



BEA WebLogic JRockit™ 7.0 Limited Availability for Red Hat Linux Advanced Server 2.1 - IPF

Installation and Migration Guide

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1 Introduction

This *Installation and Migration Guide* explains how to install BEA WebLogic JRockit 7.0 Limited Availability for Red Hat Linux Advanced Server 2.1 - IPF on supported platforms and how to switch to this version of JRockit from other versions and from other JVMs.

Java 2 Standard Edition™ (J2SE™) Compatibility

BEA WebLogic JRockit 7.0 Limited Availability for Red Hat Linux Advanced Server 2.1 - IPF is certified by Sun Microsystems, Inc. to be compatible with Java 2 Standard Edition (J2SE), version 1.4.1.

The JRE class files that are distributed with JRockit come directly from Sun except for a small number, which are tightly coupled to the JVM and are therefore overridden in JRockit. The class files that are overridden are in the `java.lang`, `java.io`, `java.net` and `java.util` packages. There are no omitted classes.

2 Installation

This section describes the procedures for installing BEA WebLogic JRockit 7.0 Limited Availability for Red Hat Linux Advanced Server 2.1 - IPF. It includes information on the following subjects:

- Installing JRockit on Red Hat Linux AS

Installing JRockit on Red Hat Linux AS

For Red Hat Linux AS, the only supported versions of `kernel`, `glibc` and `pthread`s are the ones that ship as the defaults with RH AS 2.1. To install JRockit, do the following:

1. Go to the directory where you want to run JRockit.
2. Uncompress the file for your version of Linux by entering the command:

```
tar -zxvf jrockit-7.0b-j2se1.4.1-linux64.tar.gz
```

Special Note About Root Access

If you choose to install the JRockit Java 2 Runtime Environment into a system-wide location such as `/usr/local`, you must first become the root in order to gain the necessary permissions. If you do not have root access, simply install the JRockit Java 2 Runtime Environment into your home directory, or a subdirectory that you have permission to write to.

3 Migration

This section describes the procedures for migrating to BEA WebLogic JRockit 7.0 Limited Availability for Red Hat Linux Advanced Server 2.1 - IPF. It contains information on the following subjects:

- Running Java™ Programs with WebLogic JRockit
- Replacing the Sun JRE
- Known Problems When Switching Virtual Machines

Running Java™ Programs with WebLogic JRockit

You can make JRockit the default VM for your system. To do this, add the full path of the JRockit bin directory to your path variable before the path to any other VM.

If you want to run JRockit without making it the system default you can always use the full path to the java executable when starting a Java program.

Replacing the Sun JRE

As previously stated Weblogic JRockit 7.0 is certified as compatible with J2SE 1.4.1. This means that any Java program that runs using the Sun JRE for J2SE 1.4.1 will run using the corresponding version of WebLogic JRockit.

Differences in Command Line Options

The standard command line options available for JRockit are the same as the Sun JRE for both J2SE 1.4.1, with one exception: the option for selecting the VM in JRockit is restricted to `-jrockit`, which is also the default value.

The non standard options (`-x` options) for JRockit are in most cases not the same as the non-standard options in the Sun JRE due to differences in design and configurability. Please refer to the JRockit User Guide for a description of the non standard options.

Known Problems When Switching Virtual Machines

As the command line options (choice of VM and non standard options) differ from other VMs, remember to change all your start-up scripts accordingly to avoid unexpected errors.