

Oracle® JRockit Mission Control

Installing Oracle JRockit Mission Control

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Installing Oracle JRockit Mission Control

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

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

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

Note on Oracle JRockit JVM Installation

This document shows how to install JRockit Mission Control, which includes the Oracle JRockit JDK. 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

Notation Used in this Guide

Throughout this document, JRockit Mission Control versions are defined with the following notation:

```
jrmc-<jrmc_version>-<java_version>
```

For example:

```
jrmc-3.0.3-1.6.0
```

In this example, the product is JRockit Mission Control 3.0.3 for Java SE 6.

Installing and Uninstalling JRockit Mission Control

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

- Microsoft Windows 32-bit x86, 64-bit Xeon/AMD64, and 64-bit Itanium
- Red Hat Linux 32-bit x86, 64-bit Xeon/AMD64, and 64-bit Itanium
- 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 Mission Control

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 Mission Control. [Table 1](#) lists the installers.

Table 1 JRockit Mission Control Installers by Version and Platform

On...	For Java SE version...	Use...
Windows 32-bit x86	1.4.2	jrmc-3.0.3-1.4.2-windows-ia32.exe
	5.0	jrmc-3.0.3-1.5.0-windows-ia32.exe
	6	jrmc-3.0.3-1.6.0-windows-ia32.exe
Windows 64-bit Itanium	1.4.2	jrmc-3.0.3-1.4.2-windows-ipf.exe
	5.0	jrmc-3.0.3-1.5.0-windows-ipf.exe
Windows 64-bit Xeon/AMD64	5.0	jrmc-3.0.3-1.5.0-windows-x64.exe
	6	jrmc-3.0.3-1.6.0-windows-x64.exe
Red Hat Linux 32-bit x86	1.4.2	jrmc-3.0.3-1.4.2-linux-ia32.bin
	5.0	jrmc-3.0.3-1.5.0-linux-ia32.bin
	6	jrmc-3.0.3-1.6.0-linux-ia32.bin
Red Hat Linux 64-bit Itanium	1.4.2	jrmc-3.0.3-1.4.2-linux-ipf.bin
	5.0	jrmc-3.0.3-1.5.0-linux-ipf.bin
Red Hat Linux 64-bit Xeon/AMD64	5.0	jrmc-3.0.3-1.5.0-linux-x64.bin
	6	jrmc-3.0.3-1.6.0-linux-x64.bin
Sun Solaris on 64-bit Sparc	1.4.2	jrmc-3.0.3-1.4.2-solaris-sparcv9.bin
	5.0	jrmc-3.0.3-1.5.0-solaris-sparcv9.bin
	6	jrmc-3.0.3-1.6.0-solaris-sparcv9.bin

To install JRockit Mission Control

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

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

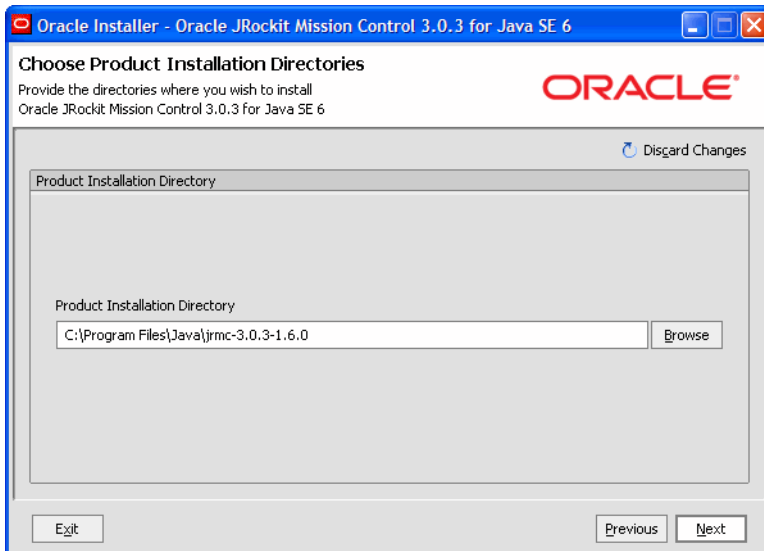
3. Run the installer.

