

Oracle Products

**Supported
Configurations: HP-UX**

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WebLogic Platform 10.3 on HP-UX 11i v3

This section provides the following information:

- [Related Information](#)
- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Installation 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 information about HP-UX 11i v3, see the following HP Web site:
<http://www.hp.com>.

Configuration Requirements

- [Requirements for HP-UX 11i v3 on PA-RISC \(32-bit JVM\)](#)
- [Requirements for HP-UX 11i v3 on PA-RISC \(64-bit JVM\)](#)
- [Requirements for HP-UX 11i v3 on Itanium \(32-bit JVM\)](#)

- [Requirements for HP-UX 11i v3 on Itanium \(64-bit JVM\)](#)

Table 1-1 Requirements for HP-UX 11i v3 on PA-RISC (32-bit JVM)

Operating System Version and Patches	HP-UX 11i v3 (B.11.31) with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	PA-RISC (240 MHz)
JDK	HP-UX JDK for the Java 2 Standard Edition platform version 6.0.02 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 6.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/PA_RISC/libmuxer.sl</code>
Product Support	<ul style="list-style-type: none"> • WebLogic Server 10.3 • WebLogic Portal 10.3 • WebLogic Integration 10.3, WebLogic Integration 10.3.1 • Workshop for WebLogic 10.3 (Runtime)

Table 1-2 Requirements for HP-UX 11i v3 on PA-RISC (64-bit JVM)

Operating System Version and Patches	HP-UX 11i v3 (B.11.31) with HP-UX patches for Java™. See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	PA-RISC
JDK	HP-UX JDK for the Java 2 Standard Edition platform version 6.0.02 with Java HotSpot™ Server VM (64-bit) and all later JDK 6.0.* service packs for development and production deployment on HP-UX

Table 1-2 Requirements for HP-UX 11i v3 on PA-RISC (64-bit JVM)

RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/PA_RISC64/libmuser.sl</code>
Product Support	<ul style="list-style-type: none"> • WebLogic Server 10.3 • WebLogic Integration 10.3, WebLogic Integration 10.3.1 • Workshop for WebLogic 10.3 (Runtime)

Table 1-3 Requirements for HP-UX 11i v3 on Itanium (32-bit JVM)

Operating System Version and Patches	HP-UX 11i v3 (B.11.31) with HP-UX patches for Java™. See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	HP Itanium (1.5 GHz)
JDK	HP-UX JDK for the Java 2 Standard Edition platform version 6.0.01 with Java HotSpot™ Server VM (32-bit) and all later JDK 6.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/IPF32/libmuser.so</code>
Product Support	<ul style="list-style-type: none"> • WebLogic Server 10.3 • WebLogic Portal 10.3 • WebLogic Integration 10.3, WebLogic Integration 10.3.1 • Workshop for WebLogic 10.3 (Runtime)

Table 1-4 Requirements for HP-UX 11i v3 on Itanium (64-bit JVM)

Operating System Version and Patches	HP-UX 11i v3 (B.11.31) with HP-UX patches for Java™. See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	HP Itanium (1.5 GHz)
JDK	HP-UX JDK for the Java 2 Standard Edition platform version 6.0.01 with Java HotSpot™ Server VM (64-bit) and all later JDK 6.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/IPF64/libmuxer.so</code>
Product Support	<ul style="list-style-type: none"> • WebLogic Server 10.3 • WebLogic Portal 10.3 • WebLogic Integration 10.3, WebLogic Integration 10.3.1 • Workshop for WebLogic 10.3 (Runtime)

Known Issues

- [Doing a Complete Install With a Generic Installer](#)
- [Serial Version UID Mismatch](#)
- [Increase MaxPermSize](#)
- [Working with Large Objects via RMI over IIOP](#)
- [Unable to Start WebLogic Server While Logged in as root](#)
- [Issues Related to WebLogic Integration 10.3 With 64-bit JDK](#)
- [Known Issues for 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.

Increase MaxPermSize

You may need to increase the `MaxPermSize` parameter based on application requirements. For example: For the WebLogic Portal Dynamic Visitor Tools sample, you may need to increase the `MaxPermSize` from 128MB to 256MB.

Working with Large Objects via RMI over IIOP

If your application involves working with very large objects via RMI over IIOP, you might encounter the following exception:

```
java.rmi.MarshalException: ; nested exception is: org.omg.CORBA.MARSHAL:
vmcid: 0x0 minor code: 0 completed:
```

Workaround: Increase the size of the JVM thread stack using the `-Xss` option on the command line. By default, the stack is set to 512 KB; modify it depending on the size of the object in question.

Unable to Start WebLogic Server While Logged in as root

If you start or install WebLogic Server while logged in as root, while using the JDK, the server may fail to start and throw a `java.security.ProviderException`. If this happens, complete the following procedure:

- a. In a text editor, open the `java.security` file in the directory `JAVA_HOME/jre/lib/security`, where `JAVA_HOME` represents your JDK installation directory.
- b. Find the `securerandom.source=file:/dev/urandom` entry. Change it to:
`securerandom.source=file:/dev/random`
- c. Save the `java.security` file with your changes and close it.
- d. While still logged in as root, restart WebLogic Server.

Issues Related to WebLogic Integration 10.3 With 64-bit JDK

1. With sample domains, the sample domains get started but the native I/O is disabled. The following message is displayed in the console log while WebLogic Server is starting:

“Unable to load performance pack. Using Java I/O instead.”

This issue occurred because WebLogic Server was getting started with the 32-bit JVM (HP JDK).

Workaround:

Update WebLogic Server start script with the following:

```
export USER_MEM_ARGS with "-d64"
```

2. After applying the workaround to Issue 1, the native performance pack gets loaded but a PermGen space error is thrown and the server does not start. The following error is displayed:

“Exception in thread “main” java.lang.OutOfMemoryError: PermGen space.”

Workaround:

You need to pass “-d64” and other memory arguments to the “USER_MEM_ARGS” environment variable before running `startWeblogic.sh`.

```
export USER_MEM_ARGS=" -d64 -Xms256m -Xmx512m -XX:PermSize=128m
-XX:MaxPermSize=256m "
```

- When `./stopWeblogic.sh` is run to stop the server that is running in production mode, it asks to provide the username and password. The issue here is that the password is not hidden. The password is printed in clear text.

Workaround:

The password will not be echoed when you do the following:

```
export JAVA_OPTIONS="-d64 ${JAVA_OPTIONS}"
```

Known Issues for 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	<i>WebLogic Server Known and Resolved Issues:</i> http://download.oracle.com/docs/cd/E12840_01/wls/docs103/issues/index.html
WebLogic Portal	<i>WebLogic Portal Release Notes:</i> http://download.oracle.com/docs/cd/E13155_01/wlp/docs103/relnotes/index.html
WebLogic Integration	<i>WebLogic Integration Release Notes:</i> http://download.oracle.com/docs/cd/E13160_01/wli/docs10gr3/relnotes/index.html
Workshop for WebLogic	<i>Workshop for WebLogic Release Notes:</i> http://e-docs.bea.com/wlw/docs103/relnotes/index.html

Download and Installation Instructions

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

This section includes the following procedures:

- [Download and Install HP-UX JDK 6.0.02 for HP-UX 11i v3 on PA-RISC](#)
- [Download the HP-UX Libraries Required for HP-UX 11i v3 on PA-RISC \(required for WebLogic Portal\)](#)
- [Download and Install WebLogic 10.3 on HP-UX 11i v3 on PA-RISC](#)
- [Download and Install HP-UX JDK 6.0.01 for HP-UX 11i v3 on Itanium](#)
- [Download the HP-UX Libraries Required for HP-UX 11i v3 on Itanium \(required for WebLogic Portal\)](#)
- [Download and Install WebLogic 10.3 on HP-UX 11i v3 on Itanium](#)

Download and Install HP-UX JDK 6.0.02 for HP-UX 11i v3 on PA-RISC

Complete the following procedure to download and install the HP JDK 6.0

1. Go to the following HP JDK download site:

```
http://h20392.www2.hp.com/portal/swdepot/try.do?productNumber=JDKJRE6002
```

2. In the Software Specification combo box, select `PA-Risc JDK 6.0.02 - Oct 08`
3. Provide the required information.
4. Click **Next** and download JDK using the download key.
5. Install the JDK.
6. Set the `JAVA_HOME` environment variable to the directory in which HP JDK 6.0.02 is installed, and `export JAVA_HOME`. For example:

```
export JAVA_HOME=/opt/java1.6.0.02
```

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

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

If you are installing the HP-UX 32-bit JDK, your installation is complete. If you are installing the 64-bit JDK, complete the next step.

