Oracle Products

Supported Configurations: Red Hat Enterprise Linux

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WebLogic Platform 10.3 on Red Hat Enterprise Linux 5.0

This section provides the following information:

- Configuration Requirements
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- Download and Install Instructions

Related Information

- For information about supported database configurations, Web servers, browsers, interoperability tools, and product support, see:
  - Supported Configurations for WebLogic Platform 10.3
- For support and installation information for Oracle JRockit:
  - For support information, see Welcome to JRockit
  - For download information, see `Oracle E-Delivery` or `Oracle Technology Network.`
- For support and download information for suported Sun JDKs, see `http://java.sun.com`.
- For information about Red Hat Enterprise Linux, see the following Red Hat Web site: `http://www.redhat.com`
- For information about Azul JVM, see

http://www.azulsystems.com/services/software_documents.htm

Configuration Requirements

The following section provides requirements for products supported on this configuration:

- Requirements for Red Hat Enterprise Linux 5.0 on x86

- Requirements for Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon with 32-bit JDK

- Requirements for Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon with 64-bit JDK

- Requirements for Red Hat Enterprise Linux 5.0 on x86, AMD64, 64-bit Xeon with Azul VM

Table 1-1 Requirements for Red Hat Enterprise Linux 5.0 on x86

Operating System Version and Patches	Red Hat Enterprise Linux Server release 5.0 (Tikanga) and any dot release higher than dot zero (or later updates) in RHEL 5 are supported. For example, RHEL 5.1 and RHEL 5.4 are supported. **Note:** Red Hat Enterprise Linux 5.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 5.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	x86 (1.201 GHz)
JDK	JRockit 6.0 (R27.6.0-50) JDK (32-bit) and all later 6.0 releases of JRockit
	Sun Java 2 JDK 6.0 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 6.0 (version 1.6.0_5)
RAM	1 GB minimum, 2 GB recommended
Performance Pack	`server/native/linux/i686/libmuxer.so`

Table 1-1 Requirements for Red Hat Enterprise Linux 5.0 on x86

Product Support	• WebLogic Server 10.3 • WebLogic Portal 10.3 (Supports JRockit only) • WebLogic Integration 10.3, WebLogic Integration 10.3.1 • Workshop for WebLogic 10.3 (Runtime)
Design and Development Tools	Workshop for WebLogic 10.3 (IDE) on Sun Java 2 JDK 6.0: Not supported.

Table 1-2 Requirements for Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon with 32-bit JDK

Operating System Version and Patches	Red Hat Enterprise Linux Server release 5 (Tikanga) and any dot release higher than dot zero (or later updates) in RHEL 5 are supported. For example, RHEL 5.1 and RHEL 5.4 are supported. **Note:** Red Hat Enterprise Linux 5.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 5.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• AMD64 (1.201 GHz) • 64-bit Xeon (1.201 GHz)
JDK	JRockit 6.0 (R27.6.0-50) JDK (32-bit) and all later 6.0 releases of JRockit
	Sun Java 2 JDK 6.0 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 6.0 (version 1.6.0_5)
RAM	1 GB minimum
Performance Pack	`server/native/linux/i686/libmuxer.so`
Product Support	• WebLogic Server 10.3 • WebLogic Portal 10.3 (Supports JRockit only) • WebLogic Integration 10.3, WebLogic Integration 10.3.1 • Workshop for WebLogic 10.3 (Runtime)
Design and Development Tools	Workshop for WebLogic 10.3 (IDE) on Sun Java 2 JDK 6.0: Not supported.

Table 1-3 Requirements for Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon with 64-bit JDK

Operating System Version and Patches	Red Hat Enterprise Linux Server release 5 (Tikanga) and any dot release higher than dot zero (or later updates) in RHEL 5 are supported. For example, RHEL 5.1 and RHEL 5.4 are supported.
	Note: Red Hat Enterprise Linux 5.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 5.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• AMD64 (1.201 GHz) • 64-bit Xeon (1.201 GHz)
JDK	JRockit 6.0 (R27.6.0-50) JDK (64-bit) and all later 6.0 releases of JRockit
	Sun Java 2 JDK 6.0 with the Java HotSpot™ Client and Server VMs (64-bit) and all later service packs of 6.0 (version 1.6.0_5)
RAM	1 GB minimum
Performance Pack	`server/native/linux/x86_64/libmuxer.so`
Product Support	• WebLogic Server 10.3 • WebLogic Portal 10.3 (Supports JRockit only) • WebLogic Integration 10.3, WebLogic Integration 10.3.1 • Workshop for WebLogic 10.3 (Runtime)
Design and Development Tools	Workshop for WebLogic 10.3 (IDE) on Sun Java 2 JDK 6.0: Not supported.

Table 1-4 Requirements for Red Hat Enterprise Linux 5.0 on x86, AMD64, 64-bit Xeon with Azul VM

Operating System Version and Patches	Red Hat Enterprise Linux Server release 5.0 (Tikanga) and any dot release higher than dot zero (or later updates) in RHEL 5 are supported. For example, RHEL 5.1 and RHEL 5.4 are supported.
	Note: Red Hat Enterprise Linux 5.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 5.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• x86 (1.201 GHz) • AMD64 (1.201 GHz) • 64-bit Xeon (1.201 GHz)
JDK	Azul JVM 1.6 (AVM 2.5.0.2)
RAM	1 GB minimum, 2 GB recommended
Product Support	• WebLogic Server 10.3 • WebLogic Portal 10.3

Known Issues

- Doing a Complete Install With a Generic Installer

- Serial Version UID Mismatch

- JVM Stack Overflow

- Issues Related to WebLogic Integration 10.3 Using 64-bit JDK

- Issues Related to Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon when Using Remote Autonomy

- Issues Related to Other Products

Doing a Complete Install With a Generic Installer

If you are performing a complete install of a WebLogic product (e.g. WebLogic Server, WebLogic Portal, WebLogic Integration) by using the generic installer (.jar) on a platform where Eclipse is not supported or not installed, you might encounter a situation where the generic

installer will go into a repeated loop condition. If you are experiencing this condition refer to the *Installation Guide,* specifically the "Install Eclipse Location Options" section for more information on how to handle the installation.

Serial Version UID Mismatch

A Serial Version UID Mismatch Issue may be encountered if you deploy an application on a latest JVM, but compiled with an earlier JDK release.

Workaround: To be compatible with the serialization of previously compiled applications, modify the `<BEA_HOME>`/wlserver_10.3/common/bin/commEnv.sh file to include the following command:

```
JAVA_OPTIONS="$JAVA_OPTIONS -Dcom.sun.xml.namespace.QName.useCompatible
SerialVersionUID=1.0"
```

Alternatively, you can use the command line option:

```
export JAVA_OPTIONS="$JAVA_OPTIONS -Dcom.sun.xml.namespace.QName.useCom
patibleSerialVersionUID=1.0"
```

Note: If you intend to deploy new applications with previously compiled applications, they must be recompiled as necessary to have the same Serial Version UID.

JVM Stack Overflow

You might encounter a JVM stack overflow error or exception while running WebLogic Server.This issue applies to Oracle Enterprise Linux 4, 5, 5.1 on AMD64 and 64-bit Xeon platforms.

Workaround: Increase the stack size from the default 128k to 256k.

Issues Related to WebLogic Integration 10.3 Using 64-bit JDK

1. When you install WebLogic Integration 10.3, you might get the following Exception during installation:

```
"Creating Domains...

Exception in thread "Thread-38" java.lang.OutOfMemoryError: Java heap
space

        at java.util.Arrays.copyOf(Arrays.java:2882)
```

```
        at
java.lang.AbstractStringBuilder.expandCapacity(AbstractStringBuilder.ja
va:100)
        at
java.lang.AbstractStringBuilder.append(AbstractStringBuilder.java:390)
        at java.lang.StringBuffer.append(StringBuffer.java:224)
        at
com.bea.plateng.domain.security.LDIFTMerger.getMergedResultStr(LDIFTMer
ger.java:108)
        at
com.bea.plateng.domain.security.SecurityHelper.mergeAuthorizerLDIFTFile
s(SecurityHelper.java:1489)
at
com.bea.plateng.domain.security.SecurityHelper.mergeAuthorizer(Security
Helper.java:1466)
    at
com.bea.plateng.domain.TemplateImporter.generate(TemplateImporter.java:
340)
        at
com.bea.plateng.domain.script.ScriptExecutor$2.run(ScriptExecutor.java:
2785)
```

This problem occurs when you use the 64-bit Sun JDK or 64-bit JRockit.

Workaround:

You will need to increase the heap size by doing the following:

```
java -Xms512m -Xmx1024m  -jar wli10gR3_generic.jar
```

2. When the Medrec server goes into run mode and you try accessing the admin console for this Medrec server, you may get the following Exception:

```
"<Error> <netuix> <BEA-423341> <An exception was thrown while trying
to map the tag [ lookAndFeel ] : [ java.lang.Throwable ].
```

```
java.lang.Throwable
        at
com.bea.netuix.nf.factories.TagClassMap$NamespaceTagnameMap.getClass(Ta
gClassMap.java:189)
        at
com.bea.netuix.nf.factories.TagClassMap.getClass(TagClassMap.java:88)
```

```
        at
com.bea.netuix.nf.factories.ControlTreeFactoryBuilder$CustomDefaultHand
ler.startElement(ControlTreeFactoryBuilder.java:398)
        at
com.sun.org.apache.xerces.internal.parsers.AbstractSAXParser.startEleme
nt(AbstractSAXParser.java:501)
        at
com.sun.org.apache.xerces.internal.impl.XMLNSDocumentScannerImpl.scanSt
artElement(XMLNSDocumentScannerImpl.java:400)

        Truncated. see log file for complete stacktrace
```

An exception can also be thrown when you try to stop the server. You get an "`OutOfMemoryexception`".

This problem occurs when you have the 64-bit Sun JDK installed.

Workaround:

In the setDomainEnv.sh file, increase MaxPermSize to 256. With this change, the server can start up and you can access the Admin Console without getting the above exception. The server can also shutdown gracefully.

Issues Related to Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon when Using Remote Autonomy

See Using a Remote Autonomy Installation in *Supported Configurations for* WebLogic Platform 10.3.

Issues Related to Other Products

For information about known issues with products supported on this configuration, including available workarounds, see the appropriate *Release Notes* document.

Issues related to...	Are described in...
WebLogic Server	*WebLogic Server Known and Resolved Issues:*
	http://download.oracle.com/docs/cd/E12840_01/wls/docs103/issues/index.html
WebLogic Portal	*WebLogic Portal Release Notes*:
	http://download.oracle.com/docs/cd/E13155_01/wlp/docs103/relnotes/index.html

WebLogic Integration	*WebLogic Integration Release Notes*:
	http://download.oracle.com/docs/cd/E13160_01/wli/docs10gr3/ relnotes/index.html
Workshop for WebLogic	*Workshop for WebLogic Release Notes*:
	http://e-docs.bea.com/wlw/docs103/relnotes/index.html

Download and Install Instructions

You can download Oracle WebLogic products from either the *Oracle Technology Network* website or the *Oracle E-Delivery* website.

- "Download and Install Instructions for RHEL 5 on AMD64/64-bit Xeon" on page 1-9

- "Download and Install Instructions for RHEL 5 on x86" on page 1-12

- Oracle WebLogic Integration 10gR3 (10.3.1) installers (32-bit) for Linux, Windows and Solaris are available on Oracle Technology Network (OTN) for Oracle WebLogic Integration.

Download and Install Instructions for RHEL 5 on AMD64/64-bit Xeon

1. Download and install the supported JDK for your environment.

2. Go to `Oracle E-Delivery` and use the following information to select the WebLogic Media Pack and Part Numbers for download:

   – Select the Product Pack, Platform and Media Pack.

Product Pack	Oracle Fusion Middleware
Platform	Linux x86
Media Pack	B36233 (Oracle Application Server 10g Release 3 (10.1.3) Media Pack for Linux x86 (32 bit))

– Select the file for download (choose the Part Number that corresponds to the product, hardware, and JVM).

Product	Hardware	Platform JVM	Part Number (Description)
WebLogic Server	64-bit Xeon 64-bit AMD64	JRockit (32-bit) Sun JDK (32-bit) Azul JVM (32-bit)	V13616 (Oracle WebLogic Server 10gR3 (10.3) Linux x86)
WebLogic Server	64-bit Xeon 64-bit AMD64	JRockit (64-bit) Sun JDK (64-bit) Azul JVM (64-bit)	V13672 (Oracle WebLogic Server 10gR3 (10.3)"generic")
WebLogic Portal	64-bit Xeon 64-bit AMD64	JRockit (32-bit) Azul JVM (64-bit)	V13807 (Oracle WebLogic Portal 10gR3 (10.3) Linux x86)
WebLogic Portal	64-bit Xeon 64-bit AMD64	JRockit (64-bit) Azul JVM (64-bit)	V14087 (Oracle WebLogic Portal 10gR3 (10.3) "generic")

WebLogic Integration	64-bit Xeon 64-bit AMD64	JRockit (32-bit) Sun JDK (32-bit)	V19639-01 Oracle WebLogic Integration 10gR3 MP1 (10.3.1) for Linux x86
			V19642-01 Oracle WebLogic Integration 10gR3 MP1 (10.3.1) Upgrade Installer for Linux x86
WebLogic Integration	64-bit Xeon 64-bit AMD64	JRockit (64-bit) Sun JDK (64-bit)	V19187-01 (Oracle WebLogic Integration 10gR3 (10.3.1) Generic Installer)
			V19643-01 (Oracle WebLogic Integration 10gR3 MP1 (10.3.1) Upgrade Installer (Generic))
			Note: The Generic installer can be used for different platforms. It is possible that the part number for the generic installer may not be in the Media pack of some platforms. If so, the generic installer can be found in Media Pack B36339 (Oracle Application Server 10gR3 Media Pack for HP-UX Itanium (64-bit)).

   – Unzip the file.

3. Install instructions for 64-bit Xeon/AMD64 with 32-bit JDK

   – Install the WebLogic Products using the directions provided in the *"Using Installers with Filenames Ending in .bin* section of the *Products Installation Guide*.

4. Install instructions for 64-bit Xeon/AMD64 with 64-bit JDK

   – Make sure that your PATH variable includes $JAVA_HOME/bin where JAVA_HOME is the installation path for the JDK. For example:

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

   – Install the WebLogic Products using the directions provided in the *"Using Installers with Filenames Ending in .jar* section of the *Products Installation Guide*.

5. For WebLogic Portal, make sure that your WL_HOME variable is set to the directory in which you installed your product, and export WL_HOME. For example,

```
$ WL_HOME=<your installation directory>/wlserver_10.3
```

Download and Install Instructions for RHEL 5 on x86

1. Download and install the supported JDK for your environment.

2. Go to `Oracle E-Delivery` and use the following information to select the WebLogic Media Pack and Part Numbers for download:

   – Select the Product Pack, Platform and Media Pack.

Product Pack	Oracle Fusion Middleware
Platform	Linux x86
Media Pack	B36233 (Oracle Application Server 10g Release 3 (10.1.3) Media Pack for Linux x86 (32 bit))

   – Select the file for download (choose the Part Number that corresponds to the product, hardware, and JVM).

Product	Hardware	Platform JVM	Part Number (Description)
WebLogic Server	x86	JRockit (32-bit) Sun JDK (32-bit)	V13616 (Oracle WebLogic Server 10gR3 (10.3) Linux x86)
WebLogic Portal	x86	JRockit (32-bit)	V13807 (Oracle WebLogic Portal 10gR3 (10.3) Linux x86)
WebLogic Integration	x86	JRockit (32-bit) Sun JDK (32-bit)	V19639-01 Oracle WebLogic Integration 10gR3 MP1 (10.3.1) for Linux x86 V19642-01 Oracle WebLogic Integration 10gR3 MP1 (10.3.1) Upgrade Installer for Linux x86

    – Unzip the file.

3. Install instructions for x86 with 32-bit JDK

    – Install the WebLogic Products using the directions provided in the *"Using Installers with Filenames Ending in .bin* section of the *Products Installation Guide*.

4. For WebLogic Portal, make sure that your WL_HOME variable is set to the directory in which you installed your product, and export WL_HOME. For example,

```
$ WL_HOME=<your installation directory>/wlserver_10.3
```

WebLogic Platform 10.3 on Red Hat Enterprise Linux 5.0

WebLogic Platform 10.3 on Red Hat Enterprise Linux 4.0

This section provides the following information:

- Configuration Requirements

- Known Issues

- Download and Install Instructions

Related Information

- For information about supported database configurations, Web servers, browsers, interoperability tools, and product support, see:

  - Supported Configurations for WebLogic Platform 10.3

- For support and installation information for Oracle JRockit:

  - For support information, see Welcome to JRockit

  - For download information, see Oracle E-Delivery or Oracle Technology Network.

- For support and download information for suported Sun JDKs, see http://java.sun.com.

- For information about Red Hat Enterprise Linux, see the following Red Hat Web site:

  http://www.redhat.com

- For information about Azul JVM, see

http://www.azulsystems.com/services/software_documents.htm

Configuration Requirements

The following section provides requirements for products supported on this configuration:

- Requirements for Red Hat Enterprise Linux 4.0 on x86

- Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon with 32-bit JDK

- Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon with 64-bit JDK

- Requirements for Red Hat Enterprise Linux 4.0 on x86, AMD64, 64-bit Xeon with Azul VM

Table 2-1 Requirements for Red Hat Enterprise Linux 4.0 on x86

Operating System Version and Patches	Red Hat Enterprise Linux 4.0 AS, ES, WS and any dot release higher than dot zero (or later updates) in RHEL 4 are supported. For example, RHEL 4.3 is supported.
	Note: Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	x86 (1.201 GHz)
JDK	JRockit 6.0 (R27.6.0-50) JDK (32-bit) and all later 6.0 releases of JRockit
	Sun Java 2 JDK 6.0 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 6.0 (version 1.6.0_05)
RAM	1 GB minimum, 2 GB recommended
Performance Pack	`server/native/linux/i686/libmuxer.so`

Table 2-1 Requirements for Red Hat Enterprise Linux 4.0 on x86

Product Support	• WebLogic Server 10.3 • WebLogic Portal 10.3 (Supports JRockit only) • WebLogic Integration 10.3, WebLogic Integration 10.3.1 • Workshop for WebLogic 10.3 (Runtime)
Design and Development Tools	Workshop for WebLogic 10.3 (IDE) on Sun Java 2 JDK 6.0: Supported.

Table 2-2 Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon with 32-bit JDK

Operating System Version and Patches	Red Hat Enterprise Linux release 4.3 and any dot release higher than dot three (or later updates) in RHEL 4 are supported. For example, RHEL 4.4 is supported.
	Note: Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• AMD64 (1.201 GHz) • 64-bit Xeon (1.201 GHz)
JDK	JRockit 6.0 (R27.6.0-50) JDK (32-bit) and all later 6.0 releases of JRockit
	Sun Java 2 JDK 6.0 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 6.0 (version 1.6.0_05)
RAM	1 GB minimum
Performance Pack	`server/native/linux/i686/libmuxer.so`
Product Support	• WebLogic Server 10.3 • WebLogic Portal 10.3 (Supports JRockit only) • WebLogic Integration 10.3, WebLogic Integration 10.3.1 • Workshop for WebLogic 10.3 (Runtime)

Table 2-3 Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon with 64-bit JDK

Operating System Version and Patches	Red Hat Enterprise Linux release 4.3 and any dot release higher than dot three (or later updates) in RHEL 4 are supported. For example, RHEL 4.4 is supported.
	Note: Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• AMD64 (1.201 GHz) • 64-bit Xeon (1.201 GHz)
JDK	JRockit 6.0 (R27.6.0-50) JDK (64-bit) and all later 6.0 releases of JRockit
	Sun Java 2 JDK 6.0 with the Java HotSpot™ Client and Server VMs (64-bit) and all later service packs of 6.0 (version 1.6.0_05)
RAM	1 GB minimum
Performance Pack	`server/native/linux/x86_64/libmuxer.so`
Product Support	• WebLogic Server 10.3 • WebLogic Portal 10.3 (Supports JRockit only) • WebLogic Integration 10.3, WebLogic Integration 10.3.1 • Workshop for WebLogic 10.3 (Runtime)

Table 2-4 Requirements for Red Hat Enterprise Linux 4.0 on x86, AMD64, 64-bit Xeon with Azul VM

Operating System Version and Patches	Red Hat Enterprise Linux 4.0 AS, ES, WS and any dot release higher than dot zero (or later updates) in RHEL 4 are supported. For example, RHEL 4.3 is supported.
	Note: Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• x86 (1.201 GHz) • AMD64 (1.201 GHz) • 64-bit Xeon (1.201 GHz)
JDK	Azul JVM 1.6 (AVM 2.5.0.2)
RAM	1 GB minimum, 2 GB recommended
Product Support	• WebLogic Server 10.3 • WebLogic Portal 10.3

Known Issues

- Doing a Complete Install With a Generic Installer

- Serial Version UID Mismatch

- JVM Stack Overflow

- Issues Related to WebLogic Integration 10.3 Using 64-bit JDK

- Issues Related to Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon when Using Remote Autonomy

- Issues Related to Other Products

Doing a Complete Install With a Generic Installer

If you are performing a complete install of a WebLogic product (e.g. WebLogic Server, WebLogic Portal, WebLogic Integration) by using the generic installer (.jar) on a platform where Eclipse is not supported or not installed, you might encounter a situation where the generic

installer will go into a repeated loop condition. If you are experiencing this condition refer to the *Installation Guide,* specifically the "Install Eclipse Location Options" section for more information on how to handle the installation.