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](#)).

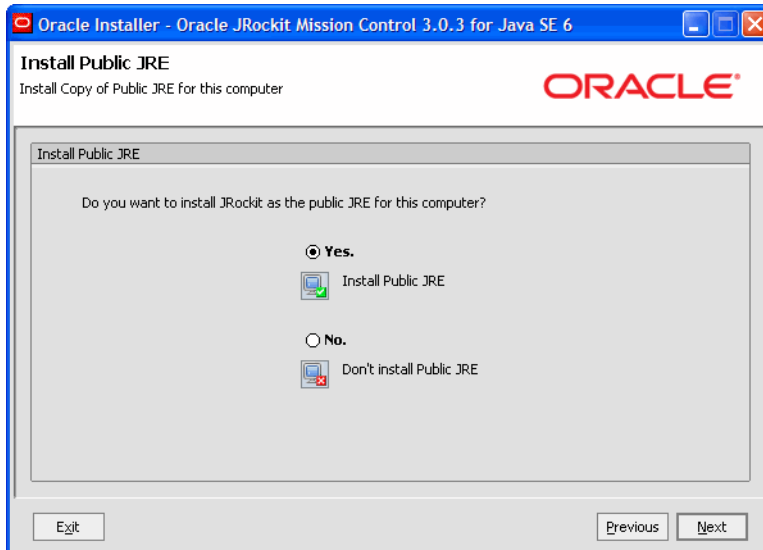
Figure 1 Choose Product Installation Directory Window



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

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 **Install Public JRE** window appears.

Figure 2 Install Public JRE Window

6. If you want the Oracle JRockit Java Runtime Environment installed as the public JRE on your computer, select **Yes**; otherwise, select **No** (if you select **No**, go to [step 8](#)).

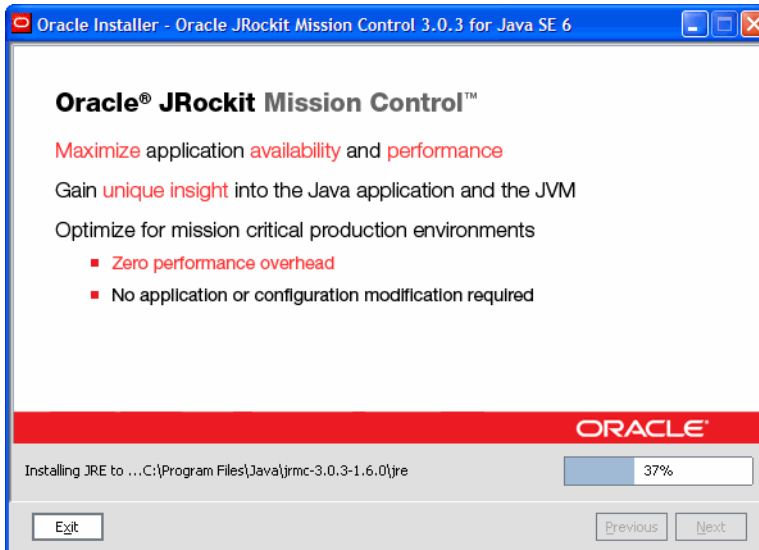
7. Click **Next**.

If you selected **Yes** to the Install Public JRE prompt, the **Choose Product Installation Directories** window reappears, this time showing the default installation directory for the Public JRE. You can change the installation directory, if you want or leave the default.

8. Click **Next**.

The installation process continues, as indicated on the progress meter in the lower right corner of the window (see [Figure 3](#)).

Figure 3 Oracle Installer Window with Progress Meter



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

9. Click **Done**.

JRockit Mission Control is now installed.