8. Use the `-d64` option to invoke the 64 bit Hotspot server. For example

```
$java -d64 -version
```

Download the HP-UX Libraries Required for HP-UX 11i v3 on PA-RISC (required for WebLogic Portal)

Complete the following procedure:

1. Go to the Web site

<http://hpux.connect.org.uk/>

2. Use the search button to find the following libraries:

libiconv-1.12-hppa-11.31.depot (Hint: Search with token: libiconv-1.12)

libxml2-2.6.32-hppa-11.31.depot (Hint: Search with token: libxml2-2.6.32)

libxslt-1.1.24-hppa-11.31.depot (Hint: Search with token: libxslt-1.1.24)

zlib-1.2.3-hppa-11.31.depot (Hint: Search with token: zlib-1.2.3)

3. Download and install the libraries. Note, the libraries must be installed before installing WebLogic Portal 10.3.

Download and Install WebLogic 10.3 on HPUX 11i v3 on PA-RISC

1. Make sure that your PATH variable includes \$JAVA_HOME/bin. For example:

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

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	HP-UX PA-RISC (64-bit)
Media Pack	B36338 (Oracle Application Server 10g Release 3 (10.1.3) Media Pack for HP-UX PA-RISC (64-bit))

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

Product	Platform	Platform JVM	Part Number (Description)
WebLogic Server	HP PA-RISC	HP-UX JDK (32-bit) HP-UX JDK (64-bit)	V13672 (Oracle WebLogic Server 10gR3 (10.3) “generic”)
WebLogic Portal	HP PA-RISC	HP-UX JDK (32-bit)	V14087 (Oracle WebLogic Portal 10gR3 (10.3) “generic”)
WebLogic Integration	HP PA-RISC	HP-UX JDK (32-bit) HP-UX 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 the WebLogic Products using the directions provided in the *“Using Installers with Filenames Ending in .jar”* section of the *Products Installation Guide*.

4. For WebLogic Portal, make sure
 - 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
```
 - HP-UX libraries are installed before you install WebLogic Portal.

Download and Install HP-UX JDK 6.0.01 for HP-UX 11i v3 on Itanium

Complete the following procedure to download and install the HP JDK 6.0

1. Go to the following HP JDK download site:

```
http://h20392.www2.hp.com/portal/swdepot/try.do?productNumber=JDKJRE6001
```

2. In the Software Specification combo box, select Itanium(R) JDK 6.0.01 - Jun 08
3. Provide the required information.
4. Click **Next** and download JDK using the download key.
5. Install the JDK.

6. Set the JAVA_HOME environment variable to the directory in which HP JDK 6.0.01 is installed, and export JAVA_HOME. For example:

```
export JAVA_HOME=/opt/java1.6.0.01
```

7. Make sure that your PATH variable includes \$JAVA_HOME/bin. For example:

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

If you are installing the HPUX 32-bit JDK, your installation is complete. If you are installing the 64-bit JDK, complete the next step.

8. Use the -d64 option to invoke the 64 bit Hotspot server. For example

```
$java -d64 -version
```

Download the HP-UX Libraries Required for HP-UX 11i v3 on Itanium (required for WebLogic Portal)

Complete the following procedure:

1. Go to the Web site

<http://hpux.connect.org.uk/>

2. Use the search button to find the following libraries:

libiconv-1.12-ia64-11.31.depot (Hint: Search with token: libiconv-1.12)

libxml2-2.6.32-ia64-11.31.depot (Hint: Search with token: libxml2-2.6.32)

libxslt-1.1.24-ia64-11.31.depot (Hint: Search with token: libxslt-1.1.24)

zlib-1.2.3-ia64-11.31.depot (Hint: Search with token: zlib-1.2.3)

3. Download and install the libraries before proceeding to install WebLogic Portal 10.3.

Download and Install WebLogic 10.3 on HPUX 11i v3 on Itanium

1. Make sure that your PATH variable includes \$JAVA_HOME/bin. For example:

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

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	HP-UX Itanium
Media Pack	B36339 (Oracle Application Server 10g Release 3 (10.1.3) Media Pack for hp HP-UX Itanium(64-bit))

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

Product	Platform	Platform JVM	Part Number (Description)
WebLogic Server	HP Itanium	HP-UX JDK (32-bit) HP-UX JDK (64-bit)	V13619 (Oracle WebLogic Server 10gR3 (10.3) HP-UX Itanium)
WebLogic Portal	HP Itanium	HP-UX JDK (32-bit) HP-UX JDK (64-bit)	V13809 (Oracle WebLogic Portal 10gR3 (10.3) HP-UX Itanium)
WebLogic Integration	HP Itanium	HP-UX JDK (32-bit) HP-UX 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))

- Unzip the file.
3. Install the WebLogic Products using the directions provided in the *“Using Installers with Filenames Ending in .jar”* section of the *Products Installation Guide*.
 4. For WebLogic Portal, make sure
 - 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
```
 - HP-UX libraries are installed before you install WebLogic Portal.

WebLogic Platform 10.3 on HP-UX 11i v3

WebLogic Platform 10.3 on HP-UX 11i v2

This section provides the following information:

- [Related Information](#)
- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Installation 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 information about HP-UX 11i v2, see the following HP Web site:
<http://www.hp.com>.

Configuration Requirements

- [Requirements for HP-UX 11i v2 on PA-RISC \(32-bit JVM\)](#)
- [Requirements for HP-UX 11i v2 on PA-RISC \(64-bit JVM\)](#)
- [Requirements for HP-UX 11i v2 on Itanium \(32-bit JVM\)](#)

- [Requirements for HP-UX 11i v2 on Itanium \(64-bit JVM\)](#)

Table 2-1 Requirements for HP-UX 11i v2 on PA-RISC (32-bit JVM)

Operating System Version and Patches	HP-UX 11i v2 (B.11.23) with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	PA-RISC (240 MHz)
JDK	HP-UX JDK for the Java 2 Standard Edition platform version 6.0.02 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 6.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/PA_RISC/libmuxer.sl</code>
Product Support	<ul style="list-style-type: none"> • WebLogic Server 10.3 • WebLogic Portal 10.3 • WebLogic Integration 10.3, WebLogic Integration 10.3.1 • Workshop for WebLogic 10.3 (Runtime)

Table 2-2 Requirements for HP-UX 11i v2 on PA-RISC (64-bit JVM)

Operating System Version and Patches	HP-UX 11i v2 (B.11.23) with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	PA-RISC
JDK	HP-UX JDK for the Java 2 Standard Edition platform version 6.0.02 with Java HotSpot™ Server VM (64-bit) and all later JDK 6.0.* service packs for development and production deployment on HP-UX