Serial Version UID Mismatch

A Serial Version UID Mismatch Issue may be encountered if you deploy an application on a latest JVM, but compiled with an earlier JDK release.

Workaround: To be compatible with the serialization of previously compiled applications, modify the `<BEA_HOME>/wlserver_10.3/common/bin/commEnv.sh` file to include the following command:

```
JAVA_OPTIONS="$JAVA_OPTIONS -Dcom.sun.xml.namespace.QName.useCompatible
SerialVersionUID=1.0"
```

Alternatively, you can use the command line option:

```
export JAVA_OPTIONS="$JAVA_OPTIONS -Dcom.sun.xml.namespace.QName.useCom
patibleSerialVersionUID=1.0"
```

Note: If you intend to deploy new applications with previously compiled applications, they must be recompiled as necessary to have the same Serial Version UID.

JVM Stack Overflow

You might encounter a JVM stack overflow error or exception while running WebLogic Server.

Workaround: Increase the stack size from the default 128k to 256k.

Issues Related to WebLogic Integration 10.3 Using 64-bit JDK

1. When you install WebLogic Integration 10.3, you might get the following Exception during installation:

```
"Creating Domains...

Exception in thread "Thread-38" java.lang.OutOfMemoryError: Java heap
space

        at java.util.Arrays.copyOf(Arrays.java:2882)

        at
java.lang.AbstractStringBuilder.expandCapacity(AbstractStringBuilder.ja
va:100)
```

```
        at
java.lang.AbstractStringBuilder.append(AbstractStringBuilder.java:390)

        at java.lang.StringBuffer.append(StringBuffer.java:224)

        at
com.bea.plateng.domain.security.LDIFTMerger.getMergedResultStr(LDIFTMer
ger.java:108)

        at
com.bea.plateng.domain.security.SecurityHelper.mergeAuthorizerLDIFTFile
s(SecurityHelper.java:1489)

        at
com.bea.plateng.domain.security.SecurityHelper.mergeAuthorizer(Security
Helper.java:1466)

    at
com.bea.plateng.domain.TemplateImporter.generate(TemplateImporter.java:
340)

        at
com.bea.plateng.domain.script.ScriptExecutor$2.run(ScriptExecutor.java:
2785)
```

This problem occurs when you use the 64-bit Sun JDK or 64-bit JRockit.

Workaround:

You will need to increase the heap size by doing the following:

```
java -Xms512m -Xmx1024m  -jar wli10gR3_generic.jar
```

2. When the Medrec server goes into run mode and you try accessing the admin console for this Medrec server, you may get the following Exception:

"`<Error> <netuix> <BEA-423341> <An exception was thrown while trying to map the tag [ lookAndFeel ] : [ java.lang.Throwable ].`

```
java.lang.Throwable

        at
com.bea.netuix.nf.factories.TagClassMap$NamespaceTagnameMap.getClass(Ta
gClassMap.java:189)

        at
com.bea.netuix.nf.factories.TagClassMap.getClass(TagClassMap.java:88)

        at
com.bea.netuix.nf.factories.ControlTreeFactoryBuilder$CustomDefaultHand
ler.startElement(ControlTreeFactoryBuilder.java:398)
```

```
        at
com.sun.org.apache.xerces.internal.parsers.AbstractSAXParser.startEleme
nt(AbstractSAXParser.java:501)
        at
com.sun.org.apache.xerces.internal.impl.XMLNSDocumentScannerImpl.scanSt
artElement(XMLNSDocumentScannerImpl.java:400)
        Truncated. see log file for complete stacktrace
```

An exception can also be thrown when you try to stop the server. You get an "OutOfMemoryexception".

This problem occurs when you have the 64-bit Sun JDK installed.

Workaround:

In the setDomainEnv.sh file, increase MaxPermSize to 256. With this change, the server can start up and you can access the Admin Console without getting the above exception. The server can also shutdown gracefully.

Issues Related to Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon when Using Remote Autonomy

See Using a Remote Autonomy Installation in *Supported Configurations for* WebLogic Platform 10.3.

Issues Related to Other Products

For information about known issues with products supported on this configuration, including available workarounds, see the appropriate *Release Notes* document.

Issues related to...	Are described in...
WebLogic Server	*WebLogic Server Known and Resolved Issues:* http://download.oracle.com/docs/cd/E12840_01/wls/docs103/issues/index.html
WebLogic Portal	*WebLogic Portal Release Notes*: http://download.oracle.com/docs/cd/E13155_01/wlp/docs103/relnotes/index.html

WebLogic Integration	*WebLogic Integration Release Notes*: `http://download.oracle.com/docs/cd/E13160_01/wli/docs10gr3/relnotes/index.html`
Workshop for WebLogic	*Workshop for WebLogic Release Notes*: `http://e-docs.bea.com/wlw/docs103/relnotes/index.html`

Download and Install Instructions

You can download Oracle WebLogic products from either the *Oracle Technology Network* website or the *Oracle E-Delivery* website.

- "Download and Install Instructions for RHEL 4 on AMD64/64-bit Xeon" on page 2-9

- "Download and Install Instructions for RHEL 4 on x86" on page 2-12

- Oracle WebLogic Integration 10gR3 (10.3.1) installers (32-bit) for Linux, Windows and Solaris are available on Oracle Technology Network (OTN) for Oracle WebLogic Integration.

Download and Install Instructions for RHEL 4 on AMD64/64-bit Xeon

1. Download and install the supported JDK for your environment.

2. Go to `Oracle E-Delivery` and use the following information to select the WebLogic Media Pack and Part Numbers for download:

   – Select the Product Pack, Platform and Media Pack.

Product Pack	Oracle Fusion Middleware
Platform	Linux x86
Media Pack	B36233 (Oracle Application Server 10g Release 3 (10.1.3) Media Pack for Linux x86 (32 bit))

– Select the file for download (choose the Part Number that corresponds to the product, hardware, and JVM).

Product	Hardware	Platform JVM	Part Number (Description)
WebLogic Server	64-bit Xeon 64-bit AMD64	JRockit (32-bit) Sun JDK (32-bit) Azul JVM (32-bit)	V13616 (Oracle WebLogic Server 10gR3 (10.3) Linux x86)
WebLogic Server	64-bit Xeon 64-bit AMD64	JRockit (64-bit) Sun JDK (64-bit) Azul JVM (64-bit)	V13672 (Oracle WebLogic Server 10gR3 (10.3)"generic")
WebLogic Portal	64-bit Xeon 64-bit AMD64	JRockit (32-bit) Azul JVM (32-bit)	V13807 (Oracle WebLogic Portal 10gR3 (10.3) Linux x86)
WebLogic Portal	64-bit Xeon 64-bit AMD64	JRockit (64-bit) Azul JVM (64-bit)	V14087 (Oracle WebLogic Portal 10gR3 (10.3) "generic")

WebLogic Integration	64-bit Xeon 64-bit AMD64	JRockit (32-bit) Sun JDK (32-bit)	V19639-01 Oracle WebLogic Integration 10gR3 MP1 (10.3.1) for Linux x86
			V19642-01 Oracle WebLogic Integration 10gR3 MP1 (10.3.1) Upgrade Installer for Linux x86
WebLogic Integration	64-bit Xeon 64-bit AMD64	JRockit (64-bit) Sun JDK (64-bit)	V19187-01 (Oracle WebLogic Integration 10gR3 (10.3.1) Generic Installer)
			V19643-01 (Oracle WebLogic Integration 10gR3 MP1 (10.3.1) Upgrade Installer (Generic))
			Note: The Generic installer can be used for different platforms. It is possible that the part number for the generic installer may not be in the Media pack of some platforms. If so, the generic installer can be found in Media Pack B36339 (Oracle Application Server 10gR3 Media Pack for HP-UX Itanium (64-bit)).

   – Unzip the file.

3. Install Instructions for Red Hat Enterprise Linux on 64-bit Xeon/AMD64 with 32-bit JDK

   – Install the WebLogic Products using the directions provided in the *"Using Installers with Filenames Ending in .bin* section of the *Products Installation Guide*.

4. Install Instructions for Red Hat Enterprise Linux on 64-bit Xeon/AMD64 with 64-bit JDK

– Make sure that your `PATH` variable includes `$JAVA_HOME/bin` where `JAVA_HOME` is the installation path for the JDK. For example:

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

– Install the WebLogic Products using the directions provided in the *"Using Installers with Filenames Ending in .jar* section of the *Products Installation Guide*.

5. For WebLogic Portal, make sure that your WL_HOME variable is set to the directory in which you installed your product, and export WL_HOME. For example,

```
$ WL_HOME=<your installation directory>/wlserver_10.3
```

Download and Install Instructions for RHEL 4 on x86

1. Download and install the supported JDK for your environment.

2. Go to `Oracle E-Delivery` and use the following information to select the WebLogic Media Pack and Part Numbers for download:

   – Select the Product Pack, Platform and Media Pack.

Product Pack	Oracle Fusion Middleware
Platform	Linux x86
Media Pack	B36233 (Oracle Application Server 10g Release 3 (10.1.3) Media Pack for Linux x86 (32 bit))

– Select the file for download (choose the Part Number that corresponds to the product, hardware, and JVM).

Product	Hardware	Platform JVM	Part Number (Description)
WebLogic Server	x86	JRockit (32-bit) Sun JDK (32-bit)	V13616 (Oracle WebLogic Server 10gR3 (10.3) Linux x86)

WebLogic Portal	x86	JRockit (32-bit)	V13807 (Oracle WebLogic Portal 10gR3 (10.3) Linux x86)
WebLogic Integration	x86	JRockit (32-bit) Sun JDK (32-bit)	V19639-01 Oracle WebLogic Integration 10gR3 MP1 (10.3.1) for Linux x86
			V19642-01 Oracle WebLogic Integration 10gR3 MP1 (10.3.1) Upgrade Installer for Linux x86

    – Unzip the file.

3. Install Instructions for Red Hat Enterprise Linux on x86 with 32-bit JDK

    – Install the WebLogic Products using the directions provided in the *"Using Installers with Filenames Ending in .bin* section of the *Products Installation Guide*.

4. For WebLogic Portal, make sure that your WL_HOME variable is set to the directory in which you installed your product, and export WL_HOME. For example,

```
$ WL_HOME=<your installation directory>/wlserver_10.3
```

WebLogic Platform 10.3 on Red Hat Enterprise Linux 4.0

WebLogic Platform 10.2 on Red Hat Enterprise Linux 5.0

This section provides the following information:

- Configuration Requirements

- Known Issues

- Download and Install Instructions for WebLogic Platform 10.2 MP1

- Download and Install Instructions for WebLogic Platform 10.2

Related Information

- For information about supported database configurations, Web servers, browsers, interoperability tools, and product support, see:

    – Supported Configurations for WebLogic Platform 10.2 and 10.2 MP1

- For information about Red Hat Enterprise Linux, see the following Red Hat Web site:

    `http://www.redhat.com`

Configuration Requirements

- Requirements for Red Hat Enterprise Linux 5.0 on x86

- Requirements for Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon with 32-bit JDK

- Requirements for Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon with 64-bit JDK

- Requirements for Red Hat Enterprise Linux 5.0 on Itanium with 64-bit JDK

The following section provides requirements for products supported on this configuration:

Table 3-1 Requirements for Red Hat Enterprise Linux 5.0 on x86

Operating System Version and Patches	Red Hat Enterprise Linux Server release 5 (Tikanga) and any dot release higher than dot zero (or later updates) in RHEL 5 are supported. For example, RHEL 5.1 and RHEL 5.4 are supported.
	Note: Red Hat Enterprise Linux 5.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 5.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	x86 (400 MHz)
JDK	• 10.2: JRockit 5.0 (R27.3.1+CR344434) JDK (32-bit) and all later 5.0 releases of JRockit • 10.2 MP1 JRockit 5.0 (R27.6.1) JDK (32-bit) and all later 5.0 releases of JRockit
	Sun Java 2 JDK 5.0 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 5.0 (version 1.5.0_11)
RAM	1 GB minimum, 2 GB recommended
Performance Pack	`server/native/linux/i686/libmuxer.so`
Product Support	• WebLogic Server 10.0 MP1, 10.0 MP2 • WebLogic Portal 10.2, 10.2 MP1 • WebLogic Integration 10.2, 10.2 MP1 • WebLogic Platform 10.2 MP1 • Workshop for WebLogic 10.2, 10.2 MP1 (Runtime)
Design and Development Tools	Workshop for WebLogic 10.2, 10.2 MP1 (IDE) on Sun Java JDK 5.0: Not supported.

Table 3-2 Requirements for Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon with 32-bit JDK

Operating System Version and Patches	Red Hat Enterprise Linux Server release 5 (Tikanga) and any dot release higher than dot zero (or later updates) in RHEL 5 are supported. For example, RHEL 5.1 and RHEL 5.4 are supported.
	Note: Red Hat Enterprise Linux 5.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 5.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• AMD64 (1.201 GHz) • 64-bit Xeon (1.201 GHz)
JDK	• 10.2: JRockit 5.0 R27.3.1 JDK (64bit) and all later 5.0 releases of JRockit • 10.2 MP1: JRockit 5.0 R27.6.1 JDK (64bit) and all later 5.0 releases of JRockit
	Sun Java 2 JDK 5.0 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 5.0 (version 1.5.0_11)
RAM	1 GB minimum
Performance Pack	`server/native/linux/i686/libmuxer.so`
Product Support	• WebLogic Server 10.0 MP1, 10.0 MP2 • WebLogic Portal 10.2, 10.2 MP1 • WebLogic Integration 10.2, 10.2 MP1 • WebLogic Platform 10.2 MP1

Table 3-3 Requirements for Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon with 64-bit JDK

Operating System Version and Patches	Red Hat Enterprise Linux Server release 5 (Tikanga) and any dot release higher than dot zero (or later updates) in RHEL 5 are supported. For example, RHEL 5.1 and RHEL 5.4 are supported.
	Note: Red Hat Enterprise Linux 5.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 5.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• AMD64 (1.201 GHz) • 64-bit Xeon (1.201 GHz)
JDK	• JRockit 5.0 R27.3.1 JDK (64-bit) and all later 5.0 releases of JRockit • JRockit 5.0 R27.6.1 JDK (64-bit) and all later 5.0 releases of JRockit
	Sun Java 2 JDK 5.0 with the Java HotSpot™ Client and Server VMs (64-bit) and all later service packs of 5.0 (version 1.5.0_11)
RAM	1 GB minimum
Performance Pack	`server/native/linux/x86_64/libmuxer.so`
Product Support	• WebLogic Server 10.0 MP1, 10.0 MP2 • WebLogic Portal 10.2, 10.2 MP1 • WebLogic Integration 10.2, 10.2 MP1 • WebLogic Platform 10.2 MP1

Table 3-4 Requirements for Red Hat Enterprise Linux 5.0 on Itanium with 64-bit JDK

Operating System Version and Patches	Red Hat Enterprise Linux Server release 5 (Tikanga) and any dot release higher than dot zero (or later updates) in RHEL 5 are supported. For example, RHEL 5.1 and RHEL 5.4 are supported.
	Note: Red Hat Enterprise Linux 5.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 5.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• Itanium (1.5GHz)
JDK	10.2 MP1: JRockit 5.0 R27.6.1 JDK (64bit) and all later 5.0 releases of JRockit
RAM	1 GB minimum
Performance Pack	`server/native/linux/ia64/libmuxer.so`
Product Support	• WebLogic Server 10.0 MP2 • WebLogic Portal 10.2 MP1 • WebLogic Integration 10.2 MP1 • WebLogic Platform 10.2 MP1

Known Issues

- Serial Version UID Mismatch
- Issues Related to Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon
- Issues Related to Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon when Using Remote Autonomy
- Issues Related to Other Products

Serial Version UID Mismatch

A Serial Version UID Mismatch Issue may be encountered if you deploy an application on a latest JVM, but compiled with an earlier JDK release.

Workaround: To be compatible with the serialization of previously compiled applications, modify the `<BEA_HOME>`/wlserver_10.0/common/bin/commEnv.sh file to include the following command:

```
JAVA_OPTIONS="$JAVA_OPTIONS -Dcom.sun.xml.namespace.QName.useCompatible
SerialVersionUID=1.0"
```

Note: If you intend to deploy new applications with previously compiled applications, they must be recompiled as necessary to have the same Serial Version UID.

Issues Related to Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon

This section describes known issues that occur when you run WebLogic Server 10.2 on Red Had Enterprise Linux 5.0 systems based on the AMD64 and 64-bit Xeon chip architecture.

JVM Stack Overflow

You might encounter a JVM stack overflow error or exception while running WebLogic Server.

Workaround: Increase the stack size from the default 128k to 256k.

Exception Encountered on Systems with Mounted NFS File Systems

You might encounter the following exception while installing WebLogic Server and WebLogic Portal on a system that has NFS file systems mounted:

```
"Caused by: java.lang.IllegalArgumentException: Can not list file system
roots on this computer"
```

Workaround: Ensure that you have at least 600MB of free disk space before installing WebLogic Server and use the `-Dspace.detection=false` flag while installing. For example:

```
java -Dspace.detection=false -jar server100_generic.jar -mode=console
```

Issues Related to Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon when Using Remote Autonomy

See Using a Remote Autonomy Installation in *Supported Configurations for* WebLogic Platform 10.2.

Issues Related to Other Products

For information about known issues with products supported on this configuration, including available workarounds, see the appropriate *Release Notes* document.

Issues related to...	Are described in...
WebLogic Server	*WebLogic Server Known and Resolved Issues:* http://e-docs.bea.com/wls/docs100/issues/known_resolved.html
WebLogic Portal	*WebLogic Portal Release Notes*: http://e-docs.bea.com/wlp/docs102/relnotes/index.html
WebLogic Integration	*WebLogic Integration Release Notes*: http://e-docs.bea.com/wli/docs102/relnotes/index.html
Workshop for WebLogic	*Workshop for WebLogic Release Notes*: http://e-docs.bea.com/wlw/docs102/relnotes/index.html

Download and Install Instructions for WebLogic Platform 10.2 MP1

- Download and Install WebLogic Media Pack for Linux x86

- Download and Install WebLogic Media Pack for Linux x86-64
- Download and Install WebLogic Media Pack for Linux Itanium

Download and Install WebLogic Media Pack for Linux x86

1. Go to `Oracle E-Delivery` and use the following information to select the WebLogic Media Pack and Part Numbers for download:

   – Select the Product Pack, Platform and Media Pack.

Product Pack	Oracle BEA
Platform	Linux x86
Media Pack	BEA WebLogic Media Pack v4 for Linux x86

   – Select the file for download (choose the Part Number that corresponds to the product, platform, and JVM).

Product	Part Number (Description)
WebLogic Server	V16486-01 (WebLogic Server 10.0 Maintenance Pack 2 (10.0.2.0) for Linux x86 (32-bit))
WebLogic Server	V16563-01 (WebLogic Server Process Edition 10.0 Maintenance Pack 2 (10.0.2.0) for Linux x86 (32-bit))
WebLogic Portal	V16565-01 (WebLogic Portal 10.2 Maintenance Pack 1 (10.2.1.0) for Linux x86 (32-bit))
WebLogic Integration	V16564-01 (WebLogic Integration 10.2 Maintenance Pack 1 (10.2.1.0) for Linux x86 (32-bit))
Workshop for WebLogic	V16566-01 (Workshop for WebLogic 10.2 Maintenance Pack 1 (10.2.1.0) for Linux x86 (32-bit)
WebLogic Platform	V16450-01 (WebLogic Platform 10.2 Maintenance Pack 1 (10.2.1.0) for Linux x86 (32-bit))
WebLogic Platform ISV	V16567-01 (WebLogic Platform ISV 10.2 Maintenance Pack 1 (10.2.1.0) for Linux x86 (32-bit))

2. Install the WebLogic Products using the directions provided in the BEA Products Installation Guide.

    Refer to http://e-docs.bea.com/common/docs102/install/start.html for instructions on how to start the `.jar` or `.bin` or.`exe` installer files. Note, that generic installers are those filenames that end in `.jar`.

