



# BEA WebLogic Platform™

## **8.1 Supported Configurations: Red Hat Enterprise Linux 3.0 WS on x86**

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# Red Hat Enterprise Linux 3.0-5 WS on x86 with WebLogic Server 8.1

**Note:** Oracle will end support for WebLogic Server running on Red Hat Enterprise Linux 3.0 in October 2010. This is in accordance with Oracle's 3rd-Party Product Desupport Advisory - Red Hat Enterprise AS/ES 3. Please refer to doc id 437627.1 in <http://support.oracle.com> for additional details.

This section provides the following information

- [Related Information](#)
- [Configuration Requirements](#)
- [Known Issues](#)

## Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Server product support information, see the appropriate *Supported Configurations* document in [WebLogic Platform 8.1 Supported Configurations](#)
- For details about Red Hat Enterprise Linux 3.0, visit Red Hat's Web site: <http://www.redhat.com>.
- For information about the Azul Virtual Machine, see: <http://www.azulsystems.com>

# Configuration Requirements

Table 1-1 Requirements for 8.1 SP6 on Red Hat Enterprise Linux 3.0-5 WS on x86

<b>Operating System Version and Patches</b>	Red Hat Enterprise Linux 3.0-5 WS Kernel 2.4.21-20 with glibc 2.3.2-95.27 and later updates and errata levels (32-bit)	<b>Note:</b> The i386 version of glibc is not supported; make sure that glibc i686 is installed on your system.
<b>Chip Architecture and Minimum Processor Speed</b>	x86 (400 MHz)	
<b>SDK</b>	<ul style="list-style-type: none"><li>BEA JRockit 1.4.2_10 R26.3.0-32_CR283061 and all later 1.4.2 releases of JRockit</li><li>Azul Virtual Machine 2.2.1.0 and later patches</li></ul>	
<b>RAM</b>	512 MB required; 1 GB recommended	
<b>Performance Pack</b>	Included	lib/linux/i686/libmuxer.so
<b>Node Manager</b>	Included	Native
<b>BEA jDrivers for Oracle</b>	<b>For this Oracle client version:</b>	<b>The following shared libraries are provided:</b>
	Oracle 9.2.0.4 and later patch sets	<ul style="list-style-type: none"><li>lib/linux/i686/oci920_8/libweblogicoci39.so</li><li>lib/linux/i686/oci920_8/libweblogicoxa39.so</li></ul>

## Known Issues

- Known Issues When Using the Azul Virtual Machine
- setuid Issue
- Issues Related to Other BEA Products

## Known Issues When Using the Azul Virtual Machine

- The Azul Virtual Machine supports only Type 4 JDBC drivers.
- To enable native I/O, specify the following flag on the `java` command line when starting WebLogic Server:

```
-XX:+WL81NativeIO
```

- The default number of open file descriptors allocated for the JDK may be insufficient for the Azul Virtual Machine.

In most circumstances the number of open file descriptors allocated, in the proxy machine, for the SDK should be at least three times the number of file descriptors allocated for BEA JRockit. If you are going to run file-intensive operations, be sure to allocate seven to eight times the existing value for the number of open file descriptors in the proxy machine. If no value has been set, set the value to 8192.

To change the specified number of open file descriptors, enter the `ulimit -n` command. For example, if the number of file descriptors allocated for BEA JRockit is 1024, raise that number to 8192 by entering the following command:

```
ulimit -n 8192
```

**Note:** Keep in mind that the BEA WebLogic jDriver has been deprecated in WebLogic Platform 8.1. BEA does not support the use of the WebLogic jDriver with WebLogic Server 8.1 SP6 with the Azul Virtual Machine.

## setuid Issue

The `setuid` functionality does not work with this SDK due to the way the current Linux thread model works. When you use ports lower than 1024, you cannot switch from root to a non-privileged user ID with the `setuid` function.

## Issues Related to Other BEA Products

- For information about known issues with any of the products or components described here, see the *WebLogic Server Release Notes* document.

[http://download.oracle.com/docs/cd/E13222\\_01/wls/docs81/notes/index.html](http://download.oracle.com/docs/cd/E13222_01/wls/docs81/notes/index.html)

- For information about known issues with the Azul Virtual Machine, see:

<http://www.azulsystems.com>

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