Table 2-2 Requirements for HP-UX 11i v2 on PA-RISC (64-bit JVM) (Continued)

RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/PA_RISC64/libmuxer.sl</code>
Product Support	<ul style="list-style-type: none"> • WebLogic Server 10.3 • WebLogic Integration 10.3, WebLogic Integration 10.3.1 • Workshop for WebLogic 10.3 (Runtime)

Table 2-3 Requirements for HP-UX 11i v2 on Itanium (32-bit JVM)

Operating System Version and Patches	HP-UX 11i v2 (B.11.23) with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	HP Itanium (1.5 GHz)
JDK	HP-UX JDK for the Java 2 Standard Edition platform version 6.0.01 with Java HotSpot™ Server VM (32-bit) and all later JDK 6.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/IPF32/libmuxer.so</code>
Product Support	<ul style="list-style-type: none"> • WebLogic Server 10.3 • WebLogic Portal 10.3 • WebLogic Integration 10.3, WebLogic Integration 10.3.1 • Workshop for WebLogic 10.3 (Runtime)

Table 2-4 Requirements for HP-UX 11i v2 on Itanium (64-bit JVM)

Operating System Version and Patches	HP-UX 11i v2 (B.11.23) with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html
Chip Architecture and Minimum Processor Speed	HP Itanium (1.5 GHz)
JDK	HP-UX JDK for the Java 2 Standard Edition platform version 6.0.01 with Java HotSpot™ Server VM (64-bit) and all later JDK 6.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/IPF64/libmuxer.so</code>
Product Support	<ul style="list-style-type: none">• WebLogic Server 10.3• WebLogic Portal 10.3• WebLogic Integration 10.3, WebLogic Integration 10.3.1• Workshop for WebLogic 10.3 (Runtime)

Known Issues

- [Doing a Complete Install With a Generic Installer](#)
- [Serial Version UID Mismatch](#)
- [Increase MaxPermSize](#)
- [Working with Large Objects via RMI over IIOP](#)
- [Unable to Start WebLogic Server While Logged in as root](#)
- [Issues Related to WebLogic Integration 10.3 With 64-bit JDK](#)
- [Known Issues for 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.

Increase MaxPermSize

You may need to increase the `MaxPermSize` parameter based on application requirements. For example: For the WebLogic Portal Dynamic Visitor Tools sample, you may need to increase the `MaxPermSize` from 128MB to 256MB.

Working with Large Objects via RMI over IIOP

If your application involves working with very large objects via RMI over IIOP, you might encounter the following exception:

```
java.rmi.MarshalException: ; nested exception is: org.omg.CORBA.MARSHAL:
vmcid: 0x0 minor code: 0 completed:
```

Workaround: Increase the size of the JVM thread stack using the `-xss` option on the command line. By default, the stack is set to 512 KB; modify it depending on the size of the object in question.

Unable to Start WebLogic Server While Logged in as root

If you start or install WebLogic Server while logged in as root, while using the JDK, the server may fail to start and throw a `java.security.ProviderException`. If this happens, complete the following procedure:

- a. In a text editor, open the `java.security` file in the directory `JAVA_HOME/jre/lib/security`, where `JAVA_HOME` represents your JDK installation directory.
- b. Find the `securerandom.source=file:/dev/urandom` entry. Change it to:
`securerandom.source=file:/dev/random`
- c. Save the `java.security` file with your changes and close it.
- d. While still logged in as root, restart WebLogic Server.

Issues Related to WebLogic Integration 10.3 With 64-bit JDK

1. With sample domains, the sample domains get started but the native I/O is disabled. The following message is displayed in the console log while WebLogic Server is starting:

“Unable to load performance pack. Using Java I/O instead.”

This issue occurred because WebLogic Server was getting started with the 32-bit JVM (HP JDK).

Workaround:

Update WebLogic Server start script with the following:

```
export USER_MEM_ARGS with "-d64"
```

2. After applying the workaround to Issue 1, the native performance pack gets loaded but a PermGen space error is thrown and the server does not start. The following error is displayed:

“Exception in thread “main” java.lang.OutOfMemoryError: PermGen space.”

Workaround:

You need to pass “-d64” and other memory arguments to the “USER_MEM_ARGS” environment variable before running startWeblogic.sh.

```
export USER_MEM_ARGS=" -d64 -Xms256m -Xmx512m -XX:PermSize=128m
-XX:MaxPermSize=256m "
```

3. When `./stopWeblogic.sh` is run to stop the server that is running in production mode, it asks to provide the username and password. The issue here is that the password is not hidden. The password is printed in clear text.

Workaround:

The password will not be echoed when you do the following:

```
export JAVA_OPTIONS="-d64 ${JAVA_OPTIONS}"
```

Known Issues for 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	<i>WebLogic Server Known and Resolved Issues:</i> http://download.oracle.com/docs/cd/E12840_01/wls/docs103/issues/index.html
WebLogic Portal	<i>WebLogic Portal Release Notes:</i> http://download.oracle.com/docs/cd/E13155_01/wlp/docs103/relnotes/index.html
WebLogic Integration	<i>WebLogic Integration Release Notes:</i> http://download.oracle.com/docs/cd/E13160_01/wli/docs10gr3/relnotes/index.html
Workshop for WebLogic	<i>Workshop for WebLogic Release Notes:</i> http://e-docs.bea.com/wlw/docs103/relnotes/index.html

Download and Installation Instructions

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

This section includes the following procedures:

- [Download and Install HP-UX JDK 6.0.02 for HP-UX 11i v2 on PA-RISC](#)
- [Download the HP-UX Libraries Required for HP-UX 11i v2 on PA-RISC \(required for WebLogic Portal\)](#)
- [Download and Install WebLogic 10.3 on HP-UX 11i v2 on PA-RISC](#)
- [Download and Install HP-UX JDK 6.0.01 for HP-UX 11i v2 on Itanium](#)
- [Download the HP-UX Libraries Required for HP-UX 11i v2 on Itanium \(required for WebLogic Portal\)](#)
- [Download and Install WebLogic 10.3 on HP-UX 11i v2 on Itanium](#)

Download and Install HP-UX JDK 6.0.02 for HP-UX 11i v2 on PA-RISC

Complete the following procedure to download and install the HP JDK 6.0

1. Go to the following HP JDK download site:

<http://h20392.www2.hp.com/portal/swdepot/try.do?productNumber=JDKJRE6002>

2. In the Software Specification combo box, select PA-Risc JDK 6.0.02 - Oct 08
3. Provide the required information.
4. Click **Next** and download JDK using the download key.
5. Install the JDK.
6. Set the `JAVA_HOME` environment variable to the directory in which HP JDK 6.0.02 is installed, and `export JAVA_HOME`. For example:

```
export JAVA_HOME=/opt/java1.6.0.02
```

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

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

If you are installing the HP-UX 32-bit JDK, your installation is complete. If you are installing the 64-bit JDK, complete the next step.