Download and Install WebLogic Media Pack for Linux x86-64

1. Download and install the supported JDK for your environment.

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

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

3. Go to `Oracle E-Delivery` and use the following information to select the WebLogic Media Pack and Part Numbers for download:

    – Select the Product Pack, Platform and Media Pack.

Product Pack	Oracle BEA
Platform	Linux x86-64
Media Pack	BEA WebLogic Media Pack v4 for Linux x86-64

    – Select the file for download (choose the Part Number that corresponds to the product, platform, and JVM).

Product	Part Number (Description)
WebLogic Server	V16540-01 (WebLogic Server 10.0 Maintenance Pack 2 (10.0.2.0)
WebLogic Portal	V16543-01 (WebLogic Portal 10.2 Maintenance Pack 1 (10.2.1.0)
WebLogic Integration	V16542-01 (WebLogic Integration 10.2 Maintenance Pack 1 (10.2.1.0)
WebLogic Platform	V16541-01 (WebLogic Platform 10.2 Maintenance Pack 1 (10.2.1.0)
WebLogic Platform ISV	V16544-01 (WebLogic Platform ISV 10.2 Maintenance Pack 1 (10.2.1.0)

4. Install the WebLogic Products using the directions provided in the BEA Products Installation Guide.

   Refer to http://e-docs.bea.com/common/docs102/install/start.html for instructions on how to start the `.jar` or `.bin` or `.exe` installer files. Note, that generic installers are those filenames that end in `.jar`.

   If your configuration includes the 64-bit version of the JDK, your installation is now complete. If your configuration includes the 32-bit version, however, you must also complete the following steps:

5. Set the `BEA_HOME` to point to the directory in which WebLogic Server is installed and export `BEA_HOME`. For example:

   ```
   export BEA_HOME=<your_WebLogic_Server_installation_directory>
   ```

6. In a text editor, open the `$BEA_HOME/wlserver_10.0/common/bin/commEnv.sh` and search for the following case statement:

   ```
   LINUX|Linux)
   arch='uname -m'
   ```

   Replace with the following:

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

Download and Install WebLogic Media Pack for Linux Itanium

1. Go to `Oracle E-Delivery` and use the following information to select the WebLogic Media Pack and Part Numbers for download:

   – Select the Product Pack, Platform and Media Pack.

Product Pack	Oracle BEA
Platform	Linux Itanium
Media Pack	BEA WebLogic Media Pack v4 for Linux Itanium

– Select the file for download (choose the Part Number that corresponds to the product, platform, and JVM).

Product	Part Number (Description)
WebLogic Server	V16487-01 (WebLogic Server 10.0 Maintenance Pack 2 (10.0.2.0) for Linux Itanium
WebLogic Portal	V16569-01 (WebLogic Portal 10.2 Maintenance Pack 1 (10.2.1.0) for Linux Itanium
WebLogic Integration	V16568-01 (WebLogic Integration 10.2 Maintenance Pack 1 (10.2.1.0) for Linux Itanium
WebLogic Platform	V16454-01 (WebLogic Platform 10.2 Maintenance Pack 1 (10.2.1.0) for Linux Itanium
WebLogic Platform ISV	V16570-01 (WebLogic Platform ISV 10.2 Maintenance Pack 1 (10.2.1.0) for Linux Itanium

2. Install the WebLogic Products using the directions provided in the BEA Products Installation Guide.

   Refer to http://e-docs.bea.com/common/docs102/install/start.html for instructions on how to start the .jar or .bin or.exe installer files. Note, that generic installers are those filenames that end in .jar.

Download and Install Instructions for WebLogic Platform 10.2

Red Hat Enterprise Linux 5.0 on x86

Complete the following procedure:

1. Go to Oracle Technology Network or Oracle E-Delivery and download WebLogic Platform for Red Hat Enterprise Linux.

> **Note:** For important information on how to download BEA products refer to My Oracle Support Note 762254.1 and My Oracle Support Note 763603.1.

2. Install the product using the *Installation Guide*.

Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon

To install WebLogic Platform 10.2:

1. Go to `Oracle Technology Network` or `Oracle E-Delivery` and download WebLogic Platform for Red Hat Enterprise Linux.

   > **Note:** For important information on how to download BEA products refer to My Oracle Support Note 762254.1 and My Oracle Support Note 763603.1.

2. Install using the instructions provided in the "Using Installers with Filenames Ending in .jar" section of the *Installation Guide*.

   If your configuration includes the 64-bit version of the JDK, your installation is now complete. If your configuration includes the 32-bit version, however, you must also complete the following steps:

3. Set the BEA_HOME to point to the directory in which WebLogic Server is installed and export BEA_HOME. For example:

   ```
   export BEA_HOME=<your_WebLogic_Server_installation_directory>
   ```

4. In a text editor, open the `$BEA_HOME/wlserver_10.0/common/bin/commEnv.sh` and search for the following case statement:

```
LINUX|Linux)
arch='uname -m'
```

Replace with the following:

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

WebLogic Platform 10.2 on Red Hat Enterprise Linux 4.0

This section provides the following information:

- Configuration Requirements

- Known Issues

- Download and Install Instructions for WebLogic Platform 10.2 MP1

- Download and Install Instructions for WebLogic Platform 10.2

Related Information

- For information about supported database configurations, Web servers, browsers, interoperability tools, and product support, see:

    – Supported Configurations for WebLogic Platform 10.2 and 10.2 MP1

- For information about Red Hat Enterprise Linux, see the following Red Hat Web site:

    `http://www.redhat.com`

Configuration Requirements

- Requirements for Red Hat Enterprise Linux 4.0 on x86

- Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon with 32-bit JDK

- Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon with 64-bit JDK

- Requirements for Red Hat Enterprise Linux 4.0 on Itanium with 64-bit JDK

The following section provides requirements for products supported on this configuration:

Table 4-1 Requirements for Red Hat Enterprise Linux 4.0 on x86

Operating System Version and Patches	Red Hat Enterprise Linux 4.0 AS, ES, WS and any dot release higher than dot zero (or later updates) in RHEL 4 are supported. For example, RHEL 4.3 is supported.
	Note: Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	x86 (400 MHz)
JDK	• 10.2: JRockit 5.0 (R27.3.1+CR344434) JDK (32-bit) and all later 5.0 releases of JRockit • 10.2 MP1: JRockit 5.0 (R27.6.1) JDK (32-bit) and all later 5.0 releases of JRockit
	Sun Java JDK 5.0 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 5.0 (version 1.5.0_11)
RAM	1 GB minimum, 2 GB recommended
Performance Pack	`server/native/linux/i686/libmuxer.so`
Product Support	• WebLogic Server 10.0 MP1, 10.0 MP2 • WebLogic Portal 10.2, 10.2 MP1 • WebLogic Integration 10.2, 10.2 MP1 • Workshop for WebLogic 10.2, 10.2 MP1 (Runtime) • WebLogic Platform 10.2 MP1
Design and Development Tools	Workshop for WebLogic 10.2, 10.2 MP1 (IDE) on Sun Java JDK 5.0: Supported.

Table 4-2 Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon with 32-bit JDK

Operating System Version and Patches	Red Hat Enterprise Linux release 4.3 and any dot release higher than dot three (or later updates) in RHEL 4 are supported. For example, RHEL 4.4 is supported.
	Note: Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• AMD64 (1.201 GHz) • 64-bit Xeon (1.201 GHz)
JDK	• 10.2: JRockit 5.0 R27.3.1 JDK (32-bit) and all later 5.0 releases of JRockit • 10.2 MP1: JRockit 5.0 R27.6.1 JDK (32-bit) and all later 5.0 releases of JRockit
	Sun Java JDK 5.0 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 5.0 (version 1.5.0_11)
RAM	1 GB minimum
Performance Pack	`server/native/linux/i686/libmuxer.so`
Product Support	• WebLogic Server 10.0 MP1, 10.0 MP2 • WebLogic Portal 10.2, 10.2 MP1 • WebLogic Integration 10.2, 10.2 MP1 • WebLogic Platform 10.2 MP1

Table 4-3 Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon with 64-bit JDK

Operating System Version and Patches	Red Hat Enterprise Linux release 4.3 and any dot release higher than dot three (or later updates) in RHEL 4 are supported. For example, RHEL 4.4 is supported.
	Note: Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• AMD64 (1.201 GHz) • 64-bit Xeon (1.201 GHz)
JDK	• JRockit 5.0 R27.3.1 JDK (64-bit) and all later 5.0 releases of JRockit • JRockit 5.0 R27.6.1 JDK (64-bit) and all later 5.0 releases of JRockit Sun Java JDK 5.0 with the Java HotSpot™ Client and Server VMs (64-bit) and all later service packs of 5.0 (version 1.5.0_11)
RAM	1 GB minimum
Performance Pack	`server/native/linux/x86_64/libmuxer.so`
Product Support	• WebLogic Server 10.0 MP1, 10.0 MP2 • WebLogic Portal 10.2, 10.2 MP1 • WebLogic Integration 10.2, 10.2 MP1 • WebLogic Platform 10.2 MP1

Table 4-4 Requirements for Red Hat Enterprise Linux 4.0 on Itanium with 64-bit JDK

Operating System Version and Patches	Red Hat Enterprise Linux release 4.3 and any dot release higher than dot three (or later updates) in RHEL 4 are supported. For example, RHEL 4.4 is supported.
	Note: Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• Itanium (1.5GHz)
JDK	10.2 MP1: JRockit 5.0 R27.6.1 JDK (64bit) and all later 5.0 releases of JRockit
RAM	1 GB minimum
Performance Pack	`server/native/linux/ia64/libmuxer.so`
Product Support	• WebLogic Server 10.0 MP2 • WebLogic Portal 10.2 MP1 • WebLogic Integration 10.2 MP1 • WebLogic Platform 10.2 MP1

Known Issues

- Serial Version UID Mismatch
- Issues Related to Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon
- Issues Related to Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon when Using Remote Autonomy
- Issues Related to Other Products

Serial Version UID Mismatch

A Serial Version UID Mismatch Issue may be encountered if you deploy an application on a latest JVM, but compiled with an earlier JDK release.

Workaround: To be compatible with the serialization of previously compiled applications, modify the `<BEA_HOME>/wlserver_10.0/common/bin/commEnv.sh` file to include the following command:

```
JAVA_OPTIONS="$JAVA_OPTIONS -Dcom.sun.xml.namespace.QName.useCompatible
SerialVersionUID=1.0"
```

Note: If you intend to deploy new applications with previously compiled applications, they must be recompiled as necessary to have the same Serial Version UID.

Issues Related to Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon

This section describes known issues that occur when you run WebLogic Server 10.2 on Red Had Enterprise Linux 5.0 systems based on the AMD64 and 64-bit Xeon chip architecture.

JVM Stack Overflow

You might encounter a JVM stack overflow error or exception while running WebLogic Server.

Workaround: Increase the stack size from the default 128k to 256k.

Exception Encountered on Systems with Mounted NFS File Systems

You might encounter the following exception while installing WebLogic Server and WebLogic Portal on a system that has NFS file systems mounted:

```
"Caused by: java.lang.IllegalArgumentException: Can not list file system
roots on this computer"
```

Workaround: Ensure that you have at least 600MB of free disk space before installing WebLogic Server and use the `-Dspace.detection=false` flag while installing. For example:

```
java -Dspace.detection=false -jar server100_generic.jar -mode=console
```

Issues Related to Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon when Using Remote Autonomy

See Using a Remote Autonomy Installation in *Supported Configurations for* WebLogic Platform 10.2.

Issues Related to Other Products

For information about known issues with products supported on this configuration, including available workarounds, see the appropriate *Release Notes* document.

Issues related to...	Are described in...
WebLogic Server	*WebLogic Server Known and Resolved Issues:*
	http://e-docs.bea.com/wls/docs100/issues/known_resolved.html
WebLogic Portal	*WebLogic Portal Release Notes*:
	http://e-docs.bea.com/wlp/docs102/relnotes/index.html
WebLogic Integration	*WebLogic Integration Release Notes*:
	http://e-docs.bea.com/wli/docs102/relnotes/index.html
Workshop for WebLogic	*Workshop for WebLogic Release Notes*:
	http://e-docs.bea.com/wlw/docs102/relnotes/index.html

Download and Install Instructions for WebLogic Platform 10.2 MP1

- Download and Install WebLogic Media Pack for Linux x86
- Download and Install WebLogic Media Pack for Linux x86-64

● Download and Install WebLogic Media Pack for Linux Itanium

Download and Install WebLogic Media Pack for Linux x86

1. Go to `Oracle E-Delivery` and use the following information to select the WebLogic Media Pack and Part Numbers for download:

   – Select the Product Pack, Platform and Media Pack.

Product Pack	Oracle BEA
Platform	Linux x86
Media Pack	BEA WebLogic Media Pack v4 for Linux x86

   – Select the file for download (choose the Part Number that corresponds to the product, platform, and JVM).

Product	Part Number (Description)
WebLogic Server	V16486-01 (WebLogic Server 10.0 Maintenance Pack 2 (10.0.2.0) for Linux x86 (32-bit))
WebLogic Server	V16563-01 (WebLogic Server Process Edition 10.0 Maintenance Pack 2 (10.0.2.0) for Linux x86 (32-bit))
WebLogic Portal	V16565-01 (WebLogic Portal 10.2 Maintenance Pack 1 (10.2.1.0) for Linux x86 (32-bit))
WebLogic Integration	V16564-01 (WebLogic Integration 10.2 Maintenance Pack 1 (10.2.1.0) for Linux x86 (32-bit))
Workshop for WebLogic	V16566-01 (Workshop for WebLogic 10.2 Maintenance Pack 1 (10.2.1.0) for Linux x86 (32-bit)
WebLogic Platform	V16450-01 (WebLogic Platform 10.2 Maintenance Pack 1 (10.2.1.0) for Linux x86 (32-bit))
WebLogic Platform ISV	V16567-01 (WebLogic Platform ISV 10.2 Maintenance Pack 1 (10.2.1.0) for Linux x86 (32-bit))

2. Install the WebLogic Products using the directions provided in the BEA Products Installation Guide.

   Refer to http://e-docs.bea.com/common/docs102/install/start.html for instructions on how to start the `.jar` or `.bin` or `.exe` installer files. Note, that generic installers are those filenames that end in `.jar`.

Download and Install WebLogic Media Pack for Linux x86-64

1. Download and install the supported JDK for your environment.

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

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

3. Go to `Oracle E-Delivery` and use the following information to select the WebLogic Media Pack and Part Numbers for download:

   – Select the Product Pack, Platform and Media Pack.

Product Pack	Oracle BEA
Platform	Linux x86-64
Media Pack	BEA WebLogic Media Pack v4 for Linux x86-64

   – Select the file for download (choose the Part Number that corresponds to the product, platform, and JVM).

Product	Part Number (Description)
WebLogic Server	V16540-01 (WebLogic Server 10.0 Maintenance Pack 2 (10.0.2.0)
WebLogic Portal	V16543-01 (WebLogic Portal 10.2 Maintenance Pack 1 (10.2.1.0)
WebLogic Integration	V16542-01 (WebLogic Integration 10.2 Maintenance Pack 1 (10.2.1.0)
WebLogic Platform	V16541-01 (WebLogic Platform 10.2 Maintenance Pack 1 (10.2.1.0)
WebLogic Platform ISV	V16544-01 (WebLogic Platform ISV 10.2 Maintenance Pack 1 (10.2.1.0)

4. Install the WebLogic Products using the directions provided in the BEA Products Installation Guide.

   Refer to http://e-docs.bea.com/common/docs102/install/start.html for instructions on how to start the `.jar` or `.bin` or `.exe` installer files. Note, that generic installers are those filenames that end in `.jar`.

   If your configuration includes the 64-bit version of the JDK, your installation is now complete. If your configuration includes the 32-bit version, however, you must also complete the following steps:

5. Set the `BEA_HOME` to point to the directory in which WebLogic Server is installed and export `BEA_HOME`. For example:

   ```
   export BEA_HOME=<your_WebLogic_Server_installation_directory>
   ```

6. In a text editor, open the `$BEA_HOME/wlserver_10.0/common/bin/commEnv.sh` and search for the following case statement:

   ```
   LINUX|Linux)
   arch='uname -m'
   ```

   Replace with the following:

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

Download and Install WebLogic Media Pack for Linux Itanium

1. Go to `Oracle E-Delivery` and use the following information to select the WebLogic Media Pack and Part Numbers for download:

   – Select the Product Pack, Platform and Media Pack.

Product Pack	Oracle BEA
Platform	Linux Itanium
Media Pack	BEA WebLogic Media Pack v4 for Linux Itanium

– Select the file for download (choose the Part Number that corresponds to the product, platform, and JVM).

Product	Part Number (Description)
WebLogic Server	V16487-01 (WebLogic Server 10.0 Maintenance Pack 2 (10.0.2.0) for Linux Itanium
WebLogic Portal	V16569-01 (WebLogic Portal 10.2 Maintenance Pack 1 (10.2.1.0) for Linux Itanium
WebLogic Integration	V16568-01 (WebLogic Integration 10.2 Maintenance Pack 1 (10.2.1.0) for Linux Itanium
WebLogic Platform	V16454-01 (WebLogic Platform 10.2 Maintenance Pack 1 (10.2.1.0) for Linux Itanium
WebLogic Platform ISV	V16570-01 (WebLogic Platform ISV 10.2 Maintenance Pack 1 (10.2.1.0) for Linux Itanium

2. Install the WebLogic Products using the directions provided in the BEA Products Installation Guide.

   Refer to http://e-docs.bea.com/common/docs102/install/start.html for instructions on how to start the `.jar` or `.bin` or `.exe` installer files. Note, that generic installers are those filenames that end in `.jar`.

Download and Install Instructions for WebLogic Platform 10.2

- "Red Hat Enterprise Linux 4.0 on x86" on page 4-11

- "Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon" on page 4-12

Red Hat Enterprise Linux 4.0 on x86

Complete the following procedure:

1. Go to `Oracle Technology Network` or `Oracle E-Delivery` and download WebLogic Server, Portal, and Integration for Red Hat Enterprise Linux.

2. Install the product using the *Installation Guide*.

Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon

To install WebLogic Platform 10.2:

1. Go to `Oracle Technology Network` or `Oracle E-Delivery` and download WebLogic Server, Portal, and Integration for Red Hat Enterprise Linux.

2. Install using the instructions provided in the "Using Installers with Filenames Ending in .jar" section of the *Installation Guide*.

