



# BEA WebLogic Platform™

**8.1 Supported  
Configurations: Red Hat  
Enterprise Linux 4.0 AS,  
ES on IBM pSeries**

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# Red Hat Enterprise Linux 4.0 AS, ES on IBM pSeries with WebLogic Server 8.1 SP4

## Product Components Supported on this Configuration

	WebLogic Server	WebLogic Workshop	WebLogic Integration	WebLogic Portal
Run-time	✓	✗	✗	✗
Design/Dev Tools*	✓	✗	✗	✗

\* For design and development tools support, see the "Configuration Requirements" section below.

✓ Supported  
✗ Not supported

This section provides the following information:

- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Installation Instructions](#)

## Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 8.1 Supported Configurations](#).
- For details about Red Hat Enterprise Linux 4.0, visit Red Hat's Web site: <http://www.redhat.com>.

## Configuration Requirements

**Table 1-1 Requirements for WebLogic Server 8.1 SP4 on Red Hat Enterprise Linux 4.0 AS, ES on IBM pSeries**

<b>Operating System Version and Patches</b>	Red Hat Enterprise Linux 4.0 AS, ES Kernel 2.6.9-5.EL with glibc 2.3.4-2 and later updates and errata levels (64-bit kernel)	
<b>Chip Architecture and Minimum Processor Speed</b>	<ul style="list-style-type: none"> <li>• IBM Power4 (1.452 GHz)</li> <li>• IBM Power5 (1.452 GHz)</li> </ul>	
<b>SDK</b>	IBM SDK for 64-bit pSeries with Version 1.4.2 SR1a +82052 + 85266	Java(TM) 2 Runtime Environment, Standard Edition (build 1.4.2) Classic VM (build 1.4.2, J2RE 1.4.2 IBM build cxp64142sr1aifx-20050427 (142SR1a + 82052 + 85266) (JIT enabled: jitc))
<b>Design and Development Tools</b>	Supports WebLogic Server design and development tools.	
<b>RAM</b>	512 MB required; 1 GB recommended	
<b>Performance Pack</b>	Included	lib/linux/ppc64/libmuxer.so
<b>Node Manager</b>	Included	Native
<b>BEA jDrivers for Oracle</b>	Not supported	

## Known Issues

Issue	Description	Workaround
IIOOP Thin Client not supported	The IIOOP Thin Client is not supported on Red Hat Enterprise Linux on IBM pSeries configurations due to dependencies on the JVM. Only thin-client applications are affected by this issue.	Run WebLogic Server on Red Hat Enterprise Linux on IBM pSeries configurations, and your Thin Client on another operating system.
Language setting limitation	The JSP files of WebLogic Server sample applications are encoded in ISO8859-1, but the default encoding on Red Hat Enterprise Linux on IBM pSeries configurations is UTF-8. This difference causes errors when JSP files are parsed.	Set the environment variable LANG to en_US.ISO8859-1 by entering the following command: <code>export LANG=en_US.ISO8859-1</code>
wlkeytool not supported	wlkeytool is not supported on Red Hat Enterprise Linux 4.0 on IBM pSeries (64-bit environment).	None

For more information about known issues with this release, see *WebLogic Server and WebLogic Express Release Notes*:

<http://e-docs.bea.com/wls/docs81/notes/index.html>

## Download and Installation Instructions

This section provides instructions for the following procedures:

- [Downloading and Installing IBM 64-bit SDK 1.4.2](#)
- [Downloading and Installing WebLogic Server 8.1 SP4 and Supplemental JAR File](#)

### Downloading and Installing IBM 64-bit SDK 1.4.2

1. Go to the following IBM download site:

<https://www14.software.ibm.com/webapp/iwm/web/reg/pick.do?source=lxdk>

2. Register and accept the license agreement.

The download page is displayed.

3. Select “IBM SDK for 64-bit iSeries/pSeries, Version 142 SR1a-2.”
4. Follow the instructions displayed to download the SDK in tgz format and install it. For example:

```
tar xzf IBMJava2-SDK-142.ppc64.tgz
```

5. Set the `JAVA_HOME` environment variable to the directory in which IBM SDK 1.4.2 SR1a+ is installed, and export `JAVA_HOME`. For example:

```
export JAVA_HOME=/opt/IBMJava2-ppc64-142
```

6. Make sure that your `PATH` variable includes `$JAVA_HOME/bin`. For example:

```
export PATH=$JAVA_HOME/bin:$PATH
```

7. To verify that the required SDK fixes are now installed on your system, run the following command:

```
java -version
```

Make sure the output contains the following string:

```
Java(TM) 2 Runtime Environment, Standard Edition (build 1.4.2)
Classic VM (build 1.4.2, J2RE 1.4.2 IBM build exp64142sr1aifx-20050427
(142SR1a + 82052 + 85266) (JIT enabled: jitc))
```

## Downloading and Installing WebLogic Server 8.1 SP4 and Supplemental JAR File

To download and install WebLogic Server 8.1 SP4, complete the following procedure:

1. Go to the BEA downloads site:  
<http://commerce.bea.com/index.jsp>
2. Download the following items:
  - WebLogic Server 8.1 SP4 installer for Red Hat Enterprise Linux 4.0 for IBM pSeries: `pj_server814_generic.jar`
  - Supplemental JAR file for WebLogic Server 8.1 SP4: `wls81sp4_plinux64_supp.jar`
3. Install WebLogic Server 8.1 SP4 by running the following command in console mode:

```
$ java -Dos.name=plinux -jar pj_server814_generic.jar -mode=console
```



For a detailed console-mode procedure for installing JAR files, see *Installing BEA WebLogic Platform*:

<http://e-docs.bea.com/platform/docs81/install/index.html>.

4. Unjar the `wls81sp4_plinux64_supp.jar` file to the new directory. For example, if you have saved `wls81sp4_plinux64_supp.jar` in a directory called `/tmp`, enter the following commands to unjar the supplemental file:

```
$ export WL_HOME=/your_installation_directory/weblogic81;  
$ cd $WL_HOME/server/lib/linux;  
$ jar -xvf /tmp/wls81sp4_plinux64_supp.jar;
```

5. Add execute permission to the files in `weblogic81/server/bin` and `weblogic81/server/lib`:

```
$chmod +x $WL_HOME/server/bin/*  
$chmod -R +x $WL_HOME/server/lib/linux/ppc64/*
```

Red Hat Enterprise Linux 4.0 AS, ES on IBM pSeries with WebLogic Server 8.1 SP4