BEA WebLogic Platform™

8.1 Supported Configurations: Novell SUSE Linux Enterprise Server 9 on AMD64 and EM64T

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CHAPTER 1

Novell SUSE Linux Enterprise Server 9 on AMD64 and EM64T with 8.1 SP6

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:

- Related Information
- Configuration Requirements
- 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 Novell SUSE Linux Enterprise Server 9, visit the following Novell Web site: `http://www.novell.com/linux/suse/index.html`.

Configuration Requirements

Table 1-1 Requirements for 8.1 SP6 on Novell SUSE Linux Enterprise Server 9 on AMD64 and EM64T

Operating System Version and Patches	Novell SuSE Linux Enterprise Server (SLES) 9 SP2, with Kernel 2.6.5-7.191-smp and glibc 2.3.3 98.47 (64 bit Kernel) and all later SUSE service packs and errata	
Chip Architecture and Minimum Processor Speed	• AMD64 (3.1 GHZ) • Intel 64-bit Xeon (3.1 GHz)	
SDK	BEA JRockit 1.4.2_10 R26.3.0-32_CR283061 and all later 1.4.2 releases of JRockit	
Design and Development Tools	WebLogic Server development tools are supported.	
RAM	512 MB required; 1 GB recommended	
Performance Pack	Included	`lib/linux/i686/libmuxer.so`
Node Manager	Included	Native
BEA jDrivers for Oracle	**For this Oracle client version:**	**The following shared libraries are provided:**
	• Oracle 9.2.0.5 • Oracle 9.2.0.5 with XA	• `lib/linux/i686/oci920_8/libweblogicoci39.so` • `lib/linux/i686/oci920_8/libweblogicoxa39.so`

Download and Installation Instructions

To install WebLogic Platform 8.1 SP6 on a Novell SuSE Linux Enterprise Server (9.0, 64-bit Xeon, AMD64) configuration:

1. Go to the BEA download site:

   `http://commerce.bea.com`

2. Click on “BEA WebLogic” link to go to “BEA WebLogic Product Family” page. Then click on “BEA WebLogic Platform 8.1SP6”.
3. Go to “WebLogic Platform 8.1 with SP6” under “WebLogic Platform Package Installer” section.
4. From the list of installers for WebLogic Platform 8.1 SP6 or WebLogic Server 8.1 SP6, select “Novell SuSE Linux Enterprise Server (9.0, 64-bit Xeon, AMD64)”
5. Download the the appropriate product package installer:
   - For WebLogic Platform: `platform816_linux32.bin`
   - For WebLogic Server: `server816_linux32.bin`
6. Install WebLogic Platform or WebLogic Server using the instructions in “Starting Graphical-Mode Installation for .bin Installation Files.”

   For more information on installing WebLogic Platform or WebLogic Server, see *Installing WebLogic Platform*:
   `http://e-docs.bea.com/platform/docs81/install/index.html`.
7. The weblogic server startup script, `startWLS.sh`, under `BEA_HOME/weblogic81/server/bin` wrongly initializes the architecture as x86_64 instead of i686.

   To rectify this issue, append the following to the Linux case statement,

```
LINUX|Linux)
   arch='uname -m'
   if [ "${arch}" = "x86_64" ]; then
   arch=i686
   fi
```

CHAPTER 2

Novell SUSE Linux Enterprise Server 9 on AMD64 and EM64T with 8.1 SP5

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

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 Novell SUSE Linux Enterprise Server 9, visit the following Novell Web site: `http://www.novell.com/linux/suse/index.html`.

Configuration Requirements

Table 2-1 Requirements for 8.1 SP5 on Novell SUSE Linux Enterprise Server 9 on AMD64 and EM64T

Operating System Version and Patches	Novell SUSE Linux Enterprise Server (SLES) 9 SP2 with Kernel 2.6.5-7.191-smp with glibc 2.3.3-98.47 (64-bit kernel) and all later SUSE service packs and and errata	
Chip Architecture and Minimum Processor Speed	• AMD64 (3.1 GHZ) • Intel EM64T (3.1 GHz)	
SDK	BEA JRockit 1.4.2_08 (JVM R24.5.0-61) SDK and all later 1.4.2 releases of JRockit (32-bit)	
Design and Development Tools	WebLogic Server development tools are supported.	
RAM	512 MB required; 1 GB recommended	
Performance Pack	Included	`lib/linux/i686/libmuxer.so`
Node Manager	Included	Native
BEA jDrivers for Oracle	**For this Oracle client version:**	**The following shared libraries are provided:**
	Oracle 9.2.0.5 and later patch sets	• `lib/linux/i686/oci920_8/libweblogicoci39.so` • `lib/linux/i686/oci920_8/libweblogicoxa39.so`

Known Issues

- 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.
- The WebLogic Server startup script, `startWLS.sh` (available in `$BEA_HOME/weblogic81/server/bin`) wrongly initializes the architecture as `x86_64`

instead of `i686`. To make sure the architecture is initialized correctly, append the following code to the Linux `case` statement:

```
LINUX|Linux)
arch='uname-m'
if [ "${arch}" = "x86_64" ]; then
arch=i686
fi
```

For more information about known issues with any components of this release, see the appropriate *Release Notes* document. For a complete list of *Release Notes* supporting WebLogic Platform 8.1, see:

http://e-docs.bea.com/platform/docs81/interm/relnotes.html