

**Oracle® JRockit**  
Installation and Upgrade Guide  
Release R28  
**E15065-05**

October 2011

This document contains installation instructions for Oracle JRockit JDK R28 with Oracle JRockit Mission Control 4.0, Oracle JRockit JDK R28, and Oracle JRockit JRE R28.

Oracle JRockit Installation and Upgrade Guide, Release R28

E15065-05

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# Preface

This document contains installation instructions for Oracle JRockit JDK with Oracle JRockit Mission Control, Oracle JRockit JDK, and Oracle JRockit JRE.

## About the Document

This document contains the following chapters:

- [Chapter 1, "Product Installation Background"](#), which contains important information about the installation process.
- [Chapter 2, "Graphical Mode Installation"](#), which describes how to install the product from a graphical user interface (GUI).
- [Chapter 3, "Console Mode Installation"](#), describes how to install the product from a console, rather than from a GUI.
- [Chapter 4, "Silent Mode Installation"](#), which describes how to set installation configurations only once and then use those configurations to duplicate the installation on many machines.
- [Chapter 5, "Post-Installation Instructions"](#), which provides information on starting the JRockit Mission Control Client, adding the product to your path, and integrating it with Oracle Universal Installer.
- [Appendix A, "Upgrading to Oracle JRockit R28"](#), which contains information to help you upgrade to this new, major release of Oracle JRockit.
- [Appendix B, "Product Installation Screens"](#), which contains sample images of the installation screens.

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## Conventions

The following text conventions are used in this document:

<b>Convention</b>	<b>Meaning</b>
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

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# Product Installation Background

This document describes how to install and uninstall the following products as standalone applications:

- Oracle JRockit JDK with Oracle JRockit Mission Control
- Oracle JRockit JDK
- Oracle JRockit JRE

The Oracle JRockit JDK optionally bundles with the Oracle JRockit Mission Control Client on all platforms and optionally bundles with the Oracle JRockit JRE on Windows platforms.

Before you install the products, you should understand some important information about the installation process, which is described in these sections:

- [Section 1.1, "Installation Modes"](#)
- [Section 1.2, "Supported Configurations"](#)
- [Section 1.3, "Notation Used in this Guide"](#)
- [Section 1.5, "Special Note About Installing on Linux or Solaris"](#)

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**Note:** The Oracle JRockit JDK include the Oracle JRockit JRE, and the Oracle JRockit JVM, all of which can also be installed as a part of many Oracle products. Refer to the documentation for those products for installation instructions.

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## 1.1 Installation Modes

You can install and uninstall the products on Windows, Linux, and Solaris platforms in the following modes:

- Graphical Mode (see [Chapter 2, "Graphical Mode Installation"](#))
- Console Mode (see [Chapter 3, "Console Mode Installation"](#))
- Silent Mode (see [Chapter 4, "Silent Mode Installation"](#))

## 1.2 Supported Configurations

Ensure that Oracle JRockit is deployed on a supported configuration.

For information about operating systems and hardware platforms that Oracle JRockit supports, see "System Requirements and Supported Platforms for Oracle JRockit R28" at:

[http://www.oracle.com/technology/software/products/ias/files/fusion\\_certification.html](http://www.oracle.com/technology/software/products/ias/files/fusion_certification.html)

## 1.3 Notation Used in this Guide

Throughout this installation guide several different placeholder variables are used to simplify the descriptions in the text. All variables used in the text are documented here with descriptions and example values.

### 1.3.1 Platform-Specific Variables

Table 1–1 lists the platform-specific variables.

**Table 1–1 Platform Specific Variables**

Variable	Description
<i>arch</i>	The name of the installer platform architecture. <i>arch</i> has the following possible values: <i>ia32</i> for 32-bit x86; <i>x64</i> for 64-bit Xeon/AMD64; and <i>sparcv9</i> for 64-bit SPARC.
<i>os</i>	The name of the installer platform operating system. <i>os</i> has the following possible values: <i>windows</i> for Windows platforms, <i>linux</i> for Linux platforms, and <i>solaris</i> for Solaris platforms.
<i>platform</i>	The name of the installer platform, formatted as <i>os-arch</i> . <i>platform</i> has the following possible values: <i>windows-ia32</i> for Windows 32-bit x86, <i>windows-x64</i> for Windows 64-bit Xeon/AMD64, <i>linux-ia32</i> for Linux 32-bit x86, <i>linux-x64</i> for Linux 64-bit Xeon/AMD64, and <i>solaris-sparcv9</i> for Solaris 64-bit SPARC.
<i>ext</i>	The file extension on the installation platform. <i>ext</i> has the following possible values; <i>exe</i> for Windows platforms, and <i>bin</i> for Linux and Solaris platforms.

### 1.3.2 Product Name and Version Variables

Table 1–2 lists the product name and version-specific variables.