   If your configuration includes the 64-bit version of the JDK, your installation is now complete. If your configuration includes the 32-bit version, however, you must also complete the following steps:

3. Set the `BEA_HOME` to point to the directory in which WebLogic Server is installed and export `BEA_HOME`. For example:

   ```
   export BEA_HOME=<your_WebLogic_Server_installation_directory>
   ```

4. In a text editor, open the `$BEA_HOME/wlserver_10.0/common/bin/commEnv.sh` and search for the following case statement:

   ```
   LINUX|Linux)
   arch='uname -m'
   ```

   Replace with the following:

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

WebLogic Platform 10.0 on Red Hat Enterprise Linux 5.0

This section provides the following information:

- Configuration Requirements

- Known Issues

- Download and Installation Instructions

- Download and Apply Patches

Related Information

- For information about supported database configurations, Web servers, browsers, interoperability tools, and product support, see:

    – *Supported Configurations for WebLogic Platform 10.0*

- For information about Red Hat Enterprise Linux, see the following Red Hat Web site:

    `http://www.redhat.com`

Configuration Requirements

The following section provides requirements for products supported on this configuration:

- "Requirements for Red Hat Enterprise Linux 5.0 on x86" on page 5-2

- "Requirements for Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon with 32-bit JDK" on page 5-3

- "Requirements for Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon with 64-bit JDK" on page 5-4

- "Requirements for Red Hat Enterprise Linux 5.0 on Itanium" on page 5-5

Table 5-1 Requirements for Red Hat Enterprise Linux 5.0 on x86

Operating System Version and Patches	Red Hat Enterprise Linux Server release 5 (Tikanga) and any dot release higher than dot zero (or later updates) in RHEL 5 are supported. For example, RHEL 5.1 and RHEL 5.4 are supported.
	Note: Red Hat Enterprise Linux 5.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 5.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	x86 (400 MHz)
JDK	• 10.0: JRockit 5.0 R27.1 JDK (32-bit) and all later 5.0 releases of JRockit • 10.0 MP1: JRockit 5.0 R27.3.1 JDK (32-bit) and all later 5.0 releases of JRockit • 10.0 MP2: JRockit 5.0 R27.6.1 JDK (32-bit) and all later 5.0 releases of JRockit
	• 10.0: Sun Java 2 JDK 5.0 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 5.0 (version 1.5.0_06) • 10.0 MP1: Sun Java 2 JDK 5.0 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 5.0 (version 1.5.0_11) • 10.0 MP2: Sun Java 2 JDK 5.0 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 5.0 (version 1.5.0_11)
RAM	1 GB minimum, 2 GB recommended
Performance Pack	`server/native/linux/i686/libmuxer.so`
Product Support	• WebLogic Server 10.0 (includes MP1, MP2) • WebLogic Portal 10.0 (includes MP1) • Workshop for WebLogic 10.0 (includes MP1) (Runtime) • Workshop 10.1 (Runtime)

Table 5-2 Requirements for Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon with 32-bit JDK

Operating System Version and Patches	Red Hat Enterprise Linux Server release 5 (Tikanga) and any dot release higher than dot zero (or later updates) in RHEL 5 are supported. For example, RHEL 5.1 and RHEL 5.4 are supported.
	Note: Red Hat Enterprise Linux 5.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 5.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• AMD64 (1.201 GHz) • 64-bit Xeon (1.201 GHz)
JDK	• 10.0: JRockit 5.0 R27.1 JDK (32-bit) and all later 5.0 releases of JRockit • 10.0 MP1: JRockit 5.0 R27.3.1 JDK (32-bit) and all later 5.0 releases of JRockit • 10.0 MP2: JRockit 5.0 R27.6.1 JDK (32-bit) and all later 5.0 releases of JRockit
	• 10.0: Sun Java 2 JDK 5.0 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 5.0 (version 1.5.0_06) • 10.0 MP1: Sun Java 2 JDK 5.0 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 5.0 (version 1.5.0_11) • 10.0 MP2: Sun Java 2 JDK 5.0 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 5.0 (version 1.5.0_11)
RAM	1 GB minimum
Performance Pack	`server/native/linux/i686/libmuxer.so`
Product Support	• WebLogic Server 10.0 (includes MP1, MP2) • WebLogic Portal 10.0 (includes MP1) • Workshop for WebLogic 10.0 (includes MP1) (Runtime)

Table 5-3 Requirements for Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon with 64-bit JDK

Operating System Version and Patches	Red Hat Enterprise Linux Server release 5 (Tikanga) and any dot release higher than dot zero (or later updates) in RHEL 5 are supported. For example, RHEL 5.1 and RHEL 5.4 are supported.
	Note: Red Hat Enterprise Linux 5.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 5.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• AMD64 (1.201 GHz) • 64-bit Xeon (1.201 GHz)
JDK	• 10.0: JRockit 5.0 R27.1 JDK (64-bit) and all later 5.0 releases of JRockit • 10.0 MP1: JRockit 5.0 R27.3.1 JDK (64-bit) and all later 5.0 releases of JRockit • 10.0 MP2: JRockit 5.0 R27.6.1 JDK (64-bit) and all later 5.0 releases of JRockit
	• 10.0: Sun Java 2 JDK 5.0 with the Java HotSpot™ Client and Server VMs (64-bit) and all later service packs of 5.0 (version 1.5.0_06) • 10.0 MP1: Sun Java 2 JDK 5.0 with the Java HotSpot™ Client and Server VMs (64-bit) and all later service packs of 5.0 (version 1.5.0_11) • 10.0 MP2: Sun Java 2 JDK 5.0 with the Java HotSpot™ Client and Server VMs (64-bit) and all later service packs of 5.0 (version 1.5.0_11)
RAM	1 GB minimum
Performance Pack	`server/native/linux/x86_64/libmuxer.so`
Product Support	• WebLogic Server 10.0 (includes MP1, MP2) • WebLogic Portal 10.0 (includes MP1) • Workshop for WebLogic 10.0 (includes MP1) (Runtime)

Table 5-4 Requirements for Red Hat Enterprise Linux 5.0 on Itanium

Operating System Version and Patches	Red Hat Enterprise Linux Server release 5 (Tikanga) and any dot release higher than dot zero (or later updates) in RHEL 5 are supported. For example, RHEL 5.1 and RHEL 5.4 are supported.
	Note: Red Hat Enterprise Linux 5.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 5.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	Itanium (1.5 GHz)
JDK	• 10.0: JRockit 5.0 R27.1 JDK (64-bit) and all later 5.0 releases of JRockit • 10.0 MP1: JRockit 5.0 R27.3.1 JDK (64-bit) and all later 5.0 releases of JRockit • 10.0 MP2: JRockit 5.0 R27.6.1 JDK (64-bit) and all later 5.0 releases of JRockit
RAM	1 GB minimum
Performance Pack	`server/native/linux/ia64/libmuxer.so`
Product Support	• WebLogic Server 10.0 (includes MP1, MP2) • WebLogic Portal 10.0 (includes MP1) • Workshop for WebLogic 10.0 (includes MP1) (Runtime)

Known Issues

- Serial Version UID Mismatch
- Issues Related to Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon
- Issues Related to Red Hat Enterprise Linux 5.0 on AMD64, 64-bit Xeon, and Itanium when Using Remote Autonomy
- Issues Related to Other Products

Serial Version UID Mismatch

A Serial Version UID Mismatch Issue may be encountered if you deploy an application on a latest JVM, but compiled with an earlier JDK release.

Workaround: To be compatible with the serialization of previously compiled applications, modify the `<BEA_HOME>`/wlserver_10.0/common/bin/commEnv.sh file to include the following command:

```
JAVA_OPTIONS="$JAVA_OPTIONS -Dcom.sun.xml.namespace.QName.useCompatible
SerialVersionUID=1.0"
```

Note: If you intend to deploy new applications with previously compiled applications, they must be recompiled as necessary to have the same Serial Version UID.

Issues Related to Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon

This section describes known issues that occur when you run WebLogic Server 10.0 on Red Had Enterprise Linux 5.0 systems based on the AMD64 and 64-bit Xeon chip architecture.

JVM Stack Overflow

You might encounter a JVM stack overflow error or exception while running WebLogic Server.

Workaround: Increase the stack size from the default 128k to 256k.

Exception Encountered on Systems with Mounted NFS File Systems

You might encounter the following exception while installing WebLogic Server and WebLogic Portal on a system that has NFS file systems mounted:

```
"Caused by: java.lang.IllegalArgumentException: Can not list file system
roots on this computer"
```

Workaround: Ensure that you have at least 600MB of free disk space before installing WebLogic Server and use the `-Dspace.detection=false` flag while installing. For example:

```
java -Dspace.detection=false -jar server100_generic.jar -mode=console
```

Issues Related to Red Hat Enterprise Linux 5.0 on AMD64, 64-bit Xeon, and Itanium when Using Remote Autonomy

See Using a Remote Autonomy Installation in *Supported Configurations for* WebLogic Platform 10.0.

Issues Related to Other Products

For information about known issues with products supported on this configuration, including available workarounds, see the appropriate *Release Notes* document.

Issues related to...	Are described in...
WebLogic Server	*WebLogic Server Known and Resolved Issues:* http://e-docs.bea.com/wls/docs100/issues/known_resolved.html
Installation and Configuration	*Products Installation and Configuration Release Notes*: http://e-docs.bea.com/common/docs100/relnotes/relnotes.html
WebLogic Portal	*WebLogic Portal Release Notes*: http://e-docs.bea.com/wlp/docs100/relnotes/index.html
Workshop for WebLogic	*Workshop for WebLogic Release Notes*: http://e-docs.bea.com/wlw/docs100/relnotes/index.html
Workshop for WebLogic 10.1	*Workshop for WebLogic 10.1 Release Notes:* http://e-docs.bea.com/wlw/docs101/relnotes/index.html

Download and Installation Instructions

- "Download and Install Instructions for WebLogic 10.0 and Later MPs on Red Hat Enterprise Linux 5.0 on x86" on page 5-8

- "Download and Install Instructions for WebLogic 10.0 and Later MPs on Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon" on page 5-9

- "Download and Install Instructions for WebLogic 10.0 and Later MPs on Red Hat Enterprise Linux 5.0 on Itanium" on page 5-12

Download and Install JDK 5.0

1. Download the supported JDK for your environment.

   For Oracle JRockit downloads, go to `Oracle E-Delivery` or Oracle Technology Network. For additional information on JRockit, refer to JRockit FAQ.

2. Set the `JAVA_HOME` environment variable to the directory in which the JDK is installed and export `JAVA_HOME`. For example:

   ```
   export JAVA_HOME=/opt/java5/
   ```

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

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

Download and Install Instructions for WebLogic 10.0 and Later MPs on Red Hat Enterprise Linux 5.0 on x86

Depending on your requirements:

- "Download and Install WebLogic Server 10.0 and Later MPs on Red Hat Enterprise Linux 5.0 on x86" on page 5-8

- "Download and Install WebLogic Portal 10.0 and Later MPs on Red Hat Enterprise Linux5.0 on x86" on page 5-9

Download and Install WebLogic Server 10.0 and Later MPs on Red Hat Enterprise Linux 5.0 on x86

1. Go to `Oracle E-Delivery` and use the following information to download WebLogic Server 10.0 MP2.

a. Select Product Pack "Oracle BEA".

b. Select platform "Linux x86".

c. Select media pack "BEA WebLogic Media for Linux x86".

d. Select the part number with the "WebLogic Server 10.0 Maintenance Pack 2 (10.0.2.0)" description for download.

2. Install the WebLogic Products using the directions provided in the BEA Products Installation Guide.

    Refer to http://e-docs.bea.com/common/docs100/install/start.html for instructions on how to start the `.jar` or `.bin` or `.exe` installer files. Note, that generic installers are those filenames that end in `.jar`.

There are no special installation instructions for Red Hat Enterprise Linux 4.0 on x86. For the standard method of installing products, see *Products Installation Guide*.

Download and Install WebLogic Portal 10.0 and Later MPs on Red Hat Enterprise Linux5.0 on x86

1. Go to `Oracle Technology Network` or `Oracle E-Delivery` and download WebLogic Portal for Red Hat Enterprise Linux.

    Note: For important information on how to download BEA products refer to My Oracle Support Note 762254.1 and My Oracle Support Note 763603.1.

2. Install using the installation procedure provided at: http://e-docs.bea.com/common/docs100/install/start.html. This section describes how to install `.jar` files using Graphical mode.

Download and Install Instructions for WebLogic 10.0 and Later MPs on Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon

Complete the following procedures:

1. Depending on your hardware requirements:

● "Download and Install JDK 5.0" on page 5-8

2. Depending on your requirements:

- "Download and Install WebLogic Server 10.0 and Later MPs on Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon" on page 5-10

- "Download and Install WebLogic Portal 10.0 and Later MPs on Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon" on page 5-11

3. For AMD64 and 64-bit Xeon, see "Download and Apply Patches" on page 5-13.

Download and Install WebLogic Server 10.0 and Later MPs on Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon

To install WebLogic Server:

1. To download WebLogic Server 10.0 MP2, do the following:

   Go to `Oracle E-Delivery` and use the following information to download WebLogic Server 10.0 MP2:

   - Select Product Pack "Oracle BEA".

   - Select platform "Linux x86-64".

   - Select media pack "BEA WebLogic Media for Linux x86-64"

   - Select the part number with the "WebLogic Server 10.0 Maintenance Pack 2 (10.0.2.0)" description for download

   If you're downloading WebLogic Server 10.0 MP1, select the part number with the "WebLogic Server 10.0 MP 1" description..

   Note: For additional information on how to download BEA products refer to My Oracle Support Note 762254.1 and My Oracle Support Note 763603.1.

2. Install the WebLogic Products using the directions provided in the BEA Products Installation Guide.

   Refer to http://e-docs.bea.com/common/docs100/install/start.html for instructions on how to start the `.jar` or `.bin` or `.exe` installer files. Note, that generic installers are those filenames that end in `.jar`.

   If your configuration includes the 64-bit version of JDK, your installation of WebLogic Server is now complete. If your configuration includes the 32-bit version, however, you must also complete the following steps:

3. Set the `BEA_HOME` to point to the directory in which WebLogic Server is installed and export `BEA_HOME`. For example:

   ```
   export BEA_HOME=<your_WebLogic_Server_installation_directory>
   ```

4. In a text editor, open the `$BEA_HOME/wlserver_10.0/common/bin/commEnv.sh` and search for the following case statement:

```
LINUX|Linux)
arch='uname -m'
```

Replace with the following:

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

Download and Install WebLogic Portal 10.0 and Later MPs on Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon

To install WebLogic Portal:

1. Go to `Oracle Technology Network` or `Oracle E-Delivery` and download WebLogic Portal for Red Hat Enterprise Linux.

   Note: For important information on how to download BEA products refer to My Oracle Support Note 762254.1 and My Oracle Support Note 763603.1.

2. Install using the instructions provided in the "Using Installers with Filenames Ending in .jar" section of the *Products Installation Guide*.

   If your configuration includes the 64-bit version of JRockit, your installation is now complete. If your configuration includes the 32-bit version, however, you must also complete the following steps:

3. Set the `BEA_HOME` to point to the directory in which WebLogic Server is installed and export `BEA_HOME`. For example:

   ```
   export BEA_HOME=<your_WebLogic_Server_installation_directory>
   ```

4. In a text editor, open the `$BEA_HOME/wlserver_10.0/common/bin/commEnv.sh` and search for the following case statement:

   ```
   LINUX|Linux)
   arch='uname -m'
   ```

   Replace with the following:

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

Download and Install Instructions for WebLogic 10.0 and Later MPs on Red Hat Enterprise Linux 5.0 on Itanium

Complete the following procedures:

- "Download and Install JDK 5.0" on page 5-8

- "Download and Install WebLogic Server 10.0 and Later MPs on Red Hat Enterprise Linux 5.0 on Itanium" on page 5-12

- "Download and Install WebLogic Portal 10.0 and Later MPs on Red Hat Enterprise Linux 5.0 on Itanium" on page 5-13

Download and Install WebLogic Server 10.0 and Later MPs on Red Hat Enterprise Linux 5.0 on Itanium

1. To download WebLogic Server 10.0 MP2, do the following:

   Go to `Oracle E-Delivery` and use the following information to download WebLogic Server 10.0 MP2:

   - Select Product Pack "Oracle BEA".

   - Select platform "Linux Itanium".

   - Select media pack "BEA WebLogic Media for Linux Itanium"

   - Select the part number with the "WebLogic Server 10.0 Maintenance Pack 2 (10.0.2.0)" description for download

   f you're downloading WebLogic Server 10.0 MP1, select the part number with the "WebLogic Server 10.0 MP 1" description..

   Note: For additional information on how to download BEA products refer to My Oracle Support Note 762254.1 and My Oracle Support Note 763603.1.

2. Install the WebLogic Products using the directions provided in the BEA Products Installation Guide.

Refer to http://e-docs.bea.com/common/docs100/install/start.html for instructions on how to start the `.jar` or `.bin` or `.exe` installer files. Note, that generic installers are those filenames that end in `.jar`.

3. "Download and Apply Patches" on page 5-13.

Download and Install WebLogic Portal 10.0 and Later MPs on Red Hat Enterprise Linux 5.0 on Itanium

To install on Itanium:

1. Go to `Oracle Technology Network` or `Oracle E-Delivery` and download WebLogic Portal for Red Hat Enterprise Linux.

   Note: For important information on how to download BEA products refer to My Oracle Support Note 762254.1 and My Oracle Support Note 763603.1.

2. Install by completing the installation procedure provided at: http://e-docs.bea.com/common/docs100/install/start.html. This section describes how to install `.jar` files using Graphical mode.

3. "Download and Apply Patches" on page 5-13.

Download and Apply Patches

Download and install the following patches for Red Hat Enterprise Linux 5.0 using the Smart Update tool:

WLS 10.0 and **WLP 10.0**

- Patch ID: `X91N` Passcode: `VPRA9TXJ` (for Itanium)

- Patch ID: `AZBH` Passcode: `TBVLUV55` (for AMD64 and 64-Bit Xeon using 64-bit JRockit JDK)

For more information on the Smart Update tool, refer to http://e-docs.bea.com/common/docs100/smart_update/intro.html.

WebLogic Platform 10.0 on Red Hat Enterprise Linux 5.0

WebLogic Platform 10.0 on Red Hat Enterprise Linux 4.0

This section provides the following information:

- Configuration Requirements

- Known Issues

- Download and Install Instructions

- Download and Apply Patches

Related Information

- For information about supported database configurations, Web servers, browsers, interoperability tools, and product support, see:

  - Supported Configurations for WebLogic Platform 10.0

- For information about Red Hat Enterprise Linux, see the following Red Hat Web site:

  `http://www.redhat.com`

- For information on Azul Systems, see `www.azulsystems.com`

Configuration Requirements

The following section provides requirements for products supported on this configuration:

- Requirements for Red Hat Enterprise Linux 4.0 on x86

- Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon with 32-bit JDK

- Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon with 64-bit JDK

- Requirements for Red Hat Enterprise Linux 4.0 on Itanium

Table 6-1 Requirements for Red Hat Enterprise Linux 4.0 on x86

Operating System Version and Patches	Red Hat Enterprise Linux 4.0 AS, ES, WS and any dot release higher than dot zero (or later updates) in RHEL 4 are supported. For example, RHEL 4.3 is supported.
	Note: Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	x86 (400 MHz)
JDK	• 10.0: JRockit 5.0 (R26.4.0 + CR302700) JDK (32-bit) and all later 5.0 releases of JRockit • 10.0 MP1: JRockit 5.0 (R27.3.1) JDK (32-bit) and all later 5.0 releases of JRockit • 10.0 MP2: JRockit 5.0 (R27.6.1) JDK (32-bit) and all later 5.0 releases of JRockit • 10.0: Sun Java 2 JDK 5.0 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 5.0 (version 1.5.0_06) • 10.0 MP1: Sun Java 2 JDK 5.0 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 5.0 (version 1.5.0_11) • 10.0 MP2: Sun Java 2 JDK 5.0 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 5.0 (version 1.5.0_11) • Azul Virtual Machine 2.4.0.18-7 and later patches
RAM	1 GB minimum, 2 GB recommended
Performance Pack	`server/native/linux/i686/libmuxer.so`

Table 6-1 Requirements for Red Hat Enterprise Linux 4.0 on x86

Product Support	• WebLogic Server 10.0 (includes MP1, MP2) • WebLogic Portal 10.0 (includes MP1) • Workshop for WebLogic 10.0 (includes MP1) (Runtime) • Workshop 10.1 (Runtime)
Design and Development Tools	• Workshop for WebLogic 10.0 (IDE) (includes MP1) on Sun Java 2 JDK 5.0: Supported. • Workshop 10.1 (IDE) on Sun Java 2 JDK 5.0: Supported

Table 6-2 Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon with 32-bit JDK

Operating System Version and Patches	Red Hat Enterprise Linux release 4.3 and any dot release higher than dot three (or later updates) in RHEL 4 are supported. For example, RHEL 4.4 is supported. **Note:** Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• AMD64 (1.201 GHz) • 64-bit Xeon (1.201 GHz)
JDK	• 10.0: JRockit 5.0 (R26.4.0 + CR302700) JDK (32-bit) and all later 5.0 releases of JRockit • 10.0 MP1: JRockit 5.0 (R27.3.1) JDK (32-bit) and all later 5.0 releases of JRockit • 10.0 MP2: JRockit 5.0 (R27.6.1) JDK (32-bit) and all later 5.0 releases of JRockit
	• 10.0: Sun Java 2 JDK 5.0 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 5.0 (version 1.5.0_06) • 10.0 MP1: Sun Java 2 JDK 5.0 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 5.0 (version 1.5.0_11) • 10.0 MP2: Sun Java 2 JDK 5.0 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 5.0 (version 1.5.0_11)
RAM	1 GB minimum

Table 6-2 Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon with 32-bit JDK

Performance Pack	`server/native/linux/i686/libmuxer.so`
Product Support	• WebLogic Server 10.0 (includes MP1, MP2) • WebLogic Portal 10.0 (includes MP1) • Workshop for WebLogic 10.0 (includes MP1) (Runtime)

Table 6-3 Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon with 64-bit JDK

Operating System Version and Patches	Red Hat Enterprise Linux release 4.3 and any dot release higher than dot three (or later updates) in RHEL 4 are supported. For example, RHEL 4.4 is supported. **Note:** Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• AMD64 (1.201 GHz) • 64-bit Xeon (1.201 GHz)
JDK	• 10.0: JRockit 5.0 (R26.4.0 + CR302700) JDK (64-bit) and all later 5.0 releases of JRockit • 10.0 MP1: JRockit 5.0 (R27.3.1) JDK (64-bit) and all later 5.0 releases of JRockit • 10.0 MP2: JRockit 5.0 (R27.6.1) JDK (64-bit) and all later 5.0 releases of JRockit
RAM	1 GB minimum
Performance Pack	`server/native/linux/x86_64/libmuxer.so`
Product Support	• WebLogic Server 10.0 (includes MP1, MP2) • WebLogic Portal 10.0 (includes MP1) • Workshop for WebLogic 10.0 (includes MP1) (includes MP1)

Table 6-4 Requirements for Red Hat Enterprise Linux 4.0 on Itanium

Operating System Version and Patches	Red Hat Enterprise Linux release 4.3 and any dot release higher than dot three (or later updates) in RHEL 4 are supported. For example, RHEL 4.4 is supported.
	Note: Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	Itanium (1.5 GHz)
JDK	• 10.0: JRockit 5.0 (R26.4.0 + CR302700) JDK (64-bit) and all later 5.0 releases of JRockit • 10.0 MP1: JRockit 5.0 (R27.3.1) JDK (64-bit) and all later 5.0 releases of JRockit • 10.0 MP2: JRockit 5.0 (R27.6.1) JDK (64-bit) and all later 5.0 releases of JRockit
RAM	1 GB minimum
Performance Pack	`server/native/linux/ia64/libmuxer.so`
Product Support	• WebLogic Server 10.0 (includes MP1, MP2) • WebLogic Portal 10.0 (includes MP1) • Workshop for WebLogic 10.0 (includes MP1) (Runtime)

Known Issues

- "Serial Version UID Mismatch" on page 6-6
- "Issues Related to Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon" on page 6-6
- "Issues Related to Red Hat Enterprise Linux 4.0 on AMD64, 64-bit Xeon, and Itanium when Using Remote Autonomy" on page 6-7
- "Issues Related to Other Products" on page 6-7

Serial Version UID Mismatch

A Serial Version UID Mismatch Issue may be encountered if you deploy an application on a latest JVM, but compiled with an earlier JDK release.