8. Use the `-d64` option to invoke the 64 bit Hotspot server. For example

```
$java -d64 -version
```

Download the HP-UX Libraries Required for HP-UX 11i v2 on PA-RISC (required for WebLogic Portal)

Complete the following procedure:

1. Go to the Web site

<http://hpux.connect.org.uk/>

2. Use the search button to find the following libraries:

```
libiconv-1.12-hppa-11.31.depot (Hint: Search with token: libiconv-1.12)
```

```
libxml2-2.6.32-hppa-11.31.depot (Hint: Search with  
token: libxml2-2.6.32)
```

```
libxslt-1.1.24-hppa-11.31.depot (Hint: Search with token:  
libxslt-1.1.24)
```

```
zlib-1.2.3-hppa-11.31.depot (Hint: Search with token: zlib-1.2.3)
```

3. Download and install the libraries. Note, the libraries must be installed before installing WebLogic Portal 10.3.

Download and Install WebLogic 10.3 on HPUX 11i v2 on PA-RISC

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

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

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	HP-UX PA-RISC (64-bit)
Media Pack	B36338 (Oracle Application Server 10g Release 3 (10.1.3) Media Pack for HP-UX PA-RISC (64-bit))

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

Product	Platform	Platform JVM	Part Number (Description)
WebLogic Server	HP PA-RISC	HP-UX JDK (32-bit) HP-UX JDK (64-bit)	V13672 (Oracle WebLogic Server 10gR3 (10.3) “generic”)
WebLogic Portal	HP PA-RISC	HP-UX JDK (32-bit)	V14087 (Oracle WebLogic Portal 10gR3 (10.3) “generic”)
WebLogic Integration	HP PA-RISC	HP-UX JDK (32-bit) HP-UX 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 the WebLogic Products using the directions provided in the *“Using Installers with Filenames Ending in .jar”* section of the *Products Installation Guide*.

4. For WebLogic Portal, make sure
 - 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
```
 - HP-UX libraries are installed before you install WebLogic Portal.

Download and Install HP-UX JDK 6.0.01 for HP-UX 11i v2 on Itanium

Complete the following procedure to download and install the HP JDK 6.0

1. Go to the following HP JDK download site:


```
http://h20392.www2.hp.com/portal/swdepot/try.do?productNumber=JDKJRE6001
```
2. In the Software Specification combo box, select Itanium(R) JDK 6.0.01 - Jun 08
3. Provide the required information.
4. Click **Next** and download JDK using the download key.
5. Install the JDK.
6. Set the JAVA_HOME environment variable to the directory in which HP JDK 6.0.01 is installed, and export JAVA_HOME. For example:


```
export JAVA_HOME=/opt/java1.6.0.01
```
7. Make sure that your PATH variable includes \$JAVA_HOME/bin. For example:


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

If you are installing the HPUX 32-bit JDK, your installation is complete. If you are installing the 64-bit JDK, complete the next step.
8. Use the -d64 option to invoke the 64 bit Hotspot server. For example


```
$java -d64 -version
```

Download the HP-UX Libraries Required for HP-UX 11i v2 on Itanium (required for WebLogic Portal)

Complete the following procedure:

1. Go to the Web site

<http://hpux.connect.org.uk/>

2. Use the search button to find the following libraries:

libiconv-1.12-ia64-11.31.depot (Hint: Search with token: libiconv-1.12)

libxml2-2.6.32-ia64-11.31.depot (Hint: Search with token: libxml2-2.6.32)

libxslt-1.1.24-ia64-11.31.depot (Hint: Search with token: libxslt-1.1.24)

zlib-1.2.3-ia64-11.31.depot (Hint: Search with token: zlib-1.2.3)

3. Download and install the libraries. Note, the libraries must be installed before installing WebLogic Portal 10.3.

Download and Install WebLogic 10.3 on HPUX 11i v2 on Itanium

1. Make sure that your PATH variable includes \$JAVA_HOME/bin. For example:

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

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	HP-UX Itanium
Media Pack	B36339 (Oracle Application Server 10g Release 3 (10.1.3) Media Pack for HP-UX Itanium(64-bit))

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

Product	Platform	Platform JVM	Part Number (Description)
WebLogic Server	HP Itanium	HP-UX JDK (32-bit) HP-UX JDK (64-bit)	V13619 (Oracle WebLogic Server 10gR3 (10.3) HP-UX Itanium)
WebLogic Portal	HP Itanium	HP-UX JDK (32-bit) HP-UX JDK (64-bit)	V13809 (Oracle WebLogic Portal 10gR3 (10.3) HP-UX Itanium)
WebLogic Integration	HP Itanium	HP-UX JDK (32-bit) HP-UX 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))

- Unzip the file.
3. Install the WebLogic Products using the directions provided in the *“Using Installers with Filenames Ending in .jar”* section of the *Products Installation Guide*.
 4. For WebLogic Portal, make sure
 - 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
```
 - HP-UX libraries are installed before you install WebLogic Portal.

WebLogic Platform 10.3 on HP-UX 11i v2

WebLogic Platform 10.3 on HP-UX 11i v1

This section provides the following information:

- [Related Information](#)
- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Installation 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 information about HP-UX 11i, see the following HP Web site: <http://www.hp.com>.

Configuration Requirements

- [Requirements for HP-UX 11i v1 on PA-RISC \(32-bit JVM\)](#)

Table 3-1 Requirements for HP-UX 11i v1 on PA-RISC (32-bit JVM)

Operating System Version and Patches	HP-UX 11i v1 (B.11.11) with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	PA-RISC (240 MHz)
JDK	HP-UX JDK for the Java 2 Standard Edition platform version 6.0.02 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 6.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/PA_RISC/libmuxer.sl</code>
Product Support	<ul style="list-style-type: none">• WebLogic Server 10.3• WebLogic Portal 10.3• Workshop for WebLogic 10.3 (Runtime)

Known Issues

- [Doing a Complete Install With a Generic Installer](#)
- [Serial Version UID Mismatch](#)
- [Increase MaxPermSize](#)
- [Working with Large Objects via RMI over IIOP](#)
- [Unable to Start WebLogic Server While Logged in as root](#)
- [Known Issues for 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) 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.

Increase MaxPermSize

You may need to increase the `MaxPermSize` parameter based on application requirements. For example: For the WebLogic Portal Dynamic Visitor Tools sample, you may need to increase the `MaxPermSize` from 128MB to 256MB.

Working with Large Objects via RMI over IIOP

If your application involves working with very large objects via RMI over IIOP, you might encounter the following exception:

```
java.rmi.MarshalException: ; nested exception is: org.omg.CORBA.MARSHAL:
vmcid: 0x0 minor code: 0 completed:
```

Workaround: Increase the size of the JVM thread stack using the `-Xss` option on the command line. By default, the stack is set to 512 KB; modify it depending on the size of the object in question.

Unable to Start WebLogic Server While Logged in as root

If you start or install WebLogic Server while logged in as root, while using the JDK, the server may fail to start and throw a `java.security.ProviderException`. If this happens, complete the following procedure:

- a. In a text editor, open the `java.security` file in the directory `JAVA_HOME/jre/lib/security`, where `JAVA_HOME` represents your JDK installation directory.
- b. Find the `securerandom.source=file:/dev/urandom` entry. Change it to:
`securerandom.source=file:/dev/random`
- c. Save the `java.security` file with your changes and close it.
- d. While still logged in as root, restart WebLogic Server.

Known Issues for 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	<i>WebLogic Server Known and Resolved Issues:</i> http://download.oracle.com/docs/cd/E12840_01/wls/docs103/issues/index.html
WebLogic Portal	<i>WebLogic Portal Release Notes:</i> http://download.oracle.com/docs/cd/E13155_01/wlp/docs103/relnotes/index.html
Workshop for WebLogic	<i>Workshop for WebLogic Release Notes:</i> http://e-docs.bea.com/wlw/docs103/relnotes/index.html

Download and Installation Instructions

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

This section includes the following procedures:

- [Download and Install HP-UX JDK 6.0.02 for HP-UX 11i v1 on PA-RISC](#)
- [Download the HP-UX Libraries Required for HP-UX 11i v1 on PA-RISC \(required for WebLogic Portal\)](#)
- [Download and Install WebLogic 10.3 on HPUX 11i v1 on PA-RISC](#)

Download and Install HP-UX JDK 6.0.02 for HP-UX 11i v1 on PA-RISC

Complete the following procedure to download and install the HP JDK 6.0

1. Go to the following HP JDK download site:

<http://h20392.www2.hp.com/portal/swdepot/try.do?productNumber=JDKJRE6002>

2. In the Software Specification combo box, select PA-Risc JDK 6.0.02 - Oct 08
3. Provide the required information.
4. Click **Next** and download JDK using the download key.
5. Install the JDK.

