt_version>-<java_version>\bin;%PATH%
```

**Use this command for Linux and Solaris platforms:**

**Note:** This example assumes that you are using the UNIX bash shell or compatible command shell and have selected the default product installation directory.

```
export PATH=$HOME/jrrt-<jrrt_version>-<java_version>/bin:$PATH
```

## Uninstalling JRockit Real Time

This section describes how to uninstall the Windows, Linux, and Solaris versions of JRockit Real Time.

### Uninstalling Windows Versions

To uninstall JRockit Real Time, do the following:

1. Open the **Start** menu and select **All Programs**.
2. Select **Oracle JRockit Real Time [version]>Uninstall Oracle JRockit Real Time [version]**.

The **Oracle Uninstaller** confirmation message appears.

3. Click **OK**.

The **Oracle Uninstaller** appears and the uninstall process commences.

4. Click **OK**.

JRockit Real Time is removed from your computer.

### Uninstalling Windows Versions from the Command Line

To uninstall JRockit Real Time from the command line, run the following command from a console window:

```
%SystemRoot%\Installer\Oracle\jrrt-<jrrt_version>-<java_version>-<arch>\uninstall.exe
```

### Uninstalling Linux and Solaris Versions from the Command Line

To uninstall Linux and Solaris versions of JRockit Real Time, do the following:

1. Ensure you are one step below the appropriate JRockit Real Time product directory.
2. At the command line, enter:

```
rm -rf jrrt-<jrrt_version>-<java_version>
```

JRockit Real Time is removed from your computer.

# Installing and Uninstalling JRockit Real Time in Console Mode

This section describes how to install JRockit Real Time using console mode, rather than from a GUI.

## Installing JRockit Real Time in Console Mode

To install JRockit Real Time in console mode, do the following:

1. Make sure you have downloaded the appropriate version of JRockit Real Time for your operating system (see [Table 1](#)).
2. On your local drive, locate the executable file for the version of JRockit Real Time you want to install:

**Note:** If you install JRockit Real Time on Linux or Solaris please refer to [Ensure the Installer is Executable](#).

3. Open a command window or console on your computer.
4. Change to the directory from which you want to install JRockit Real Time.
5. At the command line, enter:

```
jrrt-<jrrt_version>-<java_version>-<platform>.<ext> -mode=console
```

where *<ext>* is the file name extension; that is, *exe* on Windows and *bin* on Linux and Solaris.

The system responds:

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

Once the extraction process is complete, the system will prompt you through the installation, replicating the procedures described in [Installing and Uninstalling JRockit Real Time](#).

**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 JRockit Real Time](#).

## Uninstalling JRockit Real Time in Console Mode

To uninstall Windows versions, use one of the methods described in [Uninstalling Windows Versions](#) and [Uninstalling Windows Versions from the Command Line](#).

To uninstall Linux and Solaris versions, use the method described in [Uninstalling Linux and Solaris Versions from the Command Line](#).

## Installing and Uninstalling JRockit Real Time 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 silent mode, please refer to “[What Is Silent-Mode Installation?](#)” in the Oracle 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 setup. [Listing 1](#) shows an example of a `silent.xml` file for JRockit Real Time 3.1.0 for Java SE 6.

#### Listing 1 Example of a silent.xml File

---

```
<?xml version="1.0" encoding="UTF-8" ?>
<domain-template-descriptor>

<!--
The values in this example silent.xml file corresponds to a default
installation of Oracle JRockit Real Time 3.1.0 for Java SE 6 on
Windows 32-bit x86.
-->

<input-fields>
<!--
    Installation directory
        The full pathname for the directory where you want to install your
        product.
        This option is available on all platforms.
-->
<data-value name="USER_INSTALL_DIR" value="c:\Program Files\JRockit Real
Time\jrvt-3.1.0-1.6.0" />
```

```

<!--
  Optional installation of Demos and Samples
  Use "true", or "yes", to install this optional component.
  Use "false", or "no", to skip this optional component. The default is
  "false".
  This option is available on all platforms.
-->
<data-value name="INSTALL_DEMOS_AND_SAMPLES" value="false" />

<!--
  Optional installation of Source Code
  Use "true", or "yes", to install this optional component.
  Use "false", or "no", to skip this optional component. The default is
  "false".
  This option is available on all platforms.
-->
<data-value name="INSTALL_SOURCE_CODE" value="false" />
</input-fields>
</domain-template-descriptor>

```

---

## Installing JRockit Real Time in Silent Mode

To install JRockit Real Time in silent mode, do the following (this procedure assumes that silent.xml is stored in the same directory as the JRockit Real Time installer):

1. Make sure you have downloaded the appropriate version of JRockit Real Time for your operating system (see [Table 1](#)).
2. On your local drive, locate the executable file for the version of JRockit Real Time you want to install:

**Note:** If you install JRockit Real Time on Linux or Solaris please refer to [Ensure the Installer is Executable](#).

3. Open a command window or console on your computer.
4. Change to the directory from which you want to install JRockit Real Time.
5. At the command line, enter:

```

jrirt-<jrirt_version>-<java_version>-<platform>.<ext> -mode=silent
-silent_xml="silent.xml"

```

where *<ext>* is the file name extension; that is, *exe* on Windows and *bin* on Linux and Solaris.

You will receive a message advising that files are being extracted and no other confirmation.

To confirm the successful installation on Windows, you can look for **Oracle JRockit Real Time [version]** in your Start menu.

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

## Uninstalling JRockit Real Time in Silent Mode

To uninstall Windows versions, use one of the methods described in [Uninstalling Windows Versions](#) and [Uninstalling Windows Versions from the Command Line](#).

To uninstall Linux and Solaris versions, use the method described in [Uninstalling Linux and Solaris Versions from the Command Line](#).

## Special Note About Installing on Linux or Solaris

If you are installing JRockit Real Time on either a Linux or Solaris machine, note the following information.

### Ensure the Installer is Executable

If you install JRockit Real Time on Linux or Solaris by using the `.bin` file, you need to ensure the file is executable. You can use `chmod +x <filename>` to make the file executable.

### Acquire Root Access for System Wide Installation

If you choose to install JRockit Real Time on Linux or Solaris into a system-wide location such as `/usr/local`, you must first become the root user to gain the necessary permissions. If you do not have root access, simply install JRockit Real Time into a directory where you have permission to write, for example, your home directory.

### Default Location of System Preferences

When installing on Linux and Solaris, the default location for system preferences will be:

```
[JAVA_HOME]/.systemPrefs
```

where `[JAVA_HOME]=[INSTALL_DIR]/jre`.

unless the user is root, in which case it will be `/etc/.java/.systemPrefs`.

# Integration with Oracle Universal Installer

Starting with JRockit Real Time 3.1.0, each product installation directory is also an Oracle home, allowing additional product registration with the Oracle Central Inventory. The Central Inventory contains information about all installed Oracle products on the same host and can be managed by running the Oracle Universal Installer.

**Note:** The examples assume that you have installed Oracle Universal Installer either directly or indirectly as part of another Oracle product. For more information on how to start the Oracle Universal Installer see:

[http://download.oracle.com/docs/cd/B28359\\_01/em.111/b31207/oui4\\_product\\_install.htm#i1005879](http://download.oracle.com/docs/cd/B28359_01/em.111/b31207/oui4_product_install.htm#i1005879)

The Oracle home name in the examples is supposed to be unique between all Oracle products installed on the same host and is obtained from the name of the default product installation directory by replacing dashes by underscores, removing dots in product version numbers, and attaching the name of the architecture.

## Attaching JRockit Real Time to the Central Inventory

Once you have installed JRockit Real Time, you can attach it to the Central Inventory by using the Oracle Universal Installer.

**Use this command for Windows platforms:**

**Note:** This example assumes that you are using the Windows command prompt (DOS) or compatible command shell and have selected the default product installation directory.

```
setup.exe -noconsole -attachHome \  
ORACLE_HOME="%ProgramFiles%\JRockit Real  
Time\jrirt-<jrirt_version>-<java_version>" \  
ORACLE_HOME_NAME="jrirt-<jrirt_version_compact>-<java_version_compact>-<arch>"
```

**Use this command for Linux and Solaris platforms:**

**Note:** This example assumes that you are using the UNIX bash shell or compatible command shell and have selected the default product installation directory.

```
./runInstaller -attachHome \  
ORACLE_HOME="$HOME/jrirt-<jrirt_version>-<java_version>" \  
ORACLE_HOME_NAME="jrirt-<jrirt_version_compact>-<java_version_compact>-<arch>"
```



## Detaching JRockit Real Time from the Central Inventory

Before you uninstall JRockit Real Time you should ensure that it is detached from the Central Inventory.

### Use this command for Windows platforms:

This example assumes that you are using the Windows command prompt (DOS) or compatible command shell and have selected the default product installation directory.

```
setup.exe -noconsole -detachHome \  
ORACLE_HOME="%ProgramFiles%\JRockit Real  
Time\jrvt-<jrvt_version>-<java_version>" \  
ORACLE_HOME_NAME="jrvt-<jrvt_version_compact>-<java_version_compact>-<arch>"
```

### Use this command for Linux and Solaris platforms:

This example assumes that you are using the UNIX bash shell or compatible command shell and have selected the default product installation directory.

```
./runInstaller -detachHome \  
ORACLE_HOME="$HOME/jrvt-<jrvt_version>-<java_version>" \  
ORACLE_HOME_NAME="jrvt-<jrvt_version_compact>-<java_version_compact>-<arch>"
```