Workaround: To be compatible with the serialization of previously compiled applications, modify the `<BEA_HOME>/wlserver_10.0/common/bin/commEnv.sh` file to include the following command:

```
JAVA_OPTIONS="$JAVA_OPTIONS -Dcom.sun.xml.namespace.QName.useCompatible
SerialVersionUID=1.0"
```

Note: If you intend to deploy new applications with previously compiled applications, they must be recompiled as necessary to have the same Serial Version UID.

Issues Related to Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon

This section describes known issues that occur when you run WebLogic Server 10.0 on Red Had Enterprise Linux 4.0 systems based on the AMD64 and 64-bit Xeon chip architecture.

JVM Stack Overflow

You might encounter a JVM stack overflow error or exception while running WebLogic Server.

Workaround: Increase the stack size from the default 128k to 256k.

Exception Encountered on Systems with Mounted NFS File Systems

You might encounter the following exception while installing WebLogic Server and WebLogic Portal on a system that has NFS file systems mounted:

```
"Caused by: java.lang.IllegalArgumentException: Can not list file system
roots on this computer"
```

Workaround: Ensure that you have at least 600MB of free disk space before installing WebLogic Server and use the `-Dspace.detection=false` flag while installing. For example:

```
java -Dspace.detection=false -jar server100_generic.jar -mode=console
```

Issues Related to Red Hat Enterprise Linux 4.0 on AMD64, 64-bit Xeon, and Itanium when Using Remote Autonomy

See Using a Remote Autonomy Installation in *Supported Configurations for* WebLogic Platform 10.0.

Issues Related to Other Products

For information about known issues with products supported on this configuration, including available workarounds, see the appropriate *Release Notes* document.

Issues related to...	Are described in...
WebLogic Server	*WebLogic Server Known and Resolved Issues:* http://e-docs.bea.com/wls/docs100/issues/known_resolved. html
Installation and Configuration	*Products Installation and Configuration Release Notes*: http://e-docs.bea.com/common/docs100/relnotes/relnotes.h tml
WebLogic Portal	*WebLogic Portal Release Notes*: http://e-docs.bea.com/wlp/docs100/relnotes/index.html
Workshop for WebLogic	*Workshop for WebLogic Release Notes*: http://e-docs.bea.com/wlw/docs100/relnotes/index.html
Workshop for WebLogic 10.1	*Workshop for WebLogic 10.1 Release Notes:* http://e-docs.bea.com/wlw/docs101/relnotes/index.html

Download and Install Instructions

- "Download and Install JDK 5.0" on page 6-8

- "Download and Install Instructions for WebLogic 10.0 and Later MPs on Red Hat Enterprise Linux 4.0 on x86" on page 6-8

- "Download and Install Instructions for WebLogic 10.0 and Later MPs on Red Hat Enterprise Linux 4.0 on 64-bit Xeon and AMD64" on page 6-9

- "Download and Install Instructions for WebLogic 10.0 and Later MPs on Red Hat Enterprise Linux 4.0 on Itanium" on page 6-11

- "Download and Installation Instructions for Red Hat Enterprise Linux 4.0 on X86 with AZUL VM 2.4.0.18-7" on page 6-13

Download and Install JDK 5.0

Complete the following procedure:

1. Download the supported JDK for your environment.

   For Oracle JRockit downloads, go to `Oracle E-Delivery` or Oracle Technology Network. For additional information on JRockit, refer to JRockit FAQ.

2. Set the `JAVA_HOME` environment variable to the directory in which the JDK is installed and export `JAVA_HOME`. For example:

   ```
   export JAVA_HOME=/opt/java5/
   ```

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

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

Download and Install Instructions for WebLogic 10.0 and Later MPs on Red Hat Enterprise Linux 4.0 on x86

1. Go to `Oracle E-Delivery` and use the following information to download WebLogic Server 10.0 MP2.

   a. Select Product Pack "Oracle BEA".

   b. Select platform "Linux x86".

   c. Select media pack "BEA WebLogic Media for Linux x86".

   d. Select the part number with the "WebLogic Server 10.0 Maintenance Pack 2 (10.0.2.0)" description for download.

2. Install the WebLogic Products using the directions provided in the BEA Products Installation Guide.

Refer to http://e-docs.bea.com/common/docs100/install/start.html for instructions on how to start the `.jar` or `.bin` or `.exe` installer files. Note, that generic installers are those filenames that end in `.jar`.

Download and Install Instructions for WebLogic 10.0 and Later MPs on Red Hat Enterprise Linux 4.0 on 64-bit Xeon and AMD64

Complete the following procedures:

1. "Download and Install JDK 5.0" on page 6-8

2. Depending on your requirements:

    a. "Download and Install WebLogic Server 10.0 and Later MPs on Red Hat Enterprise Linux 4.0 on 64-bit Xeon and AMD64" on page 6-9

    b. "Download and Install WebLogic Portal 10.0 and Later MPs on Red Hat Enterprise Linux 4.0 on AMD64 and 64-Bit Xeon" on page 6-10

3. For AMD64 and 64-bit Xeon using 64-bit JRockit JDK, see "Download and Apply Patches" on page 6-13

Download and Install WebLogic Server 10.0 and Later MPs on Red Hat Enterprise Linux 4.0 on 64-bit Xeon and AMD64

To install WebLogic Server on RHEL 4.0

1. To download WebLogic Server 10.0 MP2, do the following:

    Go to `Oracle E-Delivery` and use the following information to download WebLogic Server 10.0 MP2:

    - Select Product Pack "Oracle BEA".

    - Select platform "Linux x86-64".

    - Select media pack "BEA WebLogic Media for Linux x86-64"

    - Select the part number with the "WebLogic Server 10.0 Maintenance Pack 2 (10.0.2.0)" description for download

If you're downloading WebLogic Server 10.0 MP1, select the part number with the "WebLogic Server 10.0 MP 1" description..

> **Note:** For additional information on how to download BEA products refer to My Oracle Support Note 762254.1 and My Oracle Support Note 763603.1.

2. Install the WebLogic Products using the directions provided in the BEA Products Installation Guide.

   Refer to http://e-docs.bea.com/common/docs100/install/start.html for instructions on how to start the `.jar` or `.bin` or `.exe` installer files. Note, that generic installers are those filenames that end in `.jar`.

   If your configuration includes the 64-bit version of JDK, your installation of WebLogic Server is now complete. If your configuration includes the 32-bit version, however, you must also complete the following steps:

3. Set the `BEA_HOME` to point to the directory in which WebLogic Server is installed and export `BEA_HOME`. For example:

   ```
   export BEA_HOME=<your_WebLogic_Server_installation_directory>
   ```

4. In a text editor, open the `$BEA_HOME/wlserver_10.0/common/bin/commEnv.sh` and search for the following case statement:

   ```
   LINUX|Linux)
   arch='uname -m'
   ```

   Replace with the following:

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

Download and Install WebLogic Portal 10.0 and Later MPs on Red Hat Enterprise Linux 4.0 on AMD64 and 64-Bit Xeon

To install WebLogic Portal on Red Hat Enterprise Linux 4.0:

1. Go to `Oracle Technology Network` or `Oracle E-Delivery` and download WebLogic Portal for Red Hat Enterprise Linux.

> **Note:** For important information on how to download BEA products refer to My Oracle Support Note 762254.1 and My Oracle Support Note 763603.1.

2. Install WebLogic Portal using the instructions in Using Installers with Filenames Ending in .jar in the *Products Installation Guide*. This section describes the process of installing `.jar` files in the Graphical mode.

If your configuration includes the 64-bit version of JDK, your installation of WebLogic Portal is now complete. If your configuration includes the 32-bit version of JRockit, however, you must also complete the following steps:

3. Set the `BEA_HOME` variable to point to the directory in which WebLogic Portal is installed and export `BEA_HOME`. For example:

```
export BEA_HOME=<your_Portal_installation_directory>
```

4. In a text editor, open the `$BEA_HOME/wlserver_10.0/common/bin/commEnv.sh` and search for the following case statement:

```
LINUX|Linux)
arch=‘uname -m‘
```

Replace with the following:

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

Download and Install Instructions for WebLogic 10.0 and Later MPs on Red Hat Enterprise Linux 4.0 on Itanium

Complete the following procedures:

1. Depending on your requirements:

   a. Download and Install WebLogic Server 10.0 and Later MPs on Red Hat Enterprise Linux 4.0 on Itanium

   b. Download and Install WebLogic Portal 10.0 and Later MPs on Red Hat Enterprise Linux 4.0 on Itanium

2. "Download and Apply Patches" on page 6-13

Download and Install WebLogic Server 10.0 and Later MPs on Red Hat Enterprise Linux 4.0 on Itanium

To install WebLogic Server on Red Hat Enterprise Linux 4.0 for Itanium:

1. To download WebLogic Server 10.0 MP2, do the following:

   Go to `Oracle E-Delivery` and use the following information to download WebLogic Server 10.0 MP2:

   - Select Product Pack "Oracle BEA".

   - Select platform "Linux Itanium".

   - Select media pack "BEA WebLogic Media for Linux Itanium"

   - Select the part number with the "WebLogic Server 10.0 Maintenance Pack 2 (10.0.2.0)" description for download

   If you're downloading WebLogic Server 10.0 MP1, select the part number with the "WebLogic Server 10.0 MP 1" description..

   Note: For additional information on how to download BEA products refer to My Oracle Support Note 762254.1 and My Oracle Support Note 763603.1.

2. Install the WebLogic Products using the directions provided in the BEA Products Installation Guide.

   Refer to http://e-docs.bea.com/common/docs100/install/start.html for instructions on how to start the `.jar` or `.bin` or`.exe` installer files. Note, that generic installers are those filenames that end in `.jar`.

Download and Install WebLogic Portal 10.0 and Later MPs on Red Hat Enterprise Linux 4.0 on Itanium

To install WebLogic Portal on Red Hat Enterprise Linux 4.0 on Itanium:

1. Go to `Oracle Technology Network` or `Oracle E-Delivery` and download WebLogic Portal for Red Hat Enterprise Linux.

   Note: For information on how to download BEA products refer to My Oracle Support Note 762254.1 and My Oracle Support Note 763603.1.

2. Install WebLogic Portal using the instructions provided in Using Installers with Filenames Ending in .bin in *Products Installation Guide*.

Download and Installation Instructions for Red Hat Enterprise Linux 4.0 on X86 with AZUL VM 2.4.0.18-7

Complete the following procedure:

1. Download Azul VM proxy 2.4.0.18-7 from www.azulsystems.com.

2. Install AZUL JVM proxy using the steps in the install document provided in the JVM proxy kit.

3. Set the AZUL_JAVAHOME to the location you installed the AZUL JVM.

4. From AZUL_JAVAHOME, run the domain specify script. It will prompt for the Azul domain and policy server host. Provide the appropriate values.

5. Install WebLogic Server for Red Hat Enterprise Linux 4.0 on x86 using the instructions in Using Installers with Filenames Ending in .bin in the *Products Installation Guide*. This section describes the process of installing .bin installers.

Download and Apply Patches

Download and install the following patches for Red Hat Enterprise Linux 4.0 using the Smart Update tool:

WLS 10.0 and **WLP 10.0**

- Patch ID: X91N Passcode: VPRA9TXJ (for Itanium)

- Patch ID: AZBH Passcode: TBVLUV55 (for AMD64 and 64-Bit Xeon using 64-bit JRockit JDK)

For more information on the Smart Update tool, refer to
http://e-docs.bea.com/common/docs100/smart_update/intro.html.

WebLogic Platform 10.0 on Red Hat Enterprise Linux 4.0

WebLogic Platform 9.2 on Red Hat Enterprise Linux 5.0

This section provides the following information:

- Configuration Requirements
- Known Issues
- Download and Install Instructions

Related Information

- For information about supported database configurations, Web servers, browsers, interoperability tools, and product support, see:
  - *Supported Configurations for WebLogic Platform 9.2*

- For information about Red Hat Enterprise Linux, see the following Red Hat Web site:

  `http://www.redhat.com`

Configuration Requirements

The following section provides requirements for products supported on this configuration:

- Requirements for Red Hat Enterprise Linux 5.0 on x86
- Requirements for Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon with 32-bit JDK

- Requirements for Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon with 64-bit JDK

- Requirements for Red Hat Enterprise Linux 5.0 on Itanium

Table 7-1 Requirements for Red Hat Enterprise Linux 5.0 on x86

Operating System Version and Patches	WebLogic 9.2 MP2, 9.2 MP3
	• Red Hat Enterprise Linux 5.0 AS, ES, WS and any dot release higher than dot zero (or later updates) in RHEL 5 are supported. For example, RHEL 5.1 and RHEL 5.4 are supported.
	WebLogic 9.2 MP4
	• Red Hat Enterprise Linux 5 (UL3+) AS, ES, WS and any dot release higher than dot three (or later updates) in RHEL 5 are supported.
	Note: Red Hat Enterprise Linux 5.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 5.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	x86 (400 MHz)
JDK	• 9.2 MP2: JRockit 5.0 (R27.2.0-131) JDK (32-bit) and all later 5.0 releases of JRockit
	• 9.2 MP3: JRockit 5.0 (R27.4) JDK (32-bit) and all later 5.0 releases of JRockit
	• 9.2 MP4: JRockit 5.0 (R27.6.6+) JDK (32-bit) and all later 5.0 releases of JRockit
	9.2 MP3: Sun Java 2 JDK 5.0 Update 12 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 5.0 (Supported for WebLogic Server only)
RAM	1 GB minimum, 2 GB recommended
Performance Pack	`server/native/linux/i686/libmuxer.so`

Table 7-1 Requirements for Red Hat Enterprise Linux 5.0 on x86

Product Support	• WebLogic Server 9.2 MP2, 9.2 MP3, 9.2 MP4
	• WebLogic Portal 9.2 MP2, 9.2 MP3
	• WebLogic Integration 9.2 MP2, 9.2 MP3
Design and Development Tools	• Workshop for WebLogic Platform 9.2 MP2 (IDE) and later MPs: Not supported.
	• WebLogic Integration IDE for WebLogic Platform 9.2 MP2 and later MPs: Not Supported

Table 7-2 Requirements for Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon with 32-bit JDK

Operating System Version and Patches	WebLogic 9.2 MP2, MP3
	• Red Hat Enterprise Linux Server release 5 (Tikanga) and any dot release higher than dot zero (or later updates) in RHEL 5 are supported. For example, RHEL 5.1 and RHEL 5.4 are supported.
	WebLogic 9.2 MP4
	• Red Hat Enterprise Linux Server release 5 (UL3+) and any dot release higher than dot three(or later updates) in RHEL 5 are supported.
	Note: Red Hat Enterprise Linux 5.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 5.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• AMD64 (1.201 GHz)
	• 64-bit Xeon (1.201 GHz)
JDK	• 9.2 MP2: JRockit 5.0 (R27.2.0-131) JDK (32-bit) and all later 5.0 releases of JRockit
	• 9.2 MP3: JRockit 5.0 (R27.4) JDK (32-bit) and all later 5.0 releases of JRockit
	• 9.2 MP4: JRockit 5.0 (R27.6.6+) JDK (32-bit) and all later 5.0 releases of JRockit
	9.2 MP3: Sun Java 2 JDK 5.0 Update 12 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 5.0 (Supported for WebLogic Server only)

Table 7-2 Requirements for Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon with 32-bit JDK

RAM	1 GB minimum
Performance Pack	`server/native/linux/i686/libmuxer.so`
Product Support	• WebLogic Server 9.2 MP2, 9.2 MP3, 9.2 MP4 • WebLogic Portal 9.2 MP2, 9.2 MP3 • WebLogic Integration 9.2 MP2, 9.2 MP3
Design and Development Tools	• Workshop for WebLogic Platform 9.2 (IDE) and later MPs: Not supported • WebLogic Integration IDE for WebLogic Platform 9.2 and later MPs: Not Supported

Table 7-3 Requirements for Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon with 64-bit JDK

Operating System Version and Patches	WebLogic 9.2 MP2, MP3 • Red Hat Enterprise Linux Server release 5 (Tikanga) and any dot release higher than dot zero (or later updates) in RHEL 5 are supported. For example, RHEL 5.1 and RHEL 5.4 are supported. WebLogic 9.2 MP4 • Red Hat Enterprise Linux Server release 5 (UL3+) and any dot release higher than dot three(or later updates) in RHEL 5 are supported. **Note:** Red Hat Enterprise Linux 5.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 5.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• AMD64 (1.201 GHz) • 64-bit Xeon (1.201 GHz)

Table 7-3 Requirements for Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon with 64-bit JDK

JDK	• 9.2 MP2: JRockit 5.0 (R27.2.0-131) JDK (64-bit) and all later 5.0 releases of JRockit
	• 9.2 MP3: JRockit 5.0 (R27.4) JDK (64-bit) and all later 5.0 releases of JRockit
	• 9.2 MP4: JRockit 5.0 (R27.6.6+) JDK (64-bit) and all later 5.0 releases of JRockit
	WebLogic Server 9.2 MP3: Sun Java 2 JDK 5.0 Update 12 with the Java HotSpot™ Client and Server VMs (64-bit) and all later service packs of 5.0
RAM	1 GB minimum
Performance Pack	`server/native/linux/x86_64/libmuxer.so`
Product Support	• WebLogic Server 9.2 MP2, 9.2 MP3, 9.2 MP4
	• WebLogic Portal 9.2 MP2, 9.2 MP3
	• WebLogic Integration 9.2 MP2, 9.2 MP3
Design and Development Tools	• Workshop for WebLogic Platform 9.2 (IDE) and later MPs: Not supported
	• WebLogic Integration IDE for WebLogic Platform 9.2 and later MPs: Not Supported

Table 7-4 Requirements for Red Hat Enterprise Linux 5.0 on Itanium

Operating System Version and Patches	WebLogic 9.2 MP2, MP3 • Red Hat Enterprise Linux Server release 5 (Tikanga) and any dot release higher than dot zero (or later updates) in RHEL 5 are supported. For example, RHEL 5.1 and RHEL 5.4 are supported. WebLogic 9.2 MP4 • Red Hat Enterprise Linux Server release 5 (UL3+) and any dot release higher than dot three(or later updates) in RHEL 5 are supported. Note: Red Hat Enterprise Linux 5.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 5.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	Itanium (1.5 GHz)
JDK	• 9.2 MP2: JRockit 5.0 (R27.2.0-131) JDK (64-bit) and all later 5.0 releases of JRockit • 9.2 MP3: JRockit 5.0 (R27.4) JDK (64-bit) and all later 5.0 releases of JRockit • 9.2 MP4: JRockit 5.0 (R27.6.6+) JDK (64-bit) and all later 5.0 releases of JRockit
RAM	1 GB minimum
Performance Pack	`server/native/linux/ia64/libmuxer.so`
Product Support	• WebLogic Server 9.2 MP2, 9.2 MP3, 9.2 MP4 • WebLogic Portal 9.2 MP2, 9.2 MP3 • WebLogic Integration 9.2 MP2 and later MPs
Design and Development Tools	• Workshop for WebLogic Platform 9.2 (IDE) and later MPs: Not supported • WebLogic Integration IDE for WebLogic Platform 9.2 and later MPs: Not Supported

Known Issues

- Serial Version UID Mismatch

- Issues Related to Red Hat Enterprise Linux 5.0 on AMD64, 64-bit Xeon, and Itanium when Using Remote Autonomy

- Issues Related to Other Products

Serial Version UID Mismatch

A Serial Version UID Mismatch Issue may be encountered if you deploy an application on a latest JVM, but compiled with an earlier JDK release.