6. Set the `JAVA_HOME` environment variable to the directory in which HP JDK 6.0.02 is installed, and `export JAVA_HOME`. For example:

```
export JAVA_HOME=/opt/java1.6.0.02
```

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

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

If you are installing the HPUX 32-bit JDK, your installation is complete. If you are installing the 64-bit JDK, complete the next step.

8. Use the `-d64` option to invoke the 64 bit Hotspot server. For example

```
$java -d64 -version
```

Download the HP-UX Libraries Required for HP-UX 11i v1 on PA-RISC (required for WebLogic Portal)

Complete the following procedure:

1. Go to the Web site

<http://hpux.connect.org.uk/>

2. Use the search button to find the following libraries:

libiconv-1.12-hppa-11.31.depot (Hint: Search with token: libiconv-1.12)

libxml2-2.6.32-hppa-11.31.depot (Hint: Search with token: libxml2-2.6.32)

libxslt-1.1.24-hppa-11.31.depot (Hint: Search with token: libxslt-1.1.24)

zlib-1.2.3-hppa-11.31.depot (Hint: Search with token: zlib-1.2.3)

3. Download and install the libraries. Note, the libraries must be installed before installing WebLogic Portal 10.3.

Download and Install WebLogic 10.3 on HPUX 11i v1 on PA-RISC

1. Make sure that your PATH variable includes \$JAVA_HOME/bin. For example:

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

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	HP-UX PA-RISC (64-bit)
Media Pack	B36338 (Oracle Application Server 10g Release 3 (10.1.3) Media Pack for HP-UX PA-RISC (64-bit))

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

Product	Platform	Platform JVM	Part Number (Description)
WebLogic Server	HP PA-RISC	HP-UX JDK (32-bit)	V13672 (Oracle WebLogic Server 10gR3 (10.3) “generic”)
WebLogic Portal	HP PA-RISC	HP-UX JDK (32-bit)	V14087 (Oracle WebLogic Portal 10gR3 (10.3) “generic”)

- Unzip the file.
3. Install the WebLogic Products using the directions provided in the *“Using Installers with Filenames Ending in .jar”* section of the *Products Installation Guide*.
 4. For WebLogic Portal, make sure
 - 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
```
 - HP-UX libraries are installed before you install WebLogic Portal.

WebLogic Platform 10.3 on HP-UX 11i v1

WebLogic Platform 10.2 on HP-UX 11i v3

This section provides the following information:

- [Related Information](#)
- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Installation Instructions for HP-UX JDK and HP-UX Libraries](#)
- [Download and Install WebLogic Platform 10.2 MP1](#)
- [Download and Install WebLogic Platform 10.2](#)
- [Recommended Kernel Parameter Settings](#)

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 HP-UX 11i v3, see the following HP Web site:
<http://www.hp.com>.

Configuration Requirements

- [Requirements for HP-UX 11i v3 on PA-RISC](#)
- [Requirements for HP-UX 11i v3 on Itanium \(32-bit JVM\)](#)
- [Requirements for HP-UX 11i v3 on Itanium \(64-bit JVM\)](#)

Table 1-1 Requirements for HP-UX 11i v3 on PA-RISC

Operating System Version and Patches	HP-UX 11i v3 (HP-UX 11.31) with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	PA-RISC (240 MHz)
JDK	HP-UX JDK for the Java 2 Standard Edition platform version 5.0.08 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/PA_RISC/libmuxer.sl</code>
Product Support	<ul style="list-style-type: none"> • WebLogic Platform 10.2, 10.2 MP1 • 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 (Runtime)

Table 1-2 Requirements for HP-UX 11i v3 on Itanium (32-bit JVM)

Operating System Version and Patches	HP-UX 11i v3 (HP-UX 11.31) with HP-UX patches for Java™. See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	HP Itanium (1.5 GHz)

Table 1-2 Requirements for HP-UX 11i v3 on Itanium (32-bit JVM)

JDK	HP-UX JDK for the Java 2 Standard Edition platform version 5.0.08 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Product Support	<ul style="list-style-type: none"> • WebLogic Platform 10.2, 10.2 MP1 • 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)

Table 1-3 Requirements for HP-UX 11i v3 on Itanium (64-bit JVM)

Operating System Version and Patches	HP-UX 11i v3 (HP-UX 11.31) with HP-UX patches for Java™. See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	HP Itanium (1.5 GHz)
JDK	HP-UX JDK for the Java 2 Standard Edition platform version 5.0.08 with Java HotSpot™ Server VM (64-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Product Support	<ul style="list-style-type: none"> • WebLogic Platform 10.2, 10.2 MP1 • 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)

Known Issues

- [Increase MaxPermSize](#)
- [Serial Version UID Mismatch](#)

- [Working with Large Objects via RMI over IIOP](#)
- [Configure JDBC Data Sources Window Not Displayed Properly](#)
- [Unable to Start WebLogic Server While Logged in as root](#)
- [Known Issues for Other Products](#)

Increase MaxPermSize

You may need to increase the `MaxPermSize` parameter based on application requirements. For example: For the WebLogic Portal Groupspace sample, you may need to increase the `MaxPermSize` from 128MB to 256MB.

Serial Version UID Mismatch

A Serial Version UID Mismatch Issue is encountered if you deploy an application on a latest JVM, but built with an earlier service pack of Sun JDK 1.5.0.

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"
```

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.

Working with Large Objects via RMI over IIOP

If your application involves working with very large objects via RMI over IIOP, you might encounter the following exception:

```
java.rmi.MarshalException: ; nested exception is: org.omg.CORBA.MARSHAL:  
vmcid: 0x0 minor code: 0 completed:
```

Workaround: Increase the size of the JVM thread stack using the `-xss` option on the command line. By default, the stack is set to 512 KB; modify it depending on the size of the object in question.

Configure JDBC Data Sources Window Not Displayed Properly

When creating or upgrading WebLogic Server domains in the console mode, the Configure JDBC Data Sources window does not display correctly.

Workaround: Use the GUI mode or silent mode to create or upgrade a WebLogic Server domain on this configuration.

Unable to Start WebLogic Server While Logged in as root

If you start or install WebLogic Server while logged in as root, while using the JDK, the server may fail to start and throw a `java.security.ProviderException`. If this happens, complete the following procedure:

- a. In a text editor, open the `java.security` file in the directory `JAVA_HOME/jre/lib/security`, where `JAVA_HOME` represents your JDK installation directory.
- b. Find the `securerandom.source=file:/dev/urandom` entry. Change it to:
`securerandom.source=file:/dev/random`
- c. Save the `java.security` file with your changes and close it.
- d. While still logged in as root, restart WebLogic Server.