To start JRockit Mission Control (Windows x86)

You can start Oracle JRockit Mission Control 3.0.3 from the **Start** menu.

Adding JRockit Mission Control to Your Path

Once you have installed JRockit Mission Control, 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%\Java\jrmc-<jrmc_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=$HOME/jrmc-<jrmc_version>-<java_version>/bin:$PATH
```

Uninstalling JRockit Mission Control

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

Uninstalling Windows Versions

To uninstall JRockit Mission Control, do the following:

1. Click **Start** and open the **All Programs** menu.
2. Select **Oracle JRockit Mission Control [version] > Uninstall Oracle JRockit Mission Control [version]**.

The Oracle **Uninstaller** confirmation message appears.

3. Click **OK**.

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

4. Click **OK**.

JRockit Mission Control is removed from your computer.

Uninstalling Windows Versions from the Command Line

To uninstall JRockit Mission Control from the command line, run the following command from a console window:

```
%SystemRoot%\Installer\Oracle\jrmc-<jrmc_version>-<java_version>-<arch>\uninstall.exe
```

Uninstalling Linux and Solaris Versions from the Command Line

To uninstall Linux and Solaris versions of JRockit Mission Control, do the following:

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

```
rm -rf jrmc-<jrmc_version>-<java_version>
```

JRockit Mission Control is removed from your computer.

Installing and Uninstalling JRockit Mission Control in Console Mode

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

Installing JRockit Mission Control in Console Mode

To install JRockit Mission Control in console mode, do the following:

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

Note: If you install JRockit 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 Mission Control.
5. At the command line, enter:

```
jrmc-<jrmc_version>-<java_version>-<platform>.<ext> -mode=console
```

where `ext` is the file name extension, which 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 Mission Control](#).

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 Mission Control](#).

Uninstalling JRockit Mission Control 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 Mission Control 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; for example, whether or not you want the public JRE installed. [Listing 1](#) shows an example of a `silent.xml` file for JRockit Mission Control 3.0.3 for Java SE 6.

Listing 1 Example of a silent.xml File

```
<?xml version="1.0" encoding="UTF-8" ?>
<domain-template-descriptor>
  <input-fields>
    <!--
      Installation directory
      This option is valid for all platforms and Oracle JRockit Mission Control
products
-->
    <data-value name="USER_INSTALL_DIR" value="c:\Program
Files\Java\jrmc-3.0.3-1.6.0
    <!--
      Install Public JRE
      This option is available for Oracle JRockit Mission Control installers on
Windows
-->
    <data-value name="INSTALL_PUBLIC_JRE" value="true" />
    <!--
```

Installation directory for Public JRE

This option is available for Oracle JRockit Mission Control installers on Windows

```
-->  
<data-value name="PUBLIC_JRE_INSTALL_DIR" value="c:\Program  
Files\Java\jrockit-R27.6.0-jre1.6.0_05" />  
</input-fields>  
</domain-template-descriptor>
```

Installing JRockit Mission Control in Silent Mode

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

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

Note: If you install JRockit 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 Mission Control.
5. At the command line, enter:

```
jrmc-<jrmc_version>-<java_version>-<platform>.<ext> -mode=silent  
-silent_xml="silent.xml"
```

where `<ext>` is the file name extension, which 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.

If you want to confirm installation on Windows, click **Start > Programs**. If the installation is successful, you will see Oracle JRockit Mission Control [**version**] for [**Java SE version**] in your Program menu.

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

Uninstalling JRockit Mission Control 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 Mission Control on either a Linux or Solaris machine, please note the information in this section.

Ensure the Installer is Executable

If you install JRockit Mission Control 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 Mission Control 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 Mission Control 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:

```
<JAVAHOME>/ .systemPrefs
```

where `<JAVAHOME>=<INSTALLDIR>/jre`.

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

Installing Oracle JRockit Mission Control