Workaround: To be compatible with the serialization of previously compiled applications, modify the `<BEA_HOME>/Weblogic92/common/bin/commEnv.sh` file to include the following command:

```
JAVA_OPTIONS="$JAVA_OPTIONS -Dcom.sun.xml.namespace.QName.useCompatible
SerialVersionUID=1.0"
```

Note: If you intend to deploy new applications with previously compiled applications, they must be recompiled as necessary to have the same Serial Version UID.

Issues Related to Red Hat Enterprise Linux 5.0 on AMD64, 64-bit Xeon, and Itanium when Using Remote Autonomy

See Using a Remote Autonomy Installation in *Supported Configurations for* WebLogic Platform 9.2.

Issues Related to Other Products

For information about known issues with products supported on this configuration, including available workarounds, see the appropriate *Release Notes* document.

Issues related to...	Are described in...
WebLogic Server	*Oracle WebLogic Server Release Notes, Release 9.2 MP4 (9.2.4):* Refer to Document ID **1125333.1** at https://support.oracle.com *Oracle WebLogic Server 9.2 Known and Resolved Issues:* http://edocs.bea.com/wls/docs92/issues/known_resolved.html
Installation and Configuration	*Products Installation and Configuration Release Notes*: http://e-docs.bea.com/common/docs92/relnotes/relnotes.html
WebLogic Portal	*WebLogic Portal 9.2 Release Notes*: http://e-docs.bea.com/wlp/docs92/relnotes/index.html
Workshop for WebLogic Platform	*Workshop Product Family Release Notes*: http://e-docs/workshop/docs92/relnotes/index.html
WebLogic Integration	*WebLogic Integration 9.2 Release Notes*: http://e-docs.bea.com/wli/docs92/relnotes/index.html

Download and Install Instructions

- "Download and Install JRockit 5.0" on page 7-8

- "Red Hat Enterprise Linux 5.0 on x86" on page 7-9

- "Red Hat Enterprise Linux 5.0 on 64-bit Xeon and AMD64" on page 7-9

- "Red Hat Enterprise Linux 5.0 on Itanium" on page 7-13

Download and Install JRockit 5.0

Complete the following procedure:

1. Download and install the supported version of JRockit JDK for Intel 64-bit Xeon and AMD64:

   – Linux (Intel EM64T & AMD64 - 64 bit)

     – Linux (x86 - 32 bit)

      Note: For important information about how to download BEA products refer to *BEA Product Download Changes* (Document ID **762254.1** and **763603.1**) at https://support.oracle.com/.

      The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

2. Set the `JAVA_HOME` environment variable to the directory in which JRockit is installed and export `JAVA_HOME`. For example:

```
export JAVA_HOME=/opt/java5/
```

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

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

Red Hat Enterprise Linux 5.0 on x86

There are no special installation instructions for Red Hat Enterprise Linux 5.0 on x86. For the standard method of installing products, see *Products Installation Guide*.

Red Hat Enterprise Linux 5.0 on 64-bit Xeon and AMD64

Depending on your requirements:

1. "Download and Install WebLogic Server 9.2 Maintenance Packs on Red Hat Enterprise Linux 5.0 on 64-bit Xeon and AMD64" on page 7-9

2. "Download and Install WebLogic Portal 9.2 MP2 on Red Hat Enterprise Linux 5.0 on AMD64 and 64-Bit Xeon" on page 7-11

3. "Download and Install WebLogic Integration 9.2 MP2 on Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon" on page 7-12

Download and Install WebLogic Server 9.2 Maintenance Packs on Red Hat Enterprise Linux 5.0 on 64-bit Xeon and AMD64

To install WebLogic Server on RHEL 5.0

1. "Download and Install JRockit 5.0" on page 7-8.

1. Go to `Oracle E-Delivery` and use the following information to download WebLogic Server 9.2 Maintenance Packs:

   a. Select Product Pack "Oracle BEA".

   b. Select the operating system.

   c. Select the appropriate media pack for the BEA WebLogic product that you want to download. For example, if you want to download WebLogic Server for Microsoft Windows (32-bit), select the media pack "BEA WebLogic Media Pack for Microsoft Windows (32-bit)".

   d. Select the part number for the WebLogic Server 9.2 Maintenance Pack and download the zip file. For example, select the part number corresponding to the description "WebLogic Server 9.2 MP4 for Microsoft Windows (32-bit)" and download the zip file.

   e. Extract files from the downloaded zip file.

      Note: For important information about how to download BEA products refer to *BEA Product Download Changes* (Document ID **762254.1** and **763603.1**) at https://support.oracle.com/.

      Note: The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

2. Install WebLogic Server by following the procedure described in the *Installation Guide*.

   If your configuration includes the 64-bit version of JRockit, your installation of WebLogic Server is now complete. If your configuration includes the 32-bit version, however, you must also complete the following steps:

3. Set the BEA_HOME to point to the directory in which WebLogic Server is installed and export BEA_HOME. For example:

   ```
   export BEA_HOME=<your_WebLogic_Server_installation_directory>
   ```

4. In a text editor, open the `$BEA_HOME/weblogic92/common/bin/commEnv.sh` and search for the following case statement:

   ```
   LINUX|Linux)
   arch='uname -m'
   ```

   Replace with the following:

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

Download and Install WebLogic Portal 9.2 MP2 on Red Hat Enterprise Linux 5.0 on AMD64 and 64-Bit Xeon

To install WebLogic Portal on Red Hat Enterprise Linux 5.0 on AMD64 and 64-Bit Xeon:

1. "Download and Install JRockit 5.0" on page 7-8.

2. Go to `Oracle Technology Network` or `Oracle E-Delivery` and download WebLogic Portal for Red Hat Enterprise Linux.

   Note: For important information about how to download BEA products refer to *BEA Product Download Changes* (Document ID **762254.1** and **763603.1**) at https://support.oracle.com/.

   Note: The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

3. Install WebLogic Portal using the instructions in Using Installers with Filenames Ending in .jar in the Products Installation Guide. This section describes the process of installing .jar files in the Graphical mode.

If your configuration includes the 64-bit version of jRockit, your installation of WebLogic Portal is now complete. If your configuration includes the 32-bit version of jRockit, however, you must also complete the following steps:

4. Set the `BEA_HOME` variable to point to the directory in which WebLogic Portal is installed and export `BEA_HOME`. For example:

   ```
   export BEA_HOME=<your_Portal_installation_directory>
   ```

5. In a text editor, open the `$BEA_HOME/weblogic92/common/bin/commEnv.sh` and search for the following case statement:

```
LINUX|Linux)
arch='uname -m'
```

Replace with the following:

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

Download and Install WebLogic Integration 9.2 MP2 on Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon

To install WebLogic Portal on Red Hat Enterprise Linux 5.0 on AMD64 and 64-bit Xeon:

1. .

2. Go to `Oracle Technology Network` or `Oracle E-Delivery` and download WebLogic Integration for Red Hat Enterprise Linux.

   Note: For important information about how to download BEA products refer to *BEA Product Download Changes* (Document ID **762254.1** and **763603.1**) at `https://support.oracle.com/`.

   Note: The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

3. Install WebLogic Integration using the instructions in Using Installers with Filenames Ending in .jar in the Products Installation Guide. This section describes the process of installing `.jar` files in the Graphical mode.

4. Set *BEA_HOME* to point to the directory in which WebLogic Integration is installed and export *BEA_HOME*. For example:

       export BEA_HOME=<your_WebLogic_Integration_installation_directory>

If your configuration includes the 64-bit version of jRockit, your installation of WebLogic Portal is now complete. If your configuration includes the 32-bit version of jRockit, however, you must also complete the following steps:

5. Set the *BEA_HOME* variable to point to the directory in which WebLogic Portal is installed and export *BEA_HOME*. For example:

```
export BEA_HOME=<your_Portal_installation_directory>
```

6. In a text editor, open the `$BEA_HOME/weblogic92/common/bin/commEnv.sh` and search for the following case statement:

```
LINUX|Linux)
arch='uname -m'
```

Replace with the following:

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

Red Hat Enterprise Linux 5.0 on Itanium

Depending on your requirements:

1. Download and Install WebLogic Server 9.2 Maintenance Packs on Red Hat Enterprise Linux 5.0 on Itanium

2. Download and Install WebLogic Portal 9.2 MP2 on Red Hat Enterprise Linux 5.0 on Itanium

3. Download and Install WebLogic Integration 9.2 MP2 on Red Hat Enterprise Linux 5.0 on Itanium

Download and Install WebLogic Server 9.2 Maintenance Packs on Red Hat Enterprise Linux 5.0 on Itanium

To install WebLogic Server on Red Hat Enterprise Linux 5.0 for Itanium:

1. Go to Oracle E-Delivery and use the following information to download WebLogic Server 9.2 Maintenance Packs:

   a. Select Product Pack "Oracle BEA".

   b. Select the operating system.

   c. Select the appropriate media pack for the BEA WebLogic product that you want to download. For example, if you want to download WebLogic Server for Microsoft

Windows (32-bit), select the media pack "BEA WebLogic Media Pack for Microsoft Windows (32-bit)".

d. Select the part number for the WebLogic Server 9.2 Maintenance Pack and download the zip file. For example, select the part number corresponding to the description "WebLogic Server 9.2 MP4 for Microsoft Windows (32-bit)" and download the zip file.

e. Extract files from the downloaded zip file.

> **Note:** For important information about how to download BEA products refer to *BEA Product Download Changes* (Document ID **762254.1** and **763603.1**) at `https://support.oracle.com/`.

> **Note:** The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

2. Install WebLogic Server by following the procedure described in the *Installation Guide*.

For more information on installing WebLogic Server, refer to the WebLogic Server 9.2 Installation Guide.

Download and Install WebLogic Portal 9.2 MP2 on Red Hat Enterprise Linux 5.0 on Itanium

To install WebLogic Portal on Red Hat Enterprise Linux 5.0 on Itanium:

1. Go to `Oracle Technology Network` or `Oracle E-Delivery` and download WebLogic Portal for Red Hat Enterprise Linux.

> **Note:** For important information about how to download BEA products refer to *BEA Product Download Changes* (Document ID **762254.1** and **763603.1**) at `https://support.oracle.com/`.

> **Note:** The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

2. Install WebLogic Portal using the instructions in Using Installers with Filenames Ending in .bin in the Products Installation Guide. This section describes the process of installing `.bin` files in the Graphical mode.

Download and Install WebLogic Integration 9.2 MP2 on Red Hat Enterprise Linux 5.0 on Itanium

To install WebLogic Integration on Red Hat Enterprise Linux 5.0 on Itanium:

1. Go to `Oracle Technology Network` or `Oracle E-Delivery` and download WebLogic Integration for Red Hat Enterprise Linux.

   Note: For important information about how to download BEA products refer to *BEA Product Download Changes* (Document ID **762254.1** and **763603.1**) at `https://support.oracle.com/`.

   Note: The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

2. Install WebLogic Portal using the instructions in Using Installers with Filenames Ending in .bin in the Products Installation Guide. This section describes the process of installing `.bin` files in the Graphical mode.

WebLogic Platform 9.2 on Red Hat Enterprise Linux 5.0

WebLogic Platform 9.2 and AquaLogic Service Bus on Red Hat Enterprise Linux 4.0

This section provides the following information:

- Configuration Requirements

- Known Issues

- Download and Install Instructions

- Download and Apply Patches

Related Information

- For information about supported database configurations, Web servers, browsers, interoperability tools, and product support, see:

  - *AquaLogic Service Bus 2.5 Supported Configurations*

  - *AquaLogic Service Bus 2.6 Supported Configurations*

  - *Supported Configurations for WebLogic Platform 9.2*

- For information about Red Hat Enterprise Linux, see the following Red Hat Web site:

  `http://www.redhat.com`

- For information about known issues with the Azul Virtual Machine, see `http://www.azulsystems.com`

Configuration Requirements

The following section provides requirements for products supported on this configuration:

Table 8-1 Requirements for Red Hat Enterprise Linux 4.0 on x86

Operating System Version and Patches	WebLogic 9.2, 9.2 MP1, 9.2 MP2, 9.2 MP3
	• Red Hat Enterprise Linux 4.0 AS, ES, WS and any dot release higher than dot zero (or later updates) in RHEL 4 are supported. For example, RHEL 4.3 is supported.
	WebLogic 9.2 MP4
	• Red Hat Enterprise Linux 4 (UL7+) AS, ES, WS and any dot release higher than dot seven (or later updates) in RHEL 4 are supported.
	Note: Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	x86 (400 MHz)

Table 8-1 Requirements for Red Hat Enterprise Linux 4.0 on x86

JDK	• 9.2: JRockit 5.0 (R26.0.0-189_CR269406) JDK (32-bit) and all later 5.0 releases of JRockit
	• 9.2 MP1: JRockit 5.0 (R26.4.0 + CR302700) JDK (32-bit) and all later 5.0 releases of JRockit
	• 9.2 MP2: JRockit 5.0 (R27.2.0-131) JDK (32-bit) and all later 5.0 releases of JRockit
	• 9.2 MP3: JRockit 5.0 (R27.4) JDK (32-bit) and all later 5.0 releases of JRockit
	• 9.2 MP4 JRockit 5.0 (R27.6.6+) JDK (32-bit) and all later 5.0 releases of JRockit
	• Azul Virtual Machine 2.3.2 and later patches
	WebLogic Server 9.2 MP3: Sun Java 2 JDK 5.0 Update 12 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 5.0
RAM	1 GB minimum, 2 GB recommended
Performance Pack	`server/native/linux/i686/libmuxer.so`
Product Support	• WebLogic Server 9.2, 9.2 MP1, 9.2 MP2, 9.2 MP3, 9.2 MP4
	• WebLogic Portal 9.2, 9.2 MP1, 9.2 MP2, 9.2 MP3
	• WebLogic Integration 9.2, 9.2 MP1, 9.2 MP2, 9.2 MP3
	• AquaLogic Service Bus 2.5 on WLS 9.2
	• AquaLogic Service Bus 2.6 on WLS 9.2 MP1
	• AquaLogic Service Bus 2.6 RP1 on WLS 9.2 MP2
Design and Development Tools	• Workshop for WebLogic Platform 9.2 (IDE) and later MPs: Not supported.
	• WebLogic Integration IDE for WebLogic Platform 9.2 and later MPs: Not Supported
	• AquaLogic Service Bus 2.5 and AquaLogic Service Bus 2.6 Data Transformation Tools: Not supported

Table 8-2 Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon with 32-bit JDK

Operating System Version and Patches	WebLogic 9.2, 9.2 MP1, 9.2 MP2, 9.2 MP3 • Red Hat Enterprise Linux AS, ES, WS release 4 (Nahant Update 2) and any dot release higher than dot two (or later updates) in RHEL 4 are supported. For example, RHEL 4.3 is supported. WebLogic 9.2 MP4 • Red Hat Enterprise Linux 4 (UL7+) AS, ES, WS and any dot release higher than dot seven (or later updates) in RHEL 4 are supported. **Note:** Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• AMD64 (1.201 GHz) • 64-bit Xeon (1.201 GHz)
JDK	• 9.2: JRockit 5.0 (R26.0.0-189_CR269406) JDK (32 bit) and all later 5.0 releases • 9.2 MP1: JRockit 5.0 (R26.4.0 + CR302700) JDK (32-bit) and all later 5.0 releases of JRockit • 9.2 MP2: JRockit 5.0 (R27.2.0-131) JDK (32-bit) and all later 5.0 releases of JRockit • 9.2 MP3: JRockit 5.0 (R27.4) JDK (32-bit) and all later 5.0 releases of JRockit • 9.2 MP4 JRockit 5.0 (R27.6.6+) JDK (32-bit) and all later 5.0 releases of JRockit 9.2 MP3: Sun Java 2 JDK 5.0 Update 12 with the Java HotSpot™ Client and Server VMs (32-bit) and all later service packs of 5.0 (Supported for WebLogic Server only)
RAM	1 GB minimum
Performance Pack	`server/native/linux/i686/libmuxer.so`

Table 8-2 Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon with 32-bit JDK

Product Support	• WebLogic Server 9.2, 9.2 MP1, 9.2 MP2, 9.2 MP3, 9.2 MP4
	• WebLogic Portal 9.2, 9.2 MP1, 9.2 MP2, 9.2 MP3
	• WebLogic Integration 9.2, 9.2 MP1, 9.2 MP2, 9.2 MP3
	• AquaLogic Service Bus 2.5 on WLS 9.2
	• AquaLogic Service Bus 2.6 on WLS 9.2 MP1
	• AquaLogic Service Bus 2.6 RP1 on WLS 9.2 MP2
Design and Development Tools	• Workshop for WebLogic Platform 9.2 (IDE) and later MPs: Not supported
	• WebLogic Integration IDE for WebLogic Platform 9.2 and later MPs: Not Supported
	• AquaLogic Service Bus Data 2.5 and AquaLogic Service Bus 2.6 Transformation Tools on WebLogic Server 9.2: Not supported.

Table 8-3 Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon with 64-bit JDK

Operating System Version and Patches	WebLogic 9.2, 9.2 MP1, 9.2 MP2, 9.2 MP3
	• Red Hat Enterprise Linux AS, ES, WS release 4 (Nahant Update 2) and any dot release higher than dot two (or later updates) in RHEL 4 are supported. For example, RHEL 4.3 is supported.
	WebLogic 9.2 MP4
	• Red Hat Enterprise Linux 4 (UL7+) AS, ES, WS and any dot release higher than dot seven (or later updates) in RHEL 4 are supported.
	Note: Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• AMD64 (1.201 GHz)
	• 64-bit Xeon (1.201 GHz)

Table 8-3 Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon with 64-bit JDK

JDK	• 9.2: JRockit 5.0 (R26.0.0-189_CR269406) JDK (64 bit) and all later 5.0 releases • 9.2 MP1: JRockit 5.0 (R26.4.0 + CR302700) JDK (64-bit) and all later 5.0 releases of JRockit • 9.2 MP2: JRockit 5.0 (R27.2.0-131) JDK (64-bit) and all later 5.0 releases of JRockit • 9.2 MP3: JRockit 5.0 (R27.4) JDK (64-bit) and all later 5.0 releases of JRockit • 9.2 MP4 JRockit 5.0 (R27.6.6+) JDK (64-bit) and all later 5.0 releases of JRockit
	9.2 MP3: Sun Java 2 JDK 5.0 Update 12 with the Java HotSpot™ Client and Server VMs (64-bit) and all later service packs of 5.0 (Supported for WebLogic Server only)
RAM	1 GB minimum
Performance Pack	`server/native/linux/x86_64/libmuxer.so`
Product Support	• WebLogic Server 9.2, 9.2 MP1, 9.2 MP2, 9.2 MP3, 9.2 MP4 • WebLogic Portal 9.2, 9.2 MP1, 9.2 MP2, 9.2 MP3 • WebLogic Integration 9.2, 9.2 MP1, 9.2 MP2, 9.2 MP3
Design and Development Tools	• Workshop for WebLogic Platform 9.2 (IDE) and later MPs: Not supported • WebLogic Integration IDE for WebLogic Platform 9.2 and later MPs: Not Supported

Table 8-4 Requirements for Red Hat Enterprise Linux 4.0 on Itanium

Operating System Version and Patches	WebLogic 9.2, 9.2 MP1, 9.2 MP2, 9.2 MP3 • Red Hat Enterprise Linux AS, ES, WS release 4 (Nahant Update 2) and any dot release higher than dot two (or later updates) in RHEL 4 are supported. For example, RHEL 4.3 is supported. WebLogic 9.2 MP4 • Red Hat Enterprise Linux 4 (UL7+) AS, ES, WS and any dot release higher than dot seven (or later updates) in RHEL 4 are supported. **Note:** Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	Itanium (1.5 GHz)
JDK	• 9.2: JRockit 5.0 (R26.0.0-189_CR269406) JDK (64-bit) and all later 5.0 releases • 9.2 MP1: JRockit 5.0 (R26.4.0 + CR302700) JDK (64-bit) and all later 5.0 releases of JRockit • 9.2 MP2: JRockit 5.0 (R27.2.0-131) JDK (64-bit) and all later 5.0 releases of JRockit • 9.2 MP3: JRockit 5.0 (R27.4) JDK (64-bit) and all later 5.0 releases of JRockit • 9.2 MP4 JRockit 5.0 (R27.6.6+) JDK (64-bit) and all later 5.0 releases of JRockit
RAM	1 GB minimum
Performance Pack	`server/native/linux/ia64/libmuxer.so`

Table 8-4 Requirements for Red Hat Enterprise Linux 4.0 on Itanium

Product Support	• WebLogic Server 9.2, 9.2 MP1, 9.2 MP2, 9.2 MP3, 9.2 MP4
	• WebLogic Portal 9.2, 9.2 MP1, 9.2 MP2, 9.2 MP3
	• WebLogic Integration 9.2, 9.2 MP1, 9.2 MP2, 9.2 MP3
	• AquaLogic Service Bus 2.6 on WLS 9.2 MP1
	• AquaLogic Service Bus 2.6 RP1 on WLS 9.2 MP2
Design and Development Tools	• Workshop for WebLogic Platform 9.2 (IDE) and later MPs: Not supported
	• WebLogic Integration IDE for WebLogic Platform 9.2 and later MPs: Not Supported
	• AquaLogic Service Bus Data 2.6 Transformation Tools on WebLogic Server 9.2: Not supported.