Known Issues for 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	<i>WebLogic Server Known and Resolved Issues:</i> http://e-docs.bea.com/wls/docs100/issues/known_resolved.html
WebLogic Portal	<i>WebLogic Portal Release Notes:</i> http://e-docs.bea.com/wlp/docs102/relnotes/index.html

Issues related to...	Are described in...
WebLogic Integration	<i>WebLogic Integration Release Notes:</i> http://e-docs.bea.com/wli/docs102/relnotes/index.html
Workshop for WebLogic	<i>Workshop for WebLogic Release Notes:</i> http://e-docs.bea.com/wlw/docs102/relnotes/index.html

Download and Installation Instructions for HP-UX JDK and HPUX Libraries

This section includes the following procedures:

- [Download and Install HP-UX JDK 5.0 for HP-UX 11i v3 on Itanium \(32 bit\)](#)
- [Download and Install HP-UX JDK 5.0 for HP-UX 11i v3 on Itanium \(64 bit\)](#)
- [Download the HP-UX Libraries Required for HP-UX 11i v3 on Itanium](#)

Download and Install HP-UX JDK 5.0 for HP-UX 11i v3 on Itanium (32 bit)

Complete the following procedure:

1. Go to the HP download site:
 - http://www.hp.com/products1/unix/java/java2/jdkjre5_0/
2. Download and install HP-UX JDK 5.0 for your configuration.
3. Set the `JAVA_HOME` environment variable to the directory in which HP JDK is installed, and export `JAVA_HOME`. For example:

```
export JAVA_HOME=/opt/java1.5
```
4. Make sure that your `PATH` variable includes `$JAVA_HOME/bin`. For example:

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


Download and Install HP-UX JDK 5.0 for HP-UX 11i v3 on Itanium (64 bit)

Complete the following procedure:

1. Download and install HP-UX JDK 5.0 using the following instructions: [Download and Install HP-UX JDK 5.0 for HP-UX 11i v3 on Itanium \(32 bit\)](#).
2. Use the `-d64` option to invoke 64 bit Hotspot server. For example:

```
$java -d64 version
```

should show, depending on your JDK, a string similar to:

```
java version "1.5.0.08" Java(TM) 2 Runtime Environment, Standard Edition  
(build 1.5.0.08-_04_may_2007_06_31) Java HotSpot(TM) 64-Bit Server VM  
(build 1.5.0.08 jinteg:05.04.07-13:52 IA64W, mixed mode)
```

Download the HP-UX Libraries Required for HP-UX 11i v3 on Itanium

Complete the following procedure:

1. Go to the Web site

<http://hpux.connect.org.uk/>

2. Use the search button to find the following libraries:

```
libiconv-1.12-ia64-11.31.depot (Hint: Search with token: libiconv-1.12)
```

```
libxml2-2.6.30-ia64-11.31.depot (Hint: Search with  
token: libxml2-2.6.30)
```

```
libxslt-1.1.22-ia64-11.31.depot (Hint: Search with token:  
libxslt-1.1.22)
```

```
zlib-1.2.3-ia64-11.31.depot (Hint: Search with token: zlib-1.2.3)
```

3. Download and install the libraries before proceeding to install WebLogic Portal 10.2.

Download and Install WebLogic Platform 10.2 MP1

- [Download and Install WebLogic Media Pack for HP-UX PA-RISC \(32-bit\)](#)
- [Download and Install WebLogic Media Pack for HP-UX Itanium](#)

Download and Install WebLogic Media Pack for HP-UX PA-RISC (32-bit)

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

```
export PATH=$JAVA_HOME/bin:$PATH
```
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	BEA WebLogic Media Pack v2
Platform	HP-UX PA-RISC (32-bit)
Media Pack	BEA WebLogic Media Pack v2 for HP-UX PA-RISC (32-bit)

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

Product	Part Number (Description)
WebLogic Server	V16490-01 (WebLogic Server 10.0 Maintenance Pack 2 (10.0.2.0) for HP-UX PA-RISC (32-bit))
WebLogic Portal	V16548-01 (WebLogic Portal 10.2 Maintenance Pack 1 (10.2.1.0) for HP-UX PA-RISC (32-bit))
WebLogic Integration	V16547-01 (WebLogic Integration 10.2 Maintenance Pack 1 (10.2.1.0) for HP-UX PA-RISC (32-bit))

WebLogic Platform	V16455-01 (WebLogic Platform 10.2 Maintenance Pack 1 (10.2.1.0) for HP-UX PA-RISC (32-bit))
WebLogic Platform ISV	V16459-01 (WebLogic Platform ISV 10.2 Maintenance Pack 1 (10.2.1.0) for HP-UX PA-RISC (32-bit))

- Unzip the file.
3. 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.
 4. Make sure
 - 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_10.0
```
 - HP-UX libraries are installed before you install WebLogic Portal.

Download and Install WebLogic Media Pack for HP-UX Itanium

1. Make sure that your PATH variable includes \$JAVA_HOME/bin. For example:

```
export PATH=$JAVA_HOME/bin:$PATH
```
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	BEA WebLogic Media Pack v3
Platform	HP-UX Itanium
Media Pack	BEA WebLogic Media Pack v3 for HP-UX Itanium

- 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 Server	V16545-01 WebLogic Server Process Edition10.0 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)
Workshop for WebLogic	V16546-01 Workshop for WebLogic 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)

- Unzip the file.

3. 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.

4. Make sure

- 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_10.0
```

- HP-UX libraries are installed before you install WebLogic Portal.

5. For Itanium using 64-bit JDK, update the SHLIB_PATH variable to point to IPF64 directory under:

```
WL_HOME/server/native/hpux11/IPF64
```

In the file `$WL_HOME/common/bin/commEnv.sh` file, replace all occurrences of `WL_HOME/server/native/hpux11/IPF32` with `WL_HOME/server/native/hpux11/IPF64`.

Download and Install WebLogic Platform 10.2

- [Download and Install WebLogic Platform 10.2 for HP-UX 11i v2 on PA-RISC](#)
- [Download and Install WebLogic Portal 10.2 for HP-UX 11i v2 on PA-RISC](#)
- [Download and Install WebLogic Integration 10.2 for HP-UX 11i v2 on PA-RISC](#)
- [Download and Install WebLogic Platform 10.2 for HP-UX 11i v2 on Itanium](#)
- [Download and Install WebLogic Portal 10.2 for HP-UX 11i v2 on Itanium](#)
- [Download and Install WebLogic Integration 10.2 for HP-UX 11i v2 on Itanium](#)

Download and Install WebLogic Platform 10.2 for HP-UX 11i v2 on PA-RISC

Complete the following procedure:

1. Download WebLogic Platform 10.2 from [Oracle E-Delivery](#) by performing the following steps:
 - a. Enter your Oracle E-Delivery access credentials.
 - b. Select Product Pack “Oracle BEA” and platform “HP-UX PA-RISC (32-bit)”.
 - c. Select “BEA WebLogic Media Pack for HP-UX PA-RISC (32-bit)”.
 - d. Select Part number V13485-01 “WebLogic Platform ISV 10.2 for HP-UX PA-RISC (32-bit)”.
2. Install the using the installation procedure provided at:
<http://e-docs.bea.com/common/docs102/install/start.html>.

Download and Install WebLogic Portal 10.2 for HP-UX 11i v2 on PA-RISC

Complete the following procedure:

1. For information on WebLogic product downloads, refer to Metalink Note number 778849.1 in <http://metalink.oracle.com>.
2. Install the `.bin` file using the installation procedure provided at: <http://e-docs.bea.com/common/docs102/install/start.html>. This section describes how to install `.bin` files using Graphical mode.

Download and Install WebLogic Integration 10.2 for HP-UX 11i v2 on PA-RISC

Complete the following procedure:

1. For information on WebLogic product downloads, refer to Metalink Note number 778849.1 in <http://metalink.oracle.com>.
2. Install the `.bin` file using the installation procedure provided at: <http://e-docs.bea.com/common/docs102/install/start.html>. This section describes how to install `.bin` files using Graphical mode.