**Table 1–2 Product Name and Version Variables**

Variable	Description
<i>product_name</i>	The product name in short abbreviated form. <i>product_name</i> has the following possible values; <i>jrockit-jdk</i> for Oracle JRockit JDK, and <i>jrockit-jre</i> for Oracle JRockit JRE.
<i>java_version</i>	The detailed Java developer version number, consisting of the major, minor, and micro version numbers separated by dots, and the optional update version number separated by underscore; for example <i>1.6.0_20</i> .
<i>jrockit_version</i>	The detailed JRockit developer version number, consisting of a leading letter R and the major, minor and micro version numbers separated by dots; for example <i>R28.2.0</i> .
<i>jrmc_version</i>	The detailed JRockit Mission Control Client developer version number, consisting of the major, minor and micro version numbers separated by dots; for example <i>4.1.0</i> .



**Table 1–2 (Cont.) Product Name and Version Variables**

Variable	Description
<i>product_name_version</i>	The product name in short abbreviated form followed by the detailed developer version numbers for Java, JRockit, and optional JRockit Mission Control Client separated by dashes, formatted as <i>java_version-jrockit_version-jrmc_version</i> , or <i>java_version-jrockit-version</i> ; for example <code>jrockit-jdk1.6.0_29-R28.2.0-4.1.0</code> , or <code>jrockit-jre1.6.0_29-R28.2.0</code> .

### 1.3.3 Product Installer Variables

*product\_installer* denotes the name of the product installer, formatted as *product\_name\_version-platform.ext*; for example `jrockit-jdk1.6.0_29-R28.2.0-4.1.0-windows-ia32.exe` for Oracle JRockit JDK R28.2 for Java SE 6 with Oracle JRockit Mission Control 4.1.0 on Windows 32-bit x86. See [Table 1–5](#) for a list of all Oracle JRockit installers by version and platform.

### 1.3.4 Product Installation and Uninstallation Directory Variables

[Table 1–3](#) lists the product installer variables.

**Table 1–3 Product Installation and Uninstallation Directory Variables**

Variable	Description
<i>product_install_dir</i>	The full path of the product installation directory, where the product and platform specific default value is intended unless it has been changed by the user during installation. The default top installation directory name is identical across products and platforms. The naming convention is <i>product_name_version</i> , while the default product installation location is platform specific: <code>%ProgramFiles%\Java</code> on Windows platforms and <code>\$HOME</code> on Linux and Solaris platforms; for example <code>C:\Program Files\Java\jrockit-jdk1.6.0_29-R28.2.0-4.1.0</code> .
<i>product_uninstall_dir</i>	The full path of the product uninstallation directory, available on Windows platforms. The top uninstallation directory naming convention is <i>product_name_version-arch</i> , while the product uninstallation location is <code>%SystemRoot%\Installer\Oracle</code> ; for example <code>C:\WINDOWS\Installer\Oracle\jrockit-jdk1.6.0_29-R28.2.0-4.1.0-ia32</code> for Oracle JRockit JDK for Java SE 6 with Oracle JRockit Mission Control 4.1.0 on Windows 32-bit x86.

### 1.3.5 Oracle Universal Installer Central Inventory Variables

The *product\_home\_name* variable denotes the name used when registering the installation in the Central Inventory by using Oracle Universal Installer, where the name is expected to be unique between all Oracle products installed on the same host and can for example be obtained from the name of the default top installation directory by replacing dashes with underscores, removing dots in version numbers, and attaching the name of the architecture; for example `jrockit_jdk160_29_R2820_410_ia32` for Oracle JRockit JDK for Java SE 6 with Oracle JRockit Mission Control 4.1.0 on Windows 32-bit x86.

### 1.3.6 Windows Start Menu Variables

Table 1–4 lists the Windows Start menu variables.

**Table 1–4 Start Menu Variables**

Variable	Description
<i>public_product_name</i>	The public product name; for example Oracle JRockit JDK, or Oracle JRockit JRE.
<i>public_product_name_jrmc</i>	The public Oracle JRockit Mission Control Client name when bundled with the Oracle JRockit JDK; for example JRMC.
<i>public_jrmc_name</i>	The public Oracle JRockit Mission Control Client name; for example Oracle JRockit Mission Control.
<i>public_jrockit_version</i>	The public JRockit version number, identical to the detailed JRockit developer version number, unless the micro version number is identical to zero in which case it is omitted; for example R28.2.
<i>public_java_version</i>	The public Java platform name and version; for example Java SE 5.0, or Java SE 6.
<i>public_jrmc_version</i>	The public JRockit Mission Control Client version number, identical to the detailed JRockit Mission Control Client developer version number, unless the micro version number is identical to zero, in which case it is omitted; for example 4.0.
<i>public_arch_bits</i>	The word size in bits of the installer platform architecture enclosed in parentheses; for example (32-bit) for Windows 32-bit x86, and (64-bit) for Windows 64-bit Xeon/AMD64.
<i>public_product_name_version</i>	The public product name and version listed in the Start menu on Windows platforms after installation. The format of the menu entry when the Oracle JRockit Mission Control Client is bundled with the product is <i>public_product_name public_jrockit_version</i> for <i>public_java_version</i> with <i>public_product_name_jrmc public_jrmc_version public_arch_bits</i> , otherwise the format is <i>public_product_name public_jrockit_version</i> for <i>public_java_version public_arch_bits</i> ; for example Oracle JRockit JDK R28.2 for Java SE 6 with JRMC 4.1.0 (32-bit), or Oracle JRockit JRE R28.2 for Java SE 6 (32-bit).
<i>public_jrmc_name_version</i>	The public Oracle JRockit Mission Control Client name and version when listed in the Start menu on Windows platforms after installation of a product in which it is bundled. The format of the entry is <i>public_jrmc_name public_jrmc_version</i> ; for example Oracle JRockit Mission Control 4.1.0.

