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

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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.
## Preface
- About the Document: v
- Documentation Accessibility: v
- Conventions: vi

### 1 Product Installation Background
- 1.1 Installation Modes: 1-1
- 1.2 Supported Configurations: 1-1
- 1.3 Notation Used in this Guide: 1-2
- 1.3.1 Platform-Specific Variables: 1-2
- 1.3.2 Product Name and Version Variables: 1-2
- 1.3.3 Product Installer Variables: 1-3
- 1.3.4 Product Installation and Uninstallation Directory Variables: 1-3
- 1.3.5 Oracle Universal Installer Central Inventory Variables: 1-3
- 1.3.6 Windows Start Menu Variables: 1-3
- 1.4 Product Installers: 1-4
- 1.5 Special Note About Installing on Linux or Solaris: 1-5
- 1.5.1 Ensure the Installer is Executable: 1-5
- 1.5.2 Acquire Root Access for System Wide Installation: 1-5
- 1.5.3 Default Location of System Preferences: 1-5

### 2 Graphical Mode Installation
- 2.1 Installing the Product: 2-1
- 2.2 Uninstalling the Product: 2-2
- 2.2.1 Uninstalling the Windows Version: 2-2
- 2.2.2 Uninstalling Linux and Solaris Versions: 2-3

### 3 Console Mode Installation
- 3.1 Installing the Product in Console Mode: 3-1
- 3.2 Uninstalling the Product in Console Mode: 3-1
- 3.2.1 Uninstalling Windows Versions from the Command Line: 3-2
- 3.2.2 Uninstalling Linux and Solaris Versions from the Command Line: 3-2
4 Silent Mode Installation

4.1 The silent.xml File ................................................................................................................ 4-1
4.2 Installing the Product in Silent Mode .................................................................................. 4-2
4.3 Uninstalling the Product in Silent Mode ............................................................................. 4-3

5 Post-Installation Instructions

5.1 Starting the JRockit Mission Control Client ......................................................................... 5-1
5.1.1 Starting the JRockit Mission Control Client From the Start Menu ............................... 5-1
5.1.2 Starting the JRockit Mission Control Client From the Command Line ....................... 5-1
5.2 Opening JRockit Flight Recorder Files ................................................................................ 5-2
5.3 Adding the Product to Your Path ....................................................................................... 5-2
5.4 Integrating the Product with Oracle Universal Installer .................................................. 5-2
5.4.1 Attaching the Product to the Central Inventory ......................................................... 5-3
5.4.2 Detaching the Product from the Central Inventory ..................................................... 5-3

A Upgrading to Oracle JRockit R28

A.1 Supported Configurations ................................................................................................. A-2
A.2 Java Version Dependencies .............................................................................................. A-2
A.3 Upgrade-Related Tasks ..................................................................................................... A-2
A.3.1 Verify the Release Number After Installation .......................................................... A-2
A.3.2 Ensure Compatibility of JVM Command-Line Options ............................................ A-3
A.3.3 Test the Application in a Staging Environment ......................................................... A-3

B Product Installation Screens

B.1 Welcome ............................................................................................................................. B-1
B.2 Choose Product Installation Directories ........................................................................... B-2
B.3 Optional Components ....................................................................................................... B-2
B.4 Install Public JRE ............................................................................................................ B-3
B.5 Choose Product Installation Directories (for Public JRE Installation) ......................... B-3
B.6 Installation Progress ......................................................................................................... B-4
B.7 Installation Complete ....................................................................................................... B-4
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.

Documentation Accessibility


Access to Oracle Support

Conventions

The following text conventions are used in this document:

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

**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.

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

1.3.2 Product Name and Version Variables

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

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>product_name</td>
<td>The product name in short abbreviated form. product_name has the following possible values; jrockit-jdk for Oracle JRockit JDK, and jrockit-jre for Oracle JRockit JRE.</td>
</tr>
<tr>
<td>java_version</td>
<td>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 1.6.0_20.</td>
</tr>
<tr>
<td>jrockit_version</td>
<td>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 R28.2.0.</td>
</tr>
<tr>
<td>jrmc_version</td>
<td>The detailed JRockit Mission Control Client developer version number, consisting of the major, minor and micro version numbers separated by dots; for example 4.1.0.</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>product_install_dir</td>
<td>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 product_name_version; for example C:\Program Files\Java\jrockit-jdk1.6.0_29-R28.2.0-4.1.0.</td>
</tr>
<tr>
<td>product_uninstall_dir</td>
<td>The full path of the product uninstallation directory, available on Windows platforms. The top uninstallation directory naming convention is product_name_version-arch, while the product uninstallation location is %SystemRoot%\Installer\Oracle; for example C:\WINDOWS\Installer\Oracle\jrockit-jdk1.6.0_29-R28.2.0-4.1.0-ia32 for Oracle JRockit JDK for Java SE 6 with Oracle JRockit Mission Control 4.1.0 on Windows 32-bit x86.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>public_product_name</code></td>
<td>The public product name; for example Oracle JRockit JDK, or Oracle JRockit JRE.</td>
</tr>
<tr>
<td><code>public_product_name_jrmc</code></td>
<td>The public Oracle JRockit Mission Control Client name when bundled with the Oracle JRockit JDK; for example JRMC.</td>
</tr>
<tr>
<td><code>public_jrmc_name</code></td>
<td>The public Oracle JRockit Mission Control Client name; for example Oracle JRockit Mission Control.</td>
</tr>
<tr>
<td><code>public_jrockit_version</code></td>
<td>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.</td>
</tr>
<tr>
<td><code>public_java_version</code></td>
<td>The public Java platform name and version; for example Java SE 5.0, or Java SE 6.</td>
</tr>
<tr>
<td><code>public_jrmc_version</code></td>
<td>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.</td>
</tr>
<tr>
<td><code>public_arch_bits</code></td>
<td>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.</td>
</tr>
<tr>
<td><code>public_product_name_version</code></td>
<td>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 <code>public_product_name public_jrockit_version</code> for <code>public_java_version</code> with <code>public_product_name_jrmc public_jrmc_version public_arch_bits</code>, otherwise the format is <code>public_product_name public_jrockit_version</code> for <code>public_java_version public_arch_bits</code>; 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).</td>
</tr>
<tr>
<td><code>public_jrmc_name_version</code></td>
<td>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 <code>public_jrmc_name public_jrmc_version</code>; for example Oracle JRockit Mission Control 4.1.0.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Platform...</th>
<th>Use...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows 32-bit x86</td>
<td><code>product_name_version-windows-ia32.exe</code></td>
</tr>
<tr>
<td>Windows 64-bit Xeon/AMD64</td>
<td><code>product_name_version-windows-x64.exe</code></td>
</tr>
<tr>
<td>Linux 32-bit x86</td>
<td><code>product_name_version-linux-ia32.bin</code></td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Platform...</th>
<th>Use...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linux 64-bit Xeon/AMD64</td>
<td>product_name_version-linux-x64.bin</td>
</tr>
<tr>
<td>Solaris 64-bit SPARC</td>
<td>product_name_version-solaris-sparcv9.bin</td>
</tr>
</tbody>
</table>
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.

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

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:

     ```plaintext
     product_install_dir\demo
     ```
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 JRMC 4.1.0 (32-bit) then Uninstall Oracle JRockit JDK R28.2 for Java SE 6 with JRMC 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".
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.

   **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.
4. At the command line, type:
   
   ```bash
   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".

   **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”

### 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:

\textit{product\textunderscore uninstall\textunderscore dir}\backslash\textit{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:

\texttt{rm -rf product\_install\_dir}

The product is removed from your computer.
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

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
<?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.
    -->
```
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.
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:** This procedure assumes that `silent.xml` is stored in the same directory as the product installer.

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 JRMC 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".

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

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

Use this commands for Linux and Solaris platforms:

```
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

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
  ■ Oracle JRockit R26
    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
  ■ Oracle JRockit 1.4.2 R24
    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
  ■ Oracle JRockit 1.3.1 7.0 R23
    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:


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.

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

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

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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.
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**

The installer will guide you through the installation of Oracle JRockit JDK R28.2 for Java SE 6 with Oracle Mission Control 4.1.
Choose Product Installation Directories

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".

Optional Components

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.

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.

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