Download and Install WebLogic Platform 10.2 for HP-UX 11i v2 on Itanium

Complete the following procedure:

1. Download WebLogic Platform 10.2 from [Oracle E-Delivery](#) by performing the following steps:
 - a. Enter your Oracle E-Delivery access credentials.
 - b. Select Product Pack “Oracle BEA” and platform “HP-UX Itanium”.
 - c. Select “BEA WebLogic Media Pack HP-UX Itanium”.
 - d. For WebLogic Platform 10.2, select Part number B48182-01 “WebLogic Platform 10.2 for HP-UX Itanium”.

For information on installing WebLogic Platform, refer to the WebLogic Platform 10.2 Installation Guide: <http://edocs.bea.com/common/docs102/install/index.html>.

Download and Install WebLogic Portal 10.2 for HP-UX 11i v2 on Itanium

Complete the following procedure:

1. Download WebLogic Portal 10.2 from [Oracle E-Delivery](#) by performing the following steps:
 - a. Enter your Oracle E-Delivery access credentials.
 - b. Select Product Pack “Oracle BEA” and platform “HP-UX Itanium”.
 - c. Select “BEA WebLogic Media Pack for HP-UX Itanium”.
 - d. Select Part number B48186-01 “WebLogic Portal 10.2 for HP-UX Itanium”.
2. Install WebLogic Portal using the instructions in <http://e-docs.bea.com/common/docs102/install/start.html>. This section describes the process of installing .jar files in the Graphical mode.
3. Set the `WL_HOME` variable to the directory in which you installed your product, and export `WL_HOME`. For example:

```
$ export WL_HOME=<your_installation_directory>/wlserver_10.0
```

4. If you are using a 64-bit JDK, update the `SHLIB_PATH` variable to point to `IPF64` directory under:

```
WL_HOME/server/native/hpux11/IPF64
```

In the file `$WL_HOME/common/bin/commEnv.sh` file, replace all occurrences of `WL_HOME/server/native/hpux11/IPF32` with `WL_HOME/server/native/hpux11/IPF64`.

For information on installing WebLogic Portal, refer to the WebLogic Platform 10.2 Installation Guide: <http://edocs.bea.com/common/docs102/install/index.html>.

Download and Install WebLogic Integration 10.2 for HP-UX 11i v2 on Itanium

Complete the following procedure:

1. Download WebLogic Integration 10.2 from [Oracle E-Delivery](#) by performing the following steps:

- a. Enter your Oracle E-Delivery access credentials.
 - b. Select Product Pack “Oracle BEA” and platform “HP-UX Itanium”.
 - c. Select “BEA WebLogic Media Pack HP-UX Itanium”.
 - d. For WebLogic Integration 10.2, select Part Number B48181-01 “WebLogic Integration 10.2 for HP-UX Itanium”.
2. Install WebLogic Integration using the instructions in <http://e-docs.bea.com/common/docs102/install/start.html>. This section describes the process of installing .jar files in the Graphical mode.
 3. Set the WL_HOME variable to the directory in which you installed your product, and export WL_HOME. For example:

```
$ export WL_HOME=<your_installation_directory>/wlserver_10.0
```

4. If you are using a 64-bit JDK, update the SHLIB_PATH variable to point to IPF64 directory under:

```
WL_HOME/server/native/hpux11/IPF64
```

In the file `$WL_HOME/common/bin/commEnv.sh` file, replace all occurrences of `WL_HOME/server/native/hpux11/IPF32` with `WL_HOME/server/native/hpux11/IPF64`.

For information on installing WebLogic Integration, refer to the WebLogic Platform 10.2 Installation Guide: <http://edocs.bea.com/common/docs102/install/index.html>.

Recommended Kernel Parameter Settings

- Oracle recommends that you set the `maxdsiz` kernel parameter to a minimum value of 2 GB.
- On HP-UX 11 systems, the default value for maximum threads per process is 64. This value may be too low for WebLogic Server and many Java server applications: WebLogic Server may have problems starting up. Therefore, Oracle recommends that you use the maximum kernel setting for the `max_thread_proc` parameter: 1024.
- Oracle recommends that you set all the parameters listed in the following table to the “New Value” specified for each.

Recommended Kernel Parameter Settings

Parameter	Recommended Value	Description
<code>max_thread_proc</code>	1024	Maximum threads per process
<code>maxfiles</code>	256	Soft file limit per process
<code>nkthread</code>	3635	Number of threads total on the system
<code>nproc</code>	2068	Maximum number of processes

WebLogic Platform 10.2 on HP-UX 11i v3

WebLogic Platform 10.2 on HP-UX 11i v2

This section provides the following information for WebLogic Platform 10.2:

- [Related Information](#)
- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Install for HP-UX JDK and Libraries](#)
- [Download and Install for WebLogic Platform 10.2 MP1](#)
- [Download and Install for WebLogic Platform 10.2](#)
- [Recommended Kernel Parameter Settings](#)

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 HP-UX 11i v2, see the following HP Web site: <http://www.hp.com>.
- For WebLogic products download information, refer to Metalink Note number 778849.1 in <http://metalink.oracle.com>.

Configuration Requirements

- [Requirements for HP-UX 11i v2 on PA-RISC](#)

- [Requirements for HP-UX 11i v2 on Itanium \(32-bit JVM\)](#)
- [Requirements for HP-UX 11i v2 on Itanium \(64-bit JVM\)](#)

Table 2-1 Requirements for HP-UX 11i v2 on PA-RISC

Operating System Version and Patches	HP-UX 11i v2 (HP-UX 11.23) with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	PA-RISC (240 MHz)
JDK	HP-UX JDK for the Java 2 Standard Edition platform version 5.0.08 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/PA_RISC/libmuxer.sl</code>
Product Support	<ul style="list-style-type: none"> • WebLogic Platform 10.2, 10.2 MP1 • 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 (Runtime)

Table 2-2 Requirements for HP-UX 11i v2 on Itanium (32-bit JVM)

Operating System Version and Patches	HP-UX 11i v2 (HP-UX 11.23) with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	HP Itanium (1.5 GHz)

Table 2-2 Requirements for HP-UX 11i v2 on Itanium (32-bit JVM)

JDK	HP-UX JDK for the Java 2 Standard Edition platform version 5.0.08 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/IPF32/libmuxer.sl</code>
Product Support	<ul style="list-style-type: none"> • WebLogic Platform 10.2, 10.2 MP1 • 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)

Table 2-3 Requirements for HP-UX 11i v2 on Itanium (64-bit JVM)

Operating System Version and Patches	HP-UX 11i v2 (HP-UX 11.23) with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html
Chip Architecture and Minimum Processor Speed	HP Itanium (1.5 GHz)
JDK	HP-UX JDK for the Java 2 Standard Edition platform version 5.0.08 with Java HotSpot™ Server VM (64-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended

Table 2-3 Requirements for HP-UX 11i v2 on Itanium (64-bit JVM)

Performance Pack	<code>server/native/hpux11/IPF64/libmuxer.sl</code>
Product Support	<ul style="list-style-type: none">• WebLogic Platform 10.2, 10.2 MP1• 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)

Known Issues

- [Increase MaxPermSize](#)
- [Serial Version UID Mismatch](#)
- [Working with Large Objects via RMI over IIOP](#)
- [Configure JDBC Data Sources Window Not Displayed Properly](#)
- [Unable to Start WebLogic Server While Logged in as root](#)
- [HP Apache 2.0.55 does not load the plug-in modules correctly](#)
- [Known Issues for Other Products](#)

Increase MaxPermSize

You may need to increase the `MaxPermSize` parameter based on application requirements. For example: For the WebLogic Portal Groupspace sample, you may need to increase the `MaxPermSize` from 128MB to 256MB.

Serial Version UID Mismatch

A Serial Version UID Mismatch Issue is encountered if you deploy an application on a latest JVM, but built with an earlier service pack of Sun JDK 1.5.0.