## 1.4 Product Installers

Table 1–5 lists the JRockit installers. Installers whose filename starts with *jrockit-jdk* install the Oracle JRockit JDK, while the optional bundling of the Oracle JRockit Mission Control Client is denoted by inclusion of *-jrmc\_version*.

**Table 1–5 JRockit Installers by Platform**

Platform...	Use...
Windows 32-bit x86	<i>product_name_version-windows-ia32.exe</i>
Windows 64-bit Xeon/AMD64	<i>product_name_version-windows-x64.exe</i>
Linux 32-bit x86	<i>product_name_version-linux-ia32.bin</i>

**Table 1–5 (Cont.) JRockit Installers by Platform**

Platform...	Use...
Linux 64-bit Xeon/AMD64	<i>product_name_version</i> -linux-x64.bin
Solaris 64-bit SPARC	<i>product_name_version</i> -solaris-sparcv9.bin

## 1.5 Special Note About Installing on Linux or Solaris

If you are installing the product on either a Linux or Solaris machine, please note the information in this section.

### 1.5.1 Ensure the Installer is Executable

If you install the product 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.

### 1.5.2 Acquire Root Access for System Wide Installation

If you choose to install the product 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 the product into a directory where you have permission to write, for example, your home directory.

### 1.5.3 Default Location of System Preferences

When installing the product on Linux and Solaris, the default location for system preferences is `product_install_dir/jre/.systemPrefs`, unless the user is root, in which case it will be `/etc/.java/.systemPrefs`.



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## Graphical Mode Installation

This chapter describes how to install the product from a graphical user interface (GUI). It contains information on these subjects:

- [Section 2.1, "Installing the Product"](#)
- [Section 2.2, "Uninstalling the Product"](#)

### 2.1 Installing the Product

Before you begin the installation process, ensure you have downloaded the appropriate version of the product for your operating system (see [Table 1-5](#)).

1. On your local drive, locate the installer for the version of the product you want to install.

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**Note:** If you install the product on Linux or Solaris, see [Section 1.5.1, "Ensure the Installer is Executable"](#) for important information.

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2. Run the installer.

The installation process begins and the Oracle JRockit Installer screen appears, followed by the Welcome screen (see [Figure B-1](#)).

3. Click **Next**.

The Choose Product Installation Directories screen appears (see [Figure B-2](#)).

4. Click **Next** if you are satisfied with the default 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 screen appears (see [Figure B-3](#)).

5. Select which, if any, optional components you want to install with the product. Selecting:

- **Demos and Samples** will install demo and sample files in the following directories:

*product\_install\_dir\demo*

`product_install_dir\sample`

`product_install_dir\missioncontrol\samples`

- **Source Code** will install the source code files for the Java platform in a compressed file at:

`product_install_dir\src.zip`

**6. Click Next.**

If you are installing Oracle JRockit JDK on Windows, the optional Install Public JRE screen appears (see [Figure B-4](#)). Otherwise, go to step 9.

- 7.** If you want the Oracle JRockit JRE installed as the public JRE on your computer, select **Yes**; otherwise, select **No** (if you select **No**, go to step 9).

**8. Click Next.**

If you selected **Yes** to the Install Public JRE prompt, the Choose Product Installation Directories screen reappears, this time showing the default installation directory for the Public JRE (see [Figure B-5](#)).

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

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

The Oracle JRockit Installer screen appears and the installation process continues, as indicated on the progress meter in the lower right corner of the screen (see [Figure B-6](#)).

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

- 10. Click Done.**

The product is now installed, as confirmed by the Installation Complete screen (see [Figure B-7](#)).

## 2.2 Uninstalling the Product

This section describes how to uninstall the product.

### 2.2.1 Uninstalling the Windows Version

To uninstall a Windows version of the product, do the following:

1. Click **Start** then **All Programs**.
2. Select `public_product_name_version` then **Uninstall** `public_product_name_version`; for example, **Oracle JRockit JDK R28.2 for Java SE 6 with JPMC 4.1.0 (32-bit)** then **Uninstall Oracle JRockit JDK R28.2 for Java SE 6 with JPMC 4.1.0 (32-bit)**.