Known Issues

- Serial Version UID Mismatch
- Issues Related to Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon
- Issues Related to Red Hat Enterprise Linux 4.0 on AMD64, 64-bit Xeon, and Itanium when Using Remote Autonomy
- Known Issues When Using the Azul Virtual Machine
- Issues Related to Other Products

Serial Version UID Mismatch

A Serial Version UID Mismatch Issue may be encountered if you deploy an application on a latest JVM, but compiled with an earlier JDK release.

Workaround: To be compatible with the serialization of previously compiled applications, modify the `<BEA_HOME>/Weblogic92/common/bin/commEnv.sh` file to include the following command:

```
JAVA_OPTIONS="$JAVA_OPTIONS -Dcom.sun.xml.namespace.QName.useCompatible
SerialVersionUID=1.0"
```

Note: If you intend to deploy new applications with previously compiled applications, they must be recompiled as necessary to have the same Serial Version UID.

Issues Related to Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon

This section describes known issues that occur when you run WebLogic Server 9.2 and later MPs on Red Had Enterprise Linux 4.0 systems based on the AMD64 and 64-bit Xeon chip architecture.

JVM Stack Overflow

You might encounter a JVM stack overflow error or exception while running WebLogic Server.

Workaround: Increase the stack size from the default 128k to 256k.

Exception Encountered on Systems with Mounted NFS File Systems

You might encounter the following exception while installing WebLogic Server and WebLogic Portal on a system that has NFS file systems mounted:

```
"Caused by:  java.lang.IllegalArgumentException: Can not list file system
roots on this computer"
```

Workaround: Ensure that you have at least 600MB of free disk space before installing WebLogic Server and use the `-Dspace.detection=false` flag while installing. For example:

```
java -Dspace.detection=false -jar server920_generic.jar -mode=console
```

WebLogic JMS C API

You may encounter problems using the WebLogic JMS C API with Red Hat Enterprise Linux 4.0 Update 2.

Workaround: Upgrade to Red Hat Enterprise Linux 4.0 Update 3.

Issues Related to Red Hat Enterprise Linux 4.0 on AMD64, 64-bit Xeon, and Itanium when Using Remote Autonomy

See Using a Remote Autonomy Installation in *Supported Configurations for* WebLogic Platform *9.2.*

Known Issues When Using the Azul Virtual Machine

A serial version UID mismatch is encountered when using WLS 9.2

Workaround: Create a Master Azul arguments file `azul.java.vminitargs.post` in Azul's `JAVA_HOME` if its not present and include:

```
-Dcom.sun.xml.namespace.QName.useCompatibleSerialVersionUID=1.0
```

Issues Related to Other Products

For information about known issues with products supported on this configuration, including available workarounds, see the appropriate *Release Notes* document.

Issues related to...	Are described in...
AquaLogic Service Bus	*AquaLogic Service Bus Release Notes:* http://e-docs.bea.com/alsb/docs25/relnotes/relnotes.html http://e-docs.bea.com/alsb/docs26/relnotes/relnotes.html
WebLogic Server	*Oracle WebLogic Server Release Notes, Release 9.2 MP4 (9.2.4):* Refer to Document ID **1125333.1** at https://support.oracle.com *Oracle WebLogic Server 9.2 Known and Resolved Issues:* http://edocs.bea.com/wls/docs92/issues/known_resolved.html
Installation and Configuration	*Products Installation and Configuration Release Notes*: http://e-docs.bea.com/common/docs92/relnotes/relnotes.html
WebLogic Portal	*WebLogic Portal 9.2 Release Notes*: http://e-docs.bea.com/wlp/docs92/relnotes/index.html
Workshop for WebLogic Platform	*Workshop Product Family Release Notes*: http://e-docs/workshop/docs92/relnotes/index.html
WebLogic Integration	*WebLogic Integration 9.2 Release Notes*: http://e-docs.bea.com/wli/docs92/relnotes/index.html

Download and Install Instructions

Download and Install JRockit 5.0

Complete the following procedure:

1. Download and install the supported version of JRockit JDK for Intel 64-bit Xeon and AMD64:

   – Linux (Intel EM64T & AMD64 - 64 bit)

   – Linux (x86 - 32 bit)

   > **Note:** For important information about how to download BEA products refer to *BEA Product Download Changes* (Document ID **762254.1** and **763603.1**) at `https://support.oracle.com/`.
   >
   > The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

2. Set the `JAVA_HOME` environment variable to the directory in which JRockit is installed and export `JAVA_HOME`. For example:

   ```
   export JAVA_HOME=/opt/java5/
   ```

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

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

Red Hat Enterprise Linux 4.0 on x86

There are no special installation instructions for Red Hat Enterprise Linux 4.0 on x86. For the standard method of installing products, see *Products Installation Guide*.

Red Hat Enterprise Linux 4.0 on 64-bit Xeon and AMD64

Complete the following procedures:

1. Depending on your requirements:

   a. "Download and Install WebLogic Server 9.2 and Later MPs on Red Hat Enterprise Linux 4.0 on 64-bit Xeon and AMD64" on page 8-13

   b. "Download and Install WebLogic Portal 9.2 and Later MPs on Red Hat Enterprise Linux 4.0 on AMD64 and 64-Bit Xeon" on page 8-14

   c. "Download and Install WebLogic Integration 9.2 and Later MPs on Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon" on page 8-15

d. "Download and Install AquaLogic Service Bus on Red Hat Enterprise Linux 4.0 on 64-bit Xeon and AMD64" on page 8-16

2. "Download and Apply Patches" on page 8-20

Download and Install WebLogic Server 9.2 and Later MPs on Red Hat Enterprise Linux 4.0 on 64-bit Xeon and AMD64

To install WebLogic Server on RHEL 4.0

1. "Download and Install JRockit 5.0" on page 8-11.

2. Go to `Oracle E-Delivery` and use the following information to download WebLogic Server 9.2 Maintenance Packs:

   a. Select Product Pack "Oracle BEA".

   b. Select the operating system.

   c. Select the appropriate media pack for the BEA WebLogic product that you want to download. For example, if you want to download WebLogic Server for Microsoft Windows (32-bit), select the media pack "BEA WebLogic Media Pack for Microsoft Windows (32-bit)".

   d. Select the part number for the WebLogic Server 9.2 Maintenance Pack and download the zip file. For example, select the part number corresponding to the description "WebLogic Server 9.2 MP4 for Microsoft Windows (32-bit)" and download the zip file.

   e. Extract files from the downloaded zip file and install the product by following the procedure described in the *Installation Guide*.

   Note: For important information about how to download BEA products refer to *BEA Product Download Changes* (Document ID **762254.1** and **763603.1**) at `https://support.oracle.com/`.

   Note: The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

   If your configuration includes the 64-bit version of JRockit, your installation of WebLogic Server is now complete. If your configuration includes the 32-bit version, however, you must also complete the following steps:

3. Set the `BEA_HOME` to point to the directory in which WebLogic Server is installed and export `BEA_HOME`. For example:

```
export BEA_HOME=<your_WebLogic_Server_installation_directory>
```

4. In a text editor, open the `$BEA_HOME/weblogic92/common/bin/commEnv.sh` and search for the following case statement:

```
LINUX|Linux)
arch='uname -m'
```

Replace with the following:

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

Download and Install WebLogic Portal 9.2 and Later MPs on Red Hat Enterprise Linux 4.0 on AMD64 and 64-Bit Xeon

To install WebLogic Portal on Red Hat Enterprise Linux 4.0 on AMD64 and 64-Bit Xeon:

1. "Download and Install JRockit 5.0" on page 8-11.

2. Go to `Oracle Technology Network` or `Oracle E-Delivery` and download WebLogic Portal for Red Hat Enterprise Linux.

   Note: For important information about how to download BEA products refer to *BEA Product Download Changes* (Document ID **762254.1** and **763603.1**) at `https://support.oracle.com/`.

   Note: The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

3. Install WebLogic Portal using the instructions in Using Installers with Filenames Ending in .jar in the Products Installation Guide. This section describes the process of installing .jar files in the Graphical mode.

If your configuration includes the 64-bit version of jRockit, your installation of WebLogic Portal is now complete. If your configuration includes the 32-bit version of jRockit, however, you must also complete the following steps:

4. Set the `BEA_HOME` variable to point to the directory in which WebLogic Portal is installed and export `BEA_HOME`. For example:

```
export BEA_HOME=<your_Portal_installation_directory>
```

5. In a text editor, open the `$BEA_HOME/weblogic92/common/bin/commEnv.sh` and search for the following case statement:

```
LINUX|Linux)
arch=’uname -m’
```

Replace with the following:

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

Download and Install WebLogic Integration 9.2 and Later MPs on Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon

To install WebLogic Portal on Red Hat Enterprise Linux 4.0 on AMD64 and 64-bit Xeon:

1.

2. Go to `Oracle Technology Network` or `Oracle E-Delivery` and download WebLogic Integration for Red Hat Enterprise Linux.

   Note: For important information about how to download BEA products refer to *BEA Product Download Changes* (Document ID **762254.1** and **763603.1**) at `https://support.oracle.com/`.

   Note: The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

3. Install WebLogic Integration using the instructions in Using Installers with Filenames Ending in .jar in the Products Installation Guide. This section describes the process of installing .jar files in the Graphical mode.

4. Set *BEA_HOME* to point to the directory in which WebLogic Integration is installed and export *BEA_HOME*. For example:

```
export BEA_HOME=<your_WebLogic_Integration_installation_directory>
```

If your configuration includes the 64-bit version of jRockit, your installation of WebLogic Portal is now complete. If your configuration includes the 32-bit version of jRockit, however, you must also complete the following steps:

5. Set the *BEA_HOME* variable to point to the directory in which WebLogic Portal is installed and export *BEA_HOME*. For example:

```
export BEA_HOME=<your_Portal_installation_directory>
```

6. In a text editor, open the $BEA_HOME/weblogic92/common/bin/commEnv.sh and search for the following case statement:

```
LINUX|Linux)
arch='uname -m'
```

Replace with the following:

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

Download and Install AquaLogic Service Bus on Red Hat Enterprise Linux 4.0 on 64-bit Xeon and AMD64

To install the AquaLogic Service Bus on Red Hat Enterprise Linux 4.0:

1. Go to Oracle Technology Network or Oracle E-Delivery and download AquaLogic Service Bus for Red Hat Enterprise Linux.

   Note: For important information about how to download BEA products refer to *BEA Product Download Changes* (Document ID **762254.1** and **763603.1**) at https://support.oracle.com/.

> **Note:** The BEA Download Center (i.e. http://commerce.bea.com) will be
> decommissioned on February 2, 2009. After this time, customers will be able to
> download the BEA software from Oracle's E-delivery portal
> (http://edelivery.oracle.com) or Oracle Technology Network
> (http://otn.oracle.com).

2. Install AquaLogic Service Bus by completing the console-mode installation procedure for
   `.bin` files available at

   – For ALSB 2.5, see Starting the Installation Program on UNIX Platforms for .bin
     installer in the *AquaLogic Service Bus™ 2.5 Installation Guide*.

   – For ALSB 2.6, see Starting the Installation Program on UNIX Platforms for .bin
     installer in the *AquaLogic Service Bus™ 2.6 Installation Guide*.

3. Set the `BEA_HOME` variable to point to the directory in which AquaLogic Service Bus is
   installed and export `BEA_HOME`. For example:

   ```
   export BEA_HOME=<your_AquaLogic_installation_directory>
   ```

4. In a text editor, open the `$BEA_HOME/weblogic92/common/bin/commEnv.sh` and search
   for the following case statement:

   ```
   LINUX|Linux)
   arch='uname -m'
   ```

   Replace with the following:

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

Red Hat Enterprise Linux 4.0 on Itanium

Complete the following procedures:

1. Depending on your requirements:

   a. Download and Install WebLogic Server 9.2 and Later MPs on Red Hat Enterprise Linux
      4.0 on Itanium

   b. Download and Install WebLogic Portal 9.2 and Later MPs on Red Hat Enterprise Linux
      4.0 on Itanium

   c. Download and Install WebLogic Integration 9.2 and Later MPs on Red Hat Enterprise Linux 4.0 on Itanium

   d. "Download and Install AquaLogic Service Bus on Red Hat Enterprise Linux 4.0 on Itanium" on page 8-19

2. "Download and Apply Patches" on page 8-20

Download and Install WebLogic Server 9.2 and Later MPs on Red Hat Enterprise Linux 4.0 on Itanium

To install WebLogic Server on Red Hat Enterprise Linux 4.0 for Itanium:

1. Go to `Oracle Technology Network` or `Oracle E-Delivery` and download WebLogic Server for Red Hat Enterprise Linux.

   Note: For important information about how to download BEA products refer to *BEA Product Download Changes* (Document ID **762254.1** and **763603.1**) at `https://support.oracle.com/`.

   Note: The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

2. Install WebLogic Server using the instructions provided in Using Installers with Filenames Ending in .bin in *WebLogic Server 9.2 Installation Guide*.

For more information on installing WebLogic Server, refer to the WebLogic Server 9.2 Installation Guide.

Download and Install WebLogic Portal 9.2 and Later MPs on Red Hat Enterprise Linux 4.0 on Itanium

To install WebLogic Portal on Red Hat Enterprise Linux 4.0 on Itanium:

1. Go to `Oracle Technology Network` or `Oracle E-Delivery` and download WebLogic Portal for Red Hat Enterprise Linux.

   Note: For important information about how to download BEA products refer to *BEA Product Download Changes* (Document ID **762254.1** and **763603.1**) at `https://support.oracle.com/`.

> **Note:** The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

2. Install WebLogic Portal using the instructions in Using Installers with Filenames Ending in .bin in the Products Installation Guide. This section describes the process of installing .bin files in the Graphical mode.

Download and Install WebLogic Integration 9.2 and Later MPs on Red Hat Enterprise Linux 4.0 on Itanium

To install WebLogic Integration on Red Hat Enterprise Linux 4.0 on Itanium:

1. Go to Oracle Technology Network or Oracle E-Delivery and download WebLogic Integration for Red Hat Enterprise Linux.

> **Note:** For important information about how to download BEA products refer to *BEA Product Download Changes* (Document ID **762254.1** and **763603.1**) at https://support.oracle.com/.

> **Note:** The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

2. Install WebLogic Portal using the instructions in Using Installers with Filenames Ending in .bin in the Products Installation Guide. This section describes the process of installing .bin files in the Graphical mode.

Download and Install AquaLogic Service Bus on Red Hat Enterprise Linux 4.0 on Itanium

To install the AquaLogic Service Bus on Red Hat Enterprise Linux 4.0 on Itanium:

1. Go to Oracle Technology Network or Oracle E-Delivery and download AquaLogic Service Bus for Red Hat Enterprise Linux.

> **Note:** For important information about how to download BEA products refer to *BEA Product Download Changes* (Document ID **762254.1** and **763603.1**) at https://support.oracle.com/.

> **Note:** The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

2. Install AquaLogic Service Bus by completing the console-mode installation procedure for `.bin` files available at Starting the Installation Program on UNIX Platforms in the *AquaLogic Service Bus™ 2.6 Installation Guide*.

Download and Apply Patches

Download and install the following patches for Red Hat Enterprise Linux 4.0 using Oracle Smart Update:

WLP 9.2

- Patch ID: DY4Y Pass Code: GL8HWQWZ (Required for Remote Autonomy for AMD64, 64-bit Xeon, and Itanium, see Post-Installation Instructions for Smart Update Patch DY4Y.)

For more information on the Smart Update tool, refer to http://download.oracle.com/docs/cd/E14759_01/index.htm.

WebLogic Server 9.1 and Related Products on Red Hat Enterprise Linux 4.0

Products Supported on this Configuration

Product	Version
AquaLogic Service Bus	2.1
WebLogic Server	9.1

This section provides the following information:

- Configuration Requirements

- Known Issues

- Download and Install Instructions for Red Hat Enterprise Linux 4.0 on AMD64 and 64-Bit Xeon

Related Information

- For information about supported database configurations, Web servers, browsers, and interoperability tools, plus product support for AquaLogic Service Bus 2.1 and WebLogic Server 9.1, see:

  - *AquaLogic Service Bus 2.1 Supported Configurations*

  - *WebLogic Server 9.1 Supported Configurations*

● For information about Red Hat Enterprise Linux, see the following Red Hat Web site:

    http://www.redhat.com

Configuration Requirements

WebLogic Server 9.1 is supported on Red Hat Enterprise Linux 4.0 on both AMD64 and 64-Bit Xeon hardware. WebLogic Server 9.1 on Red Hat Enterprise Linux 4.0 is also supported on x86 and Itanium. For detailed requirements for these configurations, see the appropriate table:

● Requirements for Red Hat Enterprise Linux 4.0 on x86

● Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-Bit Xeon with 32-bit JDK

● Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-Bit Xeon with 64-bit JDK (WebLogic Server Only)

● Requirements for Red Hat Enterprise Linux 4.0 on Itanium (WebLogic Server Only)

Table 9-1 Requirements for Red Hat Enterprise Linux 4.0 on x86

Operating System Version and Patches	Red Hat Enterprise Linux 4.0 AS, ES, WS and any dot release higher than dot zero (or later updates) in RHEL 4 are supported. For example, RHEL 4.3 is supported.
	Note: Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	Xeon, Pentium II or higher, x86, and compatible chip architectures (400 MHz)
JDK	JRockit 5.0 (R26.0.0) JDK (32-bit) and all later 5.0 releases of JRockit
RAM	1 GB minimum
Performance Pack	`server/native/linux/i686/libmuxer.so`
Design and Development Tools	• WebLogic Server development tools are supported. • The AquaLogic Service Bus Data Transformation Tools are not supported on this configuration.

Table 9-2 Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-Bit Xeon with 32-bit JDK

Operating System Version and Patches	Red Hat Enterprise Linux 4.2 AS, ES, WS and any dot release higher than dot two (or later updates) in RHEL 4 are supported. For example, RHEL 4.3 is supported.
	Note: Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• AMD64 (1.201 GHz) • 64-Bit Xeon (1.201 GHz)
JDK	JRockit 5.0 (R26.0.0) JDK (32-bit) and all later 5.0 releases of JRockit
RAM	1 GB minimum
Performance Pack	`server/native/linux/i686/libmuxer.so`
Design and Development Tools	• WebLogic Server development tools are supported. • The AquaLogic Service Bus Data Transformation Tools are not supported on this configuration.

Table 9-3 Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-Bit Xeon with 64-bit JDK (WebLogic Server Only)

Operating System Version and Patches	Red Hat Enterprise Linux 4.2 AS, ES, WS and any dot release higher than dot two (or later updates) in RHEL 4 are supported. For example, RHEL 4.3 is supported.
	Note: Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• AMD64 (1.201 GHz) • 64-Bit Xeon (1.201 GHz)
JDK	JRockit 5.0 (R26.0.0) JDK (64-bit) and all later 5.0 releases of JRockit

Table 9-3 Requirements for Red Hat Enterprise Linux 4.0 on AMD64 and 64-Bit Xeon with 64-bit JDK (WebLogic Server Only)

RAM	1 GB minimum
Performance Pack	`server/native/linux/x86_64/libmuxer.so`
Design and Development Tools	WebLogic Server development tools are supported.

Table 9-4 Requirements for Red Hat Enterprise Linux 4.0 on Itanium (WebLogic Server Only)

Operating System Version and Patches	Red Hat Enterprise Linux 4.2 AS, ES, WS and any dot release higher than dot two (or later updates) in RHEL 4 are supported. For example, RHEL 4.3 is supported.
	Note: Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	Itanium (1.5 GHz)
JDK	JRockit 5.0 R26 JDK (R26.0.0-188) and all later 5.0 releases
RAM	1 GB minimum
Performance Pack	`server/native/linux/ia64/libmuxer.so`
Design and Development Tools	WebLogic Server development tools are supported.

Known Issues

-

-

-

Serial Version UID Mismatch

A Serial Version UID Mismatch Issue may be encountered if you deploy an application on a latest JVM, but compiled with an earlier JDK release.

