

# **Oracle® JRockit Real Time**

Release Notes

3.1.0

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# Oracle JRockit Real Time 3.0 Release Notes

The following sections describe known problems in Oracle JRockit Real Time 3.1.0, as well as problems that were resolved in version 3.1.0. Entries include a description of the problem and a workaround or solution where appropriate.

- [Java Support](#)
- [Platform Support](#)
- [Installation](#)
- [Additional Documentation](#)
- [Issues Resolved in Version 3.1.0](#)
- [Known Issues](#)

## Java Support

JRockit Real Time 3.1.0 is certified to be compatible with these Java versions:

- Java SE 6 Update 5
- J2SE 5.0 Update 15
- J2SE 1.4.2\_17

# Platform Support

Platform support JRockit Real Time 3.1.0 depends upon the J2SE version. Refer to the pages listed in [Table 1](#) for a list of currently-supported platforms.

**Table 1 Platform Support Links**

For...	See...
Java SE 6 Update 3	<a href="#">Oracle JRockit JDK 6 Supported Configurations</a>
J2SE 5.0 Update 14	<a href="#">Oracle JRockit JDK 5.0 Supported Configurations</a>
J2SE 1.4.2_16	<a href="#">Oracle JRockit JDK 1.4.2 Supported Configurations</a>

**Note:** Oracle JRockit Real Time is not supported on Windows Itanium or Linux Itanium platforms.

## Installation

As of version 3.1.0, JRockit Real Time is no longer installed as part of WebLogic Server. For complete instructions, see [Installing Oracle JRockit Real Time](#) at:

<http://edocs.bea.com/wlrt/install/index.html>

## Additional Documentation

You can find additional documentation for this release of JRockit Real Time here:

<http://edocs.bea.com/wlrt/docs30/index.html>

## New or Enhanced Features in Version 3.1.0

This version of JRockit Real Time introduces the following new or enhanced features:

- [Lower -XpauseTarget Minimum](#)
- [Thread Transitions Shown in LAT](#)

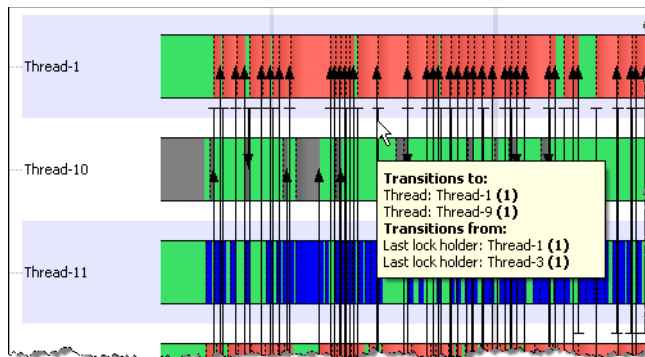
## Lower -XpauseTarget Minimum

The `-XpauseTarget` value can now be set as low as 1 ms. The real minimum pause target still depends on the application size and behavior and the hardware. For more information on setting a pause target in JRockit Real Time, please see [Setting a Pause Target for Deterministic Mode](#) in the *Oracle JRockit Diagnostics Guide*.

## Thread Transitions Shown in LAT

Thread transitions—a latency event in one thread that is associated with another thread—are now displayed as small black arrows on the Latency Analysis Tool’s Latency Graph, as shown in [Figure 1](#). By hovering your pointer over a transition arrow, a tooltip will appear, describing the transition.

**Figure 1** Arrows Depict Thread Transitions in LAT; Tooltip Describes Selected Transition



## Issues Resolved in Version 3.1.0

For a list of issues resolved in JRockit Real Time 3.1.0, please see:

- [Changes in Oracle JRockit R27.5](#)

and

- [Changes in Oracle JRockit R27.6](#)

in the *Oracle JRockit Release Notes*.

# Known Issues

[Table 1](#) describes issues known to exist in JRockit Real Time 3.1.0. Entries include a description of the problem and a workaround or solution where appropriate.

**Table 1 Known Issues in Oracle JRockit Real Time 3.1.0**

Issue ID	Description
CR286073	<p>On Sun Solaris 9 or 10 on Sparc, when installing Oracle JRockit Real Time as an add-on to an existing Oracle WebLogic Server 9.1 installation, you must update the LD_LIBRARY_PATH variable to point to the sparc64 directory under <code>\${weblogic91_home}/server/native/solaris</code>.</p> <p>For more information on this issue, see <a href="#">WebLogic Server 9.2 and Later MPs for Solaris 9 on SPARC64 Installation Instructions</a>.</p> <p><b>Workaround:</b></p> <p>Update the LD_LIBRARY_PATH variable by replacing all occurrences of <code>\${weblogic91_home}/server/native/solaris/sparc</code> with <code>\${weblogic91_home}/server/native/solaris/sparc64</code> in the <code>\${weblogic91_home}/common/bin/commEnv.sh</code> file.</p>



**Table 1 Known Issues in Oracle JRockit Real Time 3.1.0**

Issue ID	Description
CR294076, CR283776	<p>If you are using Oracle JRockit 1.5.0_07 (or later) with version 9.1 or 9.2 of WebLogic Server, an exception similar to the following is thrown when you start the server:</p> <pre>weblogic.management.ManagementException: [Management:141266]Parsing Failure in config.xml: javax.xml.namespace.QName; local class incompatible: stream classdesc serialVersionUID = 4418622981026545151, local class serialVersionUID = -9120448754896609940</pre> <p>The problem is actually with the 1.5.0_07 version (and later) of the JDK, in which there is an incompatible change of the serialVersionUID of the <code>javax.xml.namespace.QName</code> class.</p> <p><b>Workaround:</b></p> <p>To work around this problem, you must set the old compatibility value. You can do this by simply setting the system property:</p> <pre>com.sun.xml.namespace.QName.useCompatibleSerialVersionUID=1.0</pre> <p>Or you can add the following option to the <code>java</code> command in your application server start-up script:</p> <pre>-Dcom.sun.xml.namespace.QName.useCompatibleSerialVersionUID=1.0</pre>
CR307782	<p>When installing JRockit Real Time into an existing BEA_HOME directory that also contains a WebLogic Server 8.1 installation, the <b>Review Installation Details</b> window of the installer contains formatting errors that makes it difficult to read the overview of the Oracle JRockit Real Time installation.</p> <p>This problem occurs with the following configurations:</p> <ul style="list-style-type: none"> <li>• Microsoft Windows Server 2003 with JRockit 1.4.2 R27.1 (WebLogic Server 8.1)</li> <li>• Linux 32-bit with JRockit 1.4.2 R27.1 (WebLogic Server 8.1)</li> </ul> <p>There is no workaround or solution to this problem.</p>

Please see [Known Issues](#) in the *Oracle JRockit Release Notes* for more information.