The Oracle JRockit Uninstaller confirmation message appears.

3. Click **OK**.

The Oracle JRockit Uninstaller appears and the uninstall process commences.

4. Click **OK**.

The product is removed from your computer.

## **2.2.2 Uninstalling Linux and Solaris Versions**

To uninstall Linux and Solaris versions of the product, see [Section 3.2.2, "Uninstalling Linux and Solaris Versions from the Command Line"](#).





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## Console Mode Installation

This section describes how to install the product from a console, rather than from a GUI. It contains these sections:

- [Section 3.1, "Installing the Product in Console Mode"](#)
- [Section 3.2, "Uninstalling the Product in Console Mode"](#)

### 3.1 Installing the Product in Console Mode

Before you begin the installation process, ensure you have downloaded the appropriate version of the product for your operating system (see [Table 1-5](#)).

1. On your local drive, locate the installer for the version of the product you want to install.

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**Note:** If you install the product on Linux or Solaris, see [Section 1.5.1, "Ensure the Installer is Executable"](#) for important information.

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2. Open a command window or console on your computer.
3. Change to the directory from which you want to install the product.
4. At the command line, type:

```
product_installer -mode=console
```

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 [Chapter 2, "Graphical Mode Installation"](#).

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**Note:** If you don't specify `-mode=console` at the command line, the installer will revert to graphical mode, as described in [Chapter 2, "Graphical Mode Installation"](#)

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### 3.2 Uninstalling the Product in Console Mode

This section describes how to uninstall Windows, Linux, and Solaris versions of the product in console mode.

### 3.2.1 Uninstalling Windows Versions from the Command Line

To uninstall the product in console mode, run the following command from a console window:

```
product_uninstall_dir\uninstall.exe
```

You will receive a message asking for confirmation before the product is uninstalled.

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

To uninstall Linux and Solaris versions of the product in console mode, do the following:

1. Ensure you are located outside the product installation directory.
2. At the command line, type:

```
rm -rf product_install_dir
```

The product is removed from your computer.

---

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## Silent Mode Installation

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 [Section 4.1, "The silent.xml File"](#)). The installation program does not display any configuration options during the installation process. For more information on silent mode, see "What Is Silent-Mode Installation?" in the *Installation Guide for Oracle WebLogic Server* at:

[http://download.oracle.com/docs/cd/E15523\\_01/doc.1111/e14142/silent.htm#i1084477](http://download.oracle.com/docs/cd/E15523_01/doc.1111/e14142/silent.htm#i1084477)

This chapter contains information on these subjects:

- [Section 4.1, "The silent.xml File"](#)
- [Section 4.2, "Installing the Product in Silent Mode"](#)
- [Section 4.3, "Uninstalling the Product in Silent Mode"](#)

### 4.1 The silent.xml File

For a silent mode installation to be successful, you must create the file `silent.xml` and store it on your computer. This file contains the values you want included in your setup; for example, whether or not you want the public JRE installed. [Example 4-1](#) shows an example of a `silent.xml` file for Oracle JRockit JDK R28.2 for Java SE 6 with Oracle JRockit Mission Control 4.1.0.

#### Example 4-1 Sample 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 JDK R28.2 for Java SE 6 with Oracle JRockit Mission Control 4.1.0
    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\Java\jrockit-jdk1.6.0_29-R28.2.0-4.1.0"
/>
<!--
  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" />
<!--
  Optional installation of Public JRE
  Use "true", or "yes", to install this optional component.
  Use "false", or "no", to skip this optional component. The default is "true".
  This option is available for Oracle JRockit JDK installers on Windows

-->
<data-value name="INSTALL_PUBLIC_JRE" value="true" />
<!--
  Optional override of default installation directory for Public JRE
  This option is available for Oracle JRockit JDK installers on Windows

-->
<data-value name="PUBLIC_JRE_INSTALL_DIR" value="c:\Program Files\Java\jrockit-jre1.6.0_29-R28.2.0"
/>
</input-fields>
</domain-template-descriptor>
```

## 4.2 Installing the Product in Silent Mode

Before you begin the installation process, ensure you have downloaded the appropriate version of the product for your operating system (see Table 1-5):

1. On your local drive, locate the installer for the version of the product you want to install:

---

---

**Note:** If you install the product on Linux or Solaris, see [Section 1.5.1, "Ensure the Installer is Executable"](#) for important information.

---

---

2. Open a command window or console on your computer.
3. Change to the directory from which you want to install the product.

---

---

**Note:** This procedure assumes that `silent.xml` is stored in the same directory as the product installer.

---

---

4. At the command line, type:

```
product_installer -mode=silent -silent_xml="silent.xml"
```

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

---

---

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

---

---

5. If you want to confirm installation on Windows, click **Start** then **All Programs**. If the installation is successful, you will see *public\_product\_name\_version*; for example, **Oracle JRockit JDK R28.2 for Java SE 6 with JPMC 4.1.0 (32-bit)**.

## 4.3 Uninstalling the Product in Silent Mode

To uninstall Windows versions, use one of the methods described in [Section 2.2.1, "Uninstalling the Windows Version"](#) and [Section 3.2.1, "Uninstalling Windows Versions from the Command Line"](#).

To uninstall Linux and Solaris versions, use the method described in [Section 3.2.2, "Uninstalling Linux and Solaris Versions from the Command Line"](#).



---

---

## Post-Installation Instructions

Once you have installed the product, you can start using it immediately. Additionally, you can add it to your path to make execution easier.

This chapter contains information on these subjects:

- [Section 5.1, "Starting the JRockit Mission Control Client"](#)
- [Section 5.2, "Opening JRockit Flight Recorder Files"](#)
- [Section 5.3, "Adding the Product to Your Path"](#)
- [Section 5.4, "Integrating the Product with Oracle Universal Installer"](#)

### 5.1 Starting the JRockit Mission Control Client

The following procedures show how to start the JRockit Mission Control Client from the Start menu on Windows and from the command line.

---

---

**Note:** JRockit Mission Control Client is only available if you have installed the product Oracle JRockit JDK with Oracle JRockit Mission Control.

---

---

#### 5.1.1 Starting the JRockit Mission Control Client From the Start Menu

You can start the JRockit Mission Control Client from the Start menu on Windows by doing the following:

1. Click **Start** then **All Programs**.
2. Select *public\_product\_name\_version* then *public\_jrmc\_name\_version*; for example, **Oracle JRockit JDK R28.2 for Java SE 6 with JRMC 4.1.0 (32-bit)** then **Oracle JRockit Mission Control 4.1.0**.

#### 5.1.2 Starting the JRockit Mission Control Client From the Command Line

You can start the JRockit Mission Control Client from the command line on both Windows and Linux.

**Use this command for Windows platforms:**

---

---

**Note:** This example assume that you are using the Windows Command Prompt (DOS) or compatible command shell.

---

---

```
product_install_dir\bin\jrnc.exe
```

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

---

---

**Note:** This example assume that you are using the UNIX bash shell or compatible command shell.

---

---

```
product_install_dir/bin/jrnc
```

## 5.2 Opening JRockit Flight Recorder Files

Starting with Oracle JRockit Mission Control 4.1, the JRockit Flight Recorder files (.jfr files) are opened by default in the JRockit Mission Control client for Windows.

You can open the JRockit Flight Recorder files on other platforms by running the following command:

```
product_install_dir/bin/jrnc -open recording.jfr
```

## 5.3 Adding the Product to Your Path

Once you have installed the product, you can add it to your path to make execution easier.

**Use this command for Windows platforms:**

---

---

**Note:** This example assume that you are using the Windows Command Prompt (DOS) or compatible command shell,

---

---

```
set PATH=product_install_dir\bin;%PATH%
```

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

---

---

**Note:** This example assume that you are using the UNIX bash shell or compatible command shell.

---

---

```
set PATH=product_install_dir/bin:$PATH
```

## 5.4 Integrating the Product with Oracle Universal Installer

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 Oracle home name in the examples is expected 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 with underscores, removing dots in product version numbers, and attaching the name of the architecture.

---

---



The following 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)

### 5.4.1 Attaching the Product to the Central Inventory

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

- Use this command for Windows platforms:

---



---

**Note:** This example assumes you are using the Windows command prompt (DOS) or compatible command shell.

---



---

```
setup.exe -noconsole -attachHome
ORACLE_HOME="product_install_dir"
ORACLE_HOME_NAME="product_home_name"
```

- Use this command for Linux and Solaris platforms:

---



---

**Note:** This example assumes that you are using the UNIX bash shell or compatible command shell.

---



---

```
./runInstaller -attachHome
ORACLE_HOME="product_install_dir"
ORACLE_HOME_NAME="product_home_name"
```

### 5.4.2 Detaching the Product from the Central Inventory

Before you uninstall the product you should ensure that it is detached from the Central Inventory.

- Use this command for Windows platforms:

---



---

**Note:** This example assumes you are using the Windows command prompt (DOS) or compatible command shell.

---



---

```
setup.exe -noconsole -detachHome
ORACLE_HOME="product_install_dir"
ORACLE_HOME_NAME="product_home_name"
```

- Use this command for Linux and Solaris platforms:

---



---

**Note:** This example assumes that you are using the UNIX bash shell or compatible command shell.

---



---