Workaround: To be compatible with the serialization of previously compiled applications, modify the `<BEA_HOME>/Weblogic91/common/bin/commEnv.sh` file to include the following command:

```
JAVA_OPTIONS="$JAVA_OPTIONS -Dcom.sun.xml.namespace.QName.useCompatible
SerialVersionUID=1.0"
```

Note: If you intend to deploy new applications with previously compiled applications, they must be recompiled as necessary to have the same Serial Version UID.

Issues Related to Red Hat Enterprise Linux 4.0 on AMD64 and 64-Bit Xeon

This section describes known issues that occur when you run WebLogic Server 9.1 on Red Hat Enterprise Linux 4.0 systems based on the AMD64 and 64-Bit Xeon chip architecture.

JVM Stack Overflow

You might encounter a JVM stack overflow error or exception while running WebLogic Server on the Red Hat Enterprise Linux 4.0 AS on 64-Bit Xeon configuration.

Workaround: Increase the stack size from the default 128k to 256k.

Exception Encountered on Systems with Mounted NFS File Systems

You might encounter the following exception while installing WebLogic Server on a system that has NFS file systems mounted:

```
"Caused by: java.lang.IllegalArgumentException: Can not list file system
roots on this computer"
```

Workaround: Ensure that you have at least 600MB of free disk space before installing WebLogic Server and use the `-Dspace.detection=false` flag while installing. The installation command will look like:

```
java -Dspace.detection=false -jar server910_generic.jar -mode=console
```

Restriction on Using JMS C APIs with 64-bit JDK and Red Hat Enterprise Linux 4.0 Update 2

Using JMS C APIs with 64-bit JDK and Red Hat Enterprise Linux 4.0 Update 2 will not work.

Workaround: Upgrade to Red Hat Enterprise Linux 4.0 (Update 3)

Issues Related to Other Products

For information about known issues with products supported on this configuration, including available workarounds, see the appropriate *Release Notes* document.

Issues related to...	Are described in...
AquaLogic Service Bus	*AquaLogic Service Bus Release Notes:* http://e-docs.bea.com/alsb/docs21/relnotes/relnotes.html
WebLogic Server	*WebLogic Server Known and Resolved Issues:* http://e-docs.bea.com/wls/docs91/issues/known_resolved.html
Installation and Configuration	*Products Installation and Configuration Release Notes*: http://e-docs.bea.com/common/docs91/relnotes/relnotes.html

Download and Install Instructions

The following sections describe the steps required to download and install Red Hat Enterprise Linux on the AMD64, 64-Bit Xeon and Itanium Configurations. Refer to the appropriate section for more information:

- Download and Install Instructions for Red Hat Enterprise Linux 4.0 on AMD64 and 64-Bit Xeon

- Download and Install Instructions for Red Hat Enterprise Linux 4.0 on Itanium

Download and Install Instructions for Red Hat Enterprise Linux 4.0 on AMD64 and 64-Bit Xeon

The following sections describe the steps to download and install WebLogic Server 9.1, AquaLogic Service Bus 2.1 and JRockit 5.0 for the Red Hat Enterprise Linux 4.0 on AMD64 and 64-Bit Xeon configurations.

Note: The AquaLogic Service Bus 2.1 installer includes the JRockit JDK. You do not need to install it separately.

The steps are described in the following sections:

- Downloading and Installing JRockit 5.0 R26 JDK

- Downloading and Installing the WebLogic Server 9.1 Package Installer

- Downloading and Installing AquaLogic Service Bus 2.1

Downloading and Installing JRockit 5.0 R26 JDK

1. Download and install the version of the JRockit 5.0 R26 JDK that you want to use:

   – Linux (Intel EM64T & AMD64 - 64 bit)

   – Linux (x86 - 32 bit)

   Note: For information on how to download BEA products refer to My Oracle Support Note 762254.1 and My Oracle Support Note 763603.1.

   The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

2. Update the `JAVA_HOME` environment variable to reflect the JDK installation directory. For example:

   ```
   export JAVA_HOME=<JRockit_installation _directory>
   ```

3. Add your Java executables to the `PATH` environment variable:

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

Downloading and Installing the WebLogic Server 9.1 Package Installer

1. Go to `Oracle Technology Network` or `Oracle E-Delivery` and download WebLogic Server for Red Hat Enterprise Linux.

    Note: For important information on how to download BEA products refer to My Oracle Support Note 762254.1 and My Oracle Support Note 763603.1.

    Note: The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

2. Install WebLogic Server using the instructions provided in the "Using Installers with Filenames Ending in .jar" section of the *WebLogic Server 9.1 Installation Guide*.

For more information on installing WebLogic Server, refer to the WebLogic Server 9.1 Online Documentation.

Downloading and Installing AquaLogic Service Bus 2.1

The steps required to install AquaLogic Service Bus are as follows:

1. Go to `Oracle Technology Network` or `Oracle E-Delivery` and download WebLogic AquaLogic Service Bus for Red Hat Enterprise Linux.

    Note: For important information on how to download BEA products refer to My Oracle Support Note 762254.1 and My Oracle Support Note 763603.1.

    Note: The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

2. Install AquaLogic Service Bus 2.1 by completing the console-mode installation procedure for .bin files available at: http://e-docs.bea.com/common/docs21/install/start.html.

Download and Install Instructions for Red Hat Enterprise Linux 4.0 on Itanium

This section describes the steps to download and install WebLogic Server 9.1 for the Red Hat Enterprise Linux 4.0 on Itanium configuration.

Note: You do not need to download JRockit 5.0 separately as it is bundled with the WebLogic Server 9.1 installer for Itanium.

Downloading and Installing WebLogic Server 9.1

To install WebLogic Server 9.1

1. Go to `Oracle Technology Network` or `Oracle E-Delivery` and download WebLogic Server for Red Hat Enterprise Linux.

    Note: For important information on how to download BEA products refer to My Oracle Support Note 762254.1 and My Oracle Support Note 763603.1.

    Note: The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

2. Install WebLogic Server using the instructions provided in the "Using Installers with Filenames Ending in .bin" section of the *WebLogic Server 9.1 Installation Guide*.

For more information on installing WebLogic Server, refer to the WebLogic Server 9.1 Online Documentation.

WebLogic Server 9.0 and Related Products on Red Hat Enterprise Linux 4.0

Products Supported on this Configuration

Product	Version
AquaLogic Service Bus	2.0
WebLogic Server	9.0

This section provides the following information:

- Configuration Requirements
- Known Issues
- Download and Installation Instructions

Related Information

- For information about supported database configurations, Web servers, browsers, and interoperability tools, plus product support for AquaLogic Service Bus 2.0 and WebLogic Server 9.0, see:

    – *AquaLogic Service Bus 2.0 Supported Configurations*

    – *WebLogic Server 9.0 Supported Configurations*

- For information about Red Hat Enterprise Linux, see the following Red Hat Web site:

  http://www.redhat.com

Configuration Requirements

WebLogic Server 9.0 and AquaLogic Service Bus 2.0 are supported on Red Hat Enterprise Linux 4.0 on both AMD64 and 64-Bit Xeon hardware. WebLogic Server 9.0 on Red Hat Enterprise Linux 4.0 is also supported on x86 and Itanium. For detailed requirements for these configurations, see the appropriate table:

- Requirements for Red Hat Enterprise Linux 4.0 on 64-Bit Xeon and AMD64 with 32-bit JDK

- Requirements for Red Hat Enterprise Linux 4.0 on x86 (for WebLogic Server 9.0 only)

- Requirements for Red Hat Enterprise Linux 4.0 on Itanium (for WebLogic Server 9.0 only)

- Requirements for Red Hat Enterprise Linux 4.0 on 64-Bit Xeon and AMD64 with 64-bit JDK (for WebLogic Server 9.0 only)

Table 10-1 Requirements for Red Hat Enterprise Linux 4.0 on 64-Bit Xeon and AMD64 with 32-bit JDK

Operating System Version and Patches	Red Hat Enterprise Linux 4.0 AS, ES, WS and any dot release higher than dot zero (or later updates) in RHEL 4 are supported. For example, RHEL 4.3 is supported. Note: Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• AMD64 (1.201 GHz) • 64-Bit Xeon (1.201 GHz)
JDK	JRockit 5.0 (R25.2.0-28) JDK SP2 and all later 5.0 releases (32-bit version)
RAM	1 GB minimum
Performance Pack	server/native/linux/i686/libmuxer.so
Design and Development Tools	• WebLogic Server development tools are supported. • The AquaLogic Service Bus Data Transformation Tools are not supported on this configuration.

Table 10-2 Requirements for Red Hat Enterprise Linux 4.0 on x86 (for WebLogic Server 9.0 only)

Operating System Version and Patches	Red Hat Enterprise Linux 4.0 AS, ES, WS and any dot release higher than dot zero (or later updates) in RHEL 4 are supported. For example, RHEL 4.3 is supported.
	Note: Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	Xeon, Pentium II or higher, x86, and compatible chip architectures (400 MHz)
JDK	JRockit 5.0 (R25.2.0-28) JDK SP2 and all later 5.0 releases
RAM	1 GB minimum
Performance Pack	`server/native/linux/i686/libmuxer.so`
Design and Development Tools	WebLogic Server development tools are supported.

Table 10-3 Requirements for Red Hat Enterprise Linux 4.0 on Itanium (for WebLogic Server 9.0 only)

Operating System Version and Patches	Red Hat Enterprise Linux 4.0 AS, ES, WS and any dot release higher than dot zero (or later updates) in RHEL 4 are supported. For example, RHEL 4.3 is supported.
	Note: Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	Itanium (1.5 GHz)
JDK	JRockit 5.0 R26 JDK (R26.0.0-188) and all later 5.0 releases
RAM	1 GB minimum

Table 10-3 Requirements for Red Hat Enterprise Linux 4.0 on Itanium (for WebLogic Server 9.0 only)

Performance Pack	`server/native/linux/ia64/libmuxer.so`
Design and Development Tools	WebLogic Server development tools are supported.

Table 10-4 Requirements for Red Hat Enterprise Linux 4.0 on 64-Bit Xeon and AMD64 with 64-bit JDK (for WebLogic Server 9.0 only)

Operating System Version and Patches	Red Hat Enterprise Linux 4.0 AS, ES, WS and any dot release higher than dot zero (or later updates) in RHEL 4 are supported. For example, RHEL 4.3 is supported.
	Note: Red Hat Enterprise Linux 4.x AS / ES is supported in a production environment. Red Hat Enterprise Linux 4.x WS (Workstation) is not supported for production server deployment; it is supported for the design, development, and verification of applications only.
Chip Architecture and Minimum Processor Speed	• AMD64 (1.5 GHz) • 64-Bit Xeon (1.5 GHz)
JDK	JRockit 5.0 R26 JDK (R26.0.0-188) and all later 5.0 releases (64-bit version)
RAM	1 GB minimum
Performance Pack	`server/native/linux/x86_64/libmuxer.so`
Design and Development Tools	WebLogic Server development tools are supported.

Known Issues

This section describes known issues that occur when WebLogic Server 9.0 is run on Red Hat Enterprise Linux 4.0 systems based on an Itanium, AMD64, or 64-Bit Xeon chip architecture. For descriptions of these issues and, when available, workarounds for them, see the appropriate section:

- Serial Version UID Mismatch
- Issues with Configurations Based on Itanium, AMD64, or 64-Bit Xeon

- Issues with Configurations Based on AMD64 or 64-Bit Xeon

- Related Information

Serial Version UID Mismatch

A Serial Version UID Mismatch Issue may be encountered if you deploy an application on a latest JVM, but compiled with an earlier JDK release.

Workaround: To be compatible with the serialization of previously compiled applications, modify the `<BEA_HOME>/Weblogic90/common/bin/commEnv.sh` file to include the following command:

```
JAVA_OPTIONS="$JAVA_OPTIONS -Dcom.sun.xml.namespace.QName.useCompatible
SerialVersionUID=1.0"
```

Note: If you intend to deploy new applications with previously compiled applications, they must be recompiled as necessary to have the same Serial Version UID.

Issues with Configurations Based on Itanium, AMD64, or 64-Bit Xeon

When installing WebLogic Server on a system that includes NFS mounted file systems, you may see the following exception:

```
"Caused by:  java.lang.IllegalArgumentException: Can not list file system
roots on this computer"
```

If you see this message, complete the following procedure:

1. Make sure you have a minimum of 600 MB of disk space.

2. Start the installation again, including the flag `-Dspace.detection=false`, as follows:

```
java -Dspace.detection=false –jar server900_generic.jar –mode=console
```

Issues with Configurations Based on AMD64 or 64-Bit Xeon

- If a JVM stack overflow error or exception occurs, increase the stack size from 128 KB (the default size) to 256 KB.

- JMS C APIs are not supported on 64-bit JDKs.

Related Information

For more information about known issues with products supported on this configuration, including available workarounds, see the appropriate *Release Notes* document.

Issues related to...	Are described in...
AquaLogic Service Bus	*AquaLogic Service Bus Release Notes:* http://e-docs.bea.com/alsb/docs20/relnotes/relnotes.html
WebLogic Server	*WebLogic Server Known and Resolved Issues:* http://e-docs.bea.com/wls/docs90/issues/known_resolved.html
Installation and configuration	*Products Installation and Configuration Release Notes*: http://e-docs.bea.com/common/docs90/relnotes/relnotes.html

Download and Installation Instructions

This section provides procedures for downloading and installing the software required to run WebLogic Server 9.0 on a configuration based on Red Hat Enterprise Linux 4.0 on either (a) Itanium, or (b) AMD64 or 64-Bit Xeon. See the instructions appropriate for your configuration:

- Instructions for Red Hat Enterprise Linux 4.0 on Itanium

- Instructions for Red Hat Enterprise Linux 4.0 on AMD64 or 64-Bit Xeon

Instructions for Red Hat Enterprise Linux 4.0 on Itanium

To install WebLogic Server 9.0 on a configuration comprising Red Hat Enterprise Linux 4.0-2 on Itanium, you must have JRockit 5.0 and the installer for WebLogic Server 9.0. This section provides instructions for:

- Downloading and Installing JRockit 5.0

- Downloading and Installing WebLogic Server 9.0

Downloading and Installing JRockit 5.0

1. Download and install the 64-bit JRockit™ 5.0 R26 JDK (R26.0.0-188) for Itanium-based machines hosting Linux systems.

   Note: For information on how to download BEA products refer to My Oracle Support Note 762254.1 and My Oracle Support Note 763603.1.

   The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

2. Update the JAVA_HOME environment variable to reflect the JDK installation directory. For example:

   ```
   export JAVA_HOME=<JRockit_installation_directory>
   ```

3. Add your Java executables to the PATH environment variable:

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

Downloading and Installing WebLogic Server 9.0

1. Go to Oracle Technology Network or Oracle E-Delivery and download WebLogic Server for Red Hat Enterprise Linux.

   Note: For important information on how to download BEA products refer to My Oracle Support Note 762254.1 and My Oracle Support Note 763603.1.

   Note: The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to

download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

2. In a browser, open *Products Installation Guide* and find the chapter called "Starting the Installation Program":

   http://e-docs.bea.com/common/docs90/install/start.html

   Scroll down to the heading called "Using Installers with Filenames Ending in .jar" and then, within that section, find "Starting Graphical-Mode Installation for .jar Installation Files.

3. Following the instructions, install WebLogic Server 9.0.

For more information, see *Products Installation Guide*.

Instructions for Red Hat Enterprise Linux 4.0 on AMD64 or 64-Bit Xeon

To install WebLogic Server 9.0 on a configuration comprising Red Hat Enterprise Linux 4.0 on AMD64 or 64-Bit Xeon hardware, you need JRockit 5.0 and the installer for WebLogic Server 9.0. This section provides instructions for:

- Downloading and Installing JRockit 5.0
- Downloading and Installing WebLogic Server 9.0

Downloading and Installing JRockit 5.0

1. Download and install the version of the JRockit 5.0 R26 JDK that you want to use:

   – Linux (Intel EM64T & AMD64 - 64 bit)

   – Linux (x86 - 32 bit)

   Note: For information on how to download BEA products refer to My Oracle Support Note 762254.1 and My Oracle Support Note 763603.1.

   The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

2. Update the `JAVA_HOME` environment variable to reflect the JDK installation directory. For example:

```
export JAVA_HOME=<JRockit_installation _directory>
```

3. Add your Java executables to the `PATH` environment variable:

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

Downloading and Installing WebLogic Server 9.0

1. Go to `Oracle Technology Network` or `Oracle E-Delivery` and download WebLogic Server for Red Hat Enterprise Linux.

   Note: For important information on how to download BEA products refer to My Oracle Support Note 762254.1 and My Oracle Support Note 763603.1.

   Note: The BEA Download Center (i.e. http://commerce.bea.com) will be decommissioned on February 2, 2009. After this time, customers will be able to download the BEA software from Oracle's E-delivery portal (http://edelivery.oracle.com) or Oracle Technology Network (http://otn.oracle.com).

2. In a browser, open *Products Installation Guide* and find the chapter called "Starting the Installation Program":

   http://e-docs.bea.com/common/docs90/install/start.html

   Scroll down to the heading called "Using Installers with Filenames Ending in .jar" and then, within that section, find "Starting Graphical-Mode Installation for .jar Installation Files.

3. Following the instructions, install WebLogic Server 9.0.

   If your configuration includes the 32-bit version of JRockit, your installation of WebLogic Server is now complete. If your configuration includes the 64-bit version, however, you must also complete steps 5 and 6.

4. Set the `BEA_HOME` variable to point to the directory in which WebLogic Server is installed and export `BEA_HOME`. For example:

   ```
   export BEA_HOME=<your_WebLogic_Server_installation_directory>
   ```

5. In a text editor, open the script that is used to set up your WebLogic Server environment: `$BEA_HOME/weblogic90/common/bin/commEnv.sh`.

   a. Search for the following `case` statement:

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

b. Remove or comment out the following lines of code:

```
if [ "${arch}" = "x86_64" ]; then
 arch=i686
fi
```

The `case` statement should now appear as follows:

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

For more information about installation, see *Products Installation Guide*.

WebLogic Server 9.2 on Red Hat Enterprise Linux 3.0

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

- Download and Install Instructions

Related Information

- For information about supported database configurations, Web servers, browsers, interoperability tools, and BEA product support, see:

  - *Supported Configurations for WebLogic Platform 9.2*

- For information about Red Hat Enterprise Linux, see the following Red Hat Web site:

  http://www.redhat.com

Configuration Requirements

Table 11-1 Requirements for Red Hat Enterprise Linux 3.0 on x86

Operating System Version and Patches	Red Hat Enterprise Linux 3.0 AS, ES, WS Kernel 2.4.21-32.EL with glibc 2.3.2-95.33, and later updates and later errata levels
	Note: Red Hat Enterprise Linux 3.0 WS is supported for the design, development, and verification of applications; it is not supported for production server deployment.
Chip Architecture and Minimum Processor Speed	x86 (400 MHz)
JDK	• 9.2: BEA JRockit 5.0 (R26.0.0-189_CR269406) JDK (32-bit) and all later 5.0 releases of JRockit
	• 9.2 MP1: BEA JRockit 5.0 (R26.4.0 + CR302700) JDK (32-bit) and all later 5.0 releases of JRockit
	• 9.2 MP2: BEA JRockit 5.0 (R27.2.0-131) JDK (32-bit) and all later 5.0 releases of JRockit
	• 9.2 MP3: BEA JRockit 5.0 (R27.4) JDK (32-bit) and all later 5.0 releases of JRockit
RAM	1 GB minimum, 2 GB recommended
Performance Pack	`server/native/linux/i686/libmuxer.so`
BEA Product Support	• WebLogic Server 9.2 and later MPs

Known Issues

Serial Version UID Mismatch

A Serial Version UID Mismatch Issue may be encountered if you deploy an application on a latest JVM, but compiled with an earlier JDK release.

Workaround: To be compatible with the serialization of previously compiled applications, modify the *<BEA_HOME>*`/Weblogic91/common/bin/commEnv.sh` file to include the following command:

```
JAVA_OPTIONS="$JAVA_OPTIONS -Dcom.sun.xml.namespace.QName.useCompatible
SerialVersionUID=1.0"
```

Note: If you intend to deploy new applications with previously compiled applications, they must be recompiled as necessary to have the same Serial Version UID.

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 BEA products supported on this configuration, including available workarounds, see the appropriate *Release Notes* document.

Issues related to...	Are described in...
WebLogic Server	*BEA WebLogic Server Known and Resolved Issues:* http://download.oracle.com/docs/cd/E13222_01/wls/docs92/issues/known_resolved.html
Installation and configuration	*BEA Products Installation and Configuration Release Notes*: http://download.oracle.com/docs/cd/E13179_01/common/docs92/index.html

Download and Install Instructions

There are no special installation instructions for Red Hat Enterprise Linux 3.0 on x86. For the standard method of installing BEA products, see *BEA Products Installation Guide*.

WebLogic Server 9.2 on Red Hat Enterprise Linux 3.0