```
./runInstaller -detachHome
ORACLE_HOME="product_install_dir"
ORACLE_HOME_NAME="product_home_name"
```



---

---

## Upgrading to Oracle JRockit R28

This document contains information to help you upgrade to the Oracle JRockit R28, which is a new, major release of Oracle JRockit.

- For information about the new features and changes in R28 when compared with R27, see the *Oracle JRockit Release Notes*.
- If you are upgrading from a pre-R27 release, then you might want to read the release notes pertaining to the previous releases to understand the changes in each release:
  - Oracle JRockit R27  
[http://download.oracle.com/docs/cd/E13150\\_01/jrockit\\_jvm/jrockit/releases/R27/relnotes/r27\\_notes.html](http://download.oracle.com/docs/cd/E13150_01/jrockit_jvm/jrockit/releases/R27/relnotes/r27_notes.html)
  - Oracle JRockit R26  
[http://download.oracle.com/docs/cd/E13150\\_01/jrockit\\_jvm/jrockit/releases/5026x/relnotes/relnotes.html](http://download.oracle.com/docs/cd/E13150_01/jrockit_jvm/jrockit/releases/5026x/relnotes/relnotes.html)
  - Oracle JRockit 5.0 R25  
[http://download.oracle.com/docs/cd/E13188\\_01/jrockit/docs50/relnotes/index.html](http://download.oracle.com/docs/cd/E13188_01/jrockit/docs50/relnotes/index.html)
  - Oracle JRockit 1.4.2 R24  
[http://download.oracle.com/docs/cd/E13188\\_01/jrockit/docs142/relnotes/index.html](http://download.oracle.com/docs/cd/E13188_01/jrockit/docs142/relnotes/index.html)
  - Oracle JRockit 1.4.1 8.1 R23  
[http://download.oracle.com/docs/cd/E13188\\_01/jrockit/docs81/relnotes/index.html](http://download.oracle.com/docs/cd/E13188_01/jrockit/docs81/relnotes/index.html)
  - Oracle JRockit 1.3.1 7.0 R23  
[http://download.oracle.com/docs/cd/E13188\\_01/jrockit/docs70/relnotes/index.html](http://download.oracle.com/docs/cd/E13188_01/jrockit/docs70/relnotes/index.html)

This document contains the following topics:

- [Supported Configurations](#)
- [Java Version Dependencies](#)
- [Upgrade-Related Tasks](#)

## A.1 Supported Configurations

Ensure that Oracle JRockit is deployed on a supported configuration.

For information about operating systems and hardware platforms that Oracle JRockit supports, see "System Requirements and Supported Platforms for Oracle JRockit R28" at:

[http://www.oracle.com/technology/software/products/ias/files/fusion\\_certification.html](http://www.oracle.com/technology/software/products/ias/files/fusion_certification.html).

## A.2 Java Version Dependencies

Oracle JRockit R28 supports the following Java versions. Ensure that your application complies with the Java specification corresponding to the Oracle JRockit release that you use.

Oracle JRockit JDK Release	Supported Java Version	Java API Specification
Oracle JRockit 5.0 R28	J2SE 5.0	<a href="http://java.sun.com/j2se/1.5.0/docs/api">http://java.sun.com/j2se/1.5.0/docs/api</a>
Oracle JRockit 6 R28	Java SE 6	<a href="http://java.sun.com/javase/6/docs/api">http://java.sun.com/javase/6/docs/api</a>

For information about the Java version updates supported by Oracle JRockit, see the *Oracle JRockit Release Notes*.

**Note:** Oracle JRockit R28 does not support J2SE 1.4.2 and earlier Java versions. Before upgrading to R28 from any of the following releases, ensure that the application is compatible with either J2SE 5.0 or Java SE 6.

- Oracle JRockit 1.4.2 R27
- Oracle JRockit 1.4.2 R26
- Oracle JRockit 1.4.2 R24
- Oracle JRockit 1.4.1 8.1 R23
- Oracle JRockit 1.3.1 7.0 R23

## A.3 Upgrade-Related Tasks

This section describes tasks that you must perform when upgrading to Oracle JRockit R28.

- [Verify the Release Number After Installation](#)
- [Ensure Compatibility of JVM Command-Line Options](#)
- [Test the Application in a Staging Environment](#)

### A.3.1 Verify the Release Number After Installation

After installing Oracle JRockit, verify the release number by using the `java -version` command.

The Oracle JRockit release number consists of two elements:

- The detailed JRockit developer version number (for example, R28.2.0).
- The detailed Java developer version number (for example, 1.6.0\_29).

### A.3.2 Ensure Compatibility of JVM Command-Line Options

Consider using as few JVM command-line options as possible. For the command-line options that you decide to use, be sure that you understand how they work; see the *Oracle JRockit Command-Line Reference*.

Oracle JRockit R28 includes several new `-XX` command-line options (see "Changes in Command-Line Options"), some of which are equivalents for deprecated options (see "Command-Line Options Deprecated and Removed in Oracle JRockit R28.0").

If your application start-up command contains any of the deprecated options, modify the startup command to use equivalent other options.

### A.3.3 Test the Application in a Staging Environment

Before upgrading the production environment, test the application in a controlled staging environment. The staging environment should be as similar as possible to the required production environment. This includes hardware, software, usage patterns, and load.

Applications are sometimes sensitive to timing. An Oracle JRockit upgrade can sometimes expose errors in your application; for example, dependencies on unspecified behavior or APIs. Timing differences introduced when upgrading might, for instance, expose erroneous synchronization.



# B

---

---

## Product Installation Screens

This appendix contains screenshots and descriptions for all the installation screens shown when installing the product. The examples are taken from the installation of Oracle JRockit JDK R28.2 for Java SE 6 with Oracle JRockit Mission Control 4.1.0 on Windows 32-bit x86.

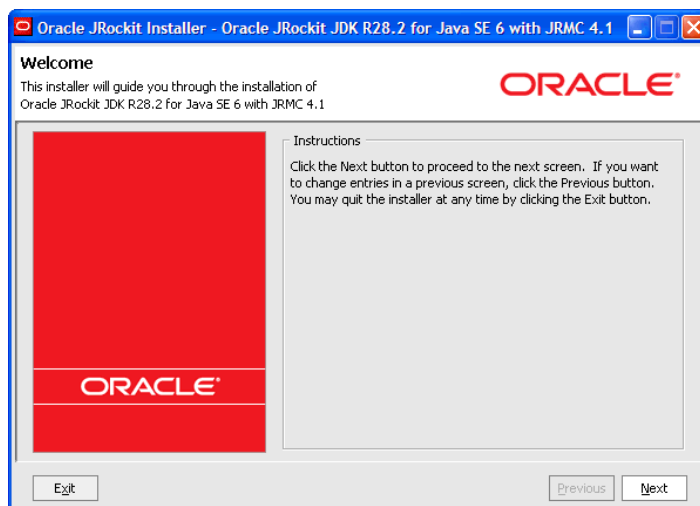
This appendix contains these sections:

- [Section B.1, "Welcome"](#)
- [Section B.2, "Choose Product Installation Directories"](#)
- [Section B.3, "Optional Components"](#)
- [Section B.4, "Install Public JRE"](#)
- [Section B.5, "Choose Product Installation Directories \(for Public JRE Installation\)"](#)
- [Section B.6, "Installation Progress"](#)
- [Section B.7, "Installation Complete"](#)

### B.1 Welcome

Figure B-1 shows the installation Welcome screen.

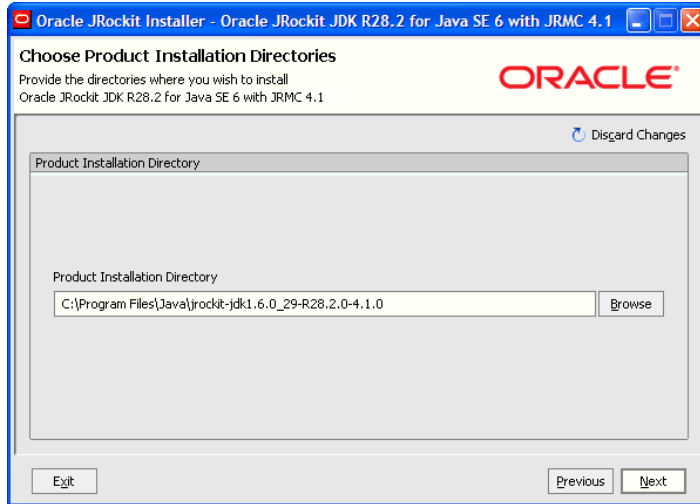
**Figure B-1** Welcome Screen



## B.2 Choose Product Installation Directories

Figure B–2 shows the Choose Product Installation Directories screen. On this screen, you specify the product installation directory.

**Figure B–2** Choose Product installation Directories Screen

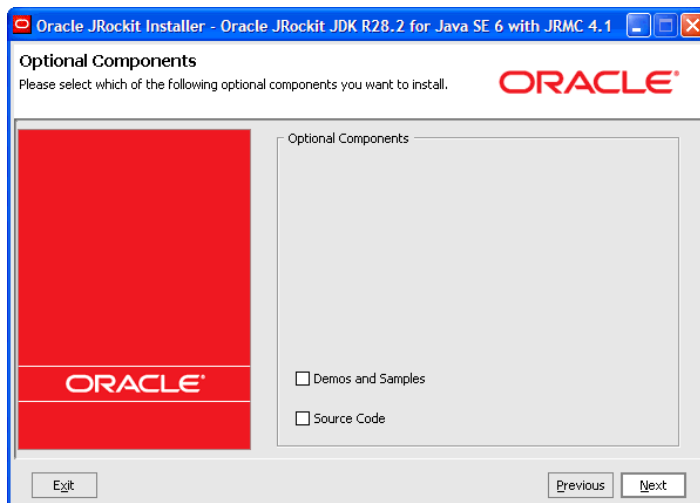


For more information, see [Section 1.4, "Product Installers"](#).

## B.3 Optional Components

Figure B–3 shows the Optional Components screen. Use this screen to install demos, samples, and source code along with the product you are installing.

**Figure B–3** Optional Components Screen



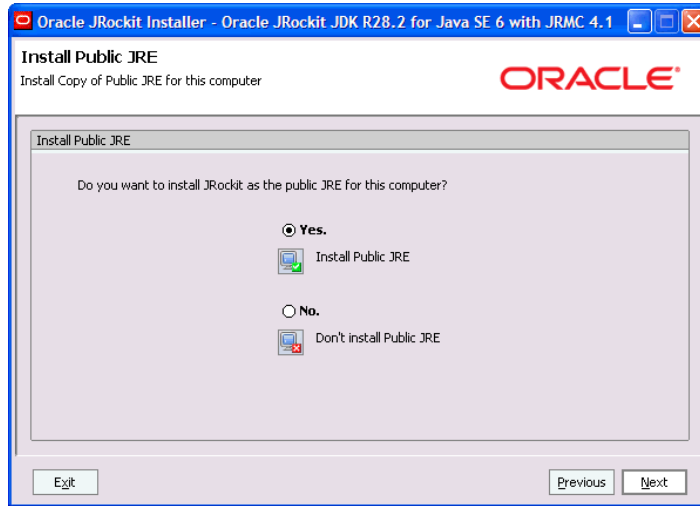
For more information on using this screen, see [Section 1.4, "Product Installers"](#).



## B.4 Install Public JRE

Figure B–4 shows the Install Public JRE screen. Use this screen to install the Oracle JRockit JRE as the public Java Runtime Environment. This screen is only available if you are installing Oracle JRockit JDK on Windows.

**Figure B–4** *Install Public JRE Screen*

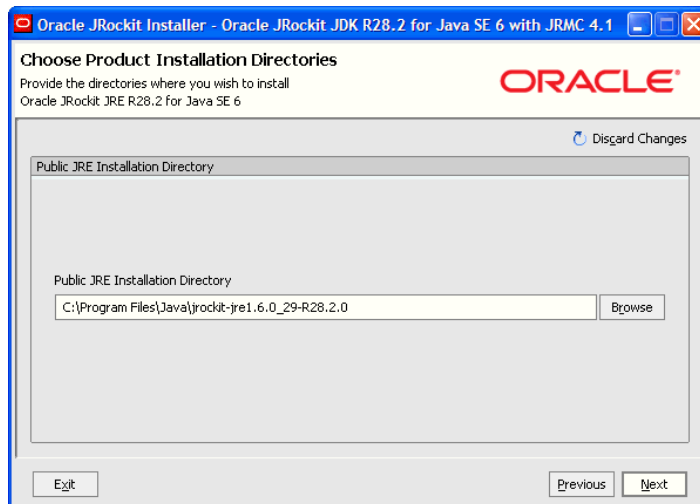


For more information, see [Section 1.4, "Product Installers"](#).

## B.5 Choose Product Installation Directories (for Public JRE Installation)

Figure B–5 shows the Choose Product Installation Directories screen (for public JRE installation). On this screen, you specify the product installation directory of the optional public Java Runtime Environment. This screen is only available if installing Oracle JRockit JDK on Windows.

**Figure B–5** *Choose Product Installation Directories (for Public JRE Installation)*

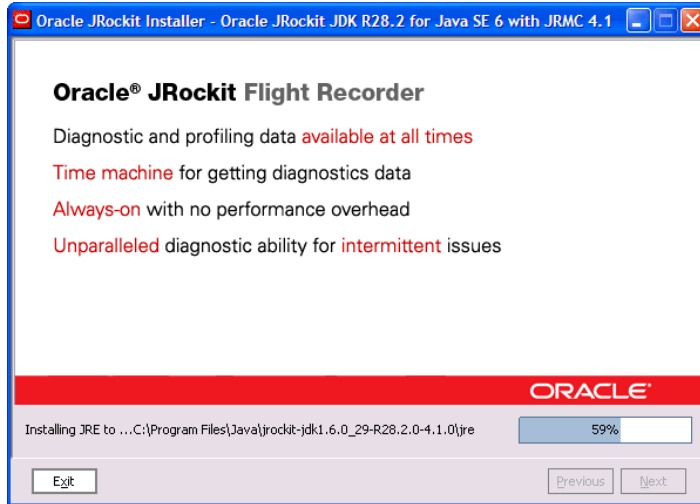


For more information, see [Section 1.4, "Product Installers"](#).

## B.6 Installation Progress

Figure B–6 shows the installation progress meter. This screen contains a meter that lets you know the percentage of installation complete.

**Figure B–6** *Installation Progress Screen*



For more information, see [Section 1.4, "Product Installers"](#).

## B.7 Installation Complete

Figure B–7 shows the Installation Complete screen. This screen appears when your product installation is successful.

**Figure B–7** *Installation Complete Screen*