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"
```

Alternatively, you can use the command line option:

```
export JAVA_OPTIONS="$JAVA_OPTIONS -Dcom.sun.xml.namespace.QName.useCompatibleSerialVersionUID=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.

Working with Large Objects via RMI over IIOP

If your application involves working with very large objects via RMI over IIOP, you might encounter the following exception:

```
java.rmi.MarshalException: ; nested exception is: org.omg.CORBA.MARSHAL:
vmcid: 0x0 minor code: 0 completed:
```

Workaround: Increase the size of the JVM thread stack using the `-xss` option on the command line. By default, the stack is set to 512 KB; modify it depending on the size of the object in question.

Configure JDBC Data Sources Window Not Displayed Properly

When creating or upgrading WebLogic Server domains in the console mode, the Configure JDBC Data Sources window does not display correctly.

Workaround: Use the GUI mode or silent mode to create or upgrade a WebLogic Server domain on this configuration.

Unable to Start WebLogic Server While Logged in as root

If you start or install WebLogic Server while logged in as root, while using the JDK, the server may fail to start and throw a `java.security.ProviderException`. If this happens, complete the following procedure:

- a. In a text editor, open the `java.security` file in the directory `JAVA_HOME/jre/lib/security`, where `JAVA_HOME` represents your JDK installation directory.
- b. Find the `securerandom.source=file:/dev/urandom` entry. Change it to:


```
securerandom.source=file:/dev/random
```
- c. Save the `java.security` file with your changes and close it.
- d. While still logged in as root, restart WebLogic Server.

HP Apache 2.0.55 does not load the plug-in modules correctly

1. While trying to load module `mod_wl_20.so` using Apache/2.0.55 HP-UX_Apache-based_Web_Server on HP-UX 11.23 on Itanium, you may encounter the following error:

```
Unsatisfied code symbol '_Unwind_Resume' in load module
```

Workaround: Add the following code

```
LoadFile /usr/lib/hpux64/libunwind.so
```

before the `LoadModule` code:

```
LoadModule weblogic_module <Path for mod_wl_20.so>
```

in `$APACHE_HOME/conf/httpd.conf` file, where `APACHE_HOME` points to your Apache installation.

2. While trying to load module `mod_wl128_20.so` using Apache/2.0.55 HP-UX_Apache-based_Web_Server on HP-UX 11.23 on Itanium, you may encounter the following errors:

```
Unsatisfied code symbol '__cxa_personality_routine' in load module.
```

```
Unsatisfied data symbol '_ZTVN10__cxxabiv119__pointer_type_infoE' in load module
```

```
Unsatisfied data symbol '_ZTVN10__cxxabiv117__class_type_infoE' in load module
```

Workaround: Add the following two lines of code

```
LoadFile /usr/lib/hpux64/libunwind.so
```

```
LoadFile /usr/lib/hpux64/libCsup.so.1
```

before the `LoadModule` code:

```
LoadModule weblogic_module <Path for mod_wl128_20.so>
```

in `$APACHE_HOME/conf/httpd.conf` file, where `APACHE_HOME` points to your Apache installation.

Known Issues for 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	<i>WebLogic Server Known and Resolved Issues:</i> http://e-docs.bea.com/wls/docs100/issues/known_resolved.html
WebLogic Portal	<i>WebLogic Portal Release Notes:</i> http://e-docs.bea.com/wlp/docs102/relnotes/index.html
WebLogic Integration	<i>WebLogic Integration Release Notes:</i> http://e-docs.bea.com/wli/docs102/relnotes/index.html
Workshop for WebLogic	<i>Workshop for WebLogic Release Notes:</i> http://e-docs.bea.com/wlw/docs102/relnotes/index.html

Download and Install for HP-UX JDK and Libraries

- [Download and Install HP-UX JDK 5.0 \(32-bit/64-bit\) for HP-UX 11i v2 on Itanium](#)
- [Download the HP-UX Libraries Required for HP-UX 11i v2 on Itanium](#)

Download and Install HP-UX JDK 5.0 (32-bit/64-bit) for HP-UX 11i v2 on Itanium

Complete the following procedure:

1. Go to the HP download site:
 - http://www.hp.com/products1/unix/java/java2/jdkjre5_0/
2. Download and install HP-UX JDK 5.0 for your configuration.
3. Set the `JAVA_HOME` environment variable to the directory in which HP JDK is installed, and export `JAVA_HOME`. For example:


```
export JAVA_HOME=/opt/java1.5
```
4. Make sure that your `PATH` variable includes `$JAVA_HOME/bin`. For example:


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

5. If you are using the 64-bit JDK, use the `-d64` option to invoke 64 bit Hotspot server. For example:

```
$java -d64 version
```

should show, depending on your JDK, a string similar to:

```
java version "1.5.0.08" Java(TM) 2 Runtime Environment, Standard Edition  
(build 1.5.0.08-_04_may_2007_06_31) Java HotSpot(TM) 64-Bit Server VM  
(build 1.5.0.08 jinteg:05.04.07-13:52 IA64W, mixed mode)
```

Download the HP-UX Libraries Required for HP-UX 11i v2 on Itanium

Complete the following procedure:

1. Go to the Web site

<http://hpux.connect.org.uk/>

2. Use the search button to find the following libraries:

```
libiconv-1.12-ia64-11.31.depot (Hint: Search with token: libiconv-1.12)
```

```
libxml2-2.6.30-ia64-11.31.depot (Hint: Search with  
token: libxml2-2.6.30)
```

```
libxslt-1.1.22-ia64-11.31.depot (Hint: Search with token:  
libxslt-1.1.22)
```

```
zlib-1.2.3-ia64-11.31.depot (Hint: Search with token: zlib-1.2.3)
```

3. Download and install the libraries before proceeding to install WebLogic Portal 10.2.

Download and Install for WebLogic Platform 10.2 MP1

- [Download and Install WebLogic Media Pack for HP-UX PA-RISC \(32-bit\)](#)
- [Download and Install WebLogic Media Pack for HP-UX Itanium](#)

Download and Install WebLogic Media Pack for HP-UX PA-RISC (32-bit)

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

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

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 BEA
Platform	HP-UX PA-RISC (32-bit)
Media Pack	BEA WebLogic Media Pack v2 for HP-UX PA-RISC (32-bit)

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

Product	Part Number (Description)
WebLogic Server	V16490-01 (WebLogic Server 10.0 Maintenance Pack 2 (10.0.2.0) for HP-UX PA-RISC (32-bit))
WebLogic Portal	V16548-01 (WebLogic Portal 10.2 Maintenance Pack 1 (10.2.1.0) for HP-UX PA-RISC (32-bit))
WebLogic Integration	V16547-01 (WebLogic Integration 10.2 Maintenance Pack 1 (10.2.1.0) for HP-UX PA-RISC (32-bit))
WebLogic Platform	V16455-01 (WebLogic Platform 10.2 Maintenance Pack 1 (10.2.1.0) for HP-UX PA-RISC (32-bit))
WebLogic Platform ISV	V16459-01 (WebLogic Platform ISV 10.2 Maintenance Pack 1 (10.2.1.0) for HP-UX PA-RISC (32-bit))

- Unzip the file.
3. 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.

4. Make sure

- 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_10.2
```

- HP-UX libraries are installed before you install WebLogic Portal.

Download and Install WebLogic Media Pack for HP-UX Itanium

1. Make sure that your PATH variable includes \$JAVA_HOME/bin. For example:

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

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 BEA
Platform	HP-UX Itanium
Media Pack	BEA WebLogic Media Pack v3 for HP-UX Itanium

- 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 Server	V16545-01 WebLogic Server Process Edition 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)
Workshop for WebLogic	V16546-01 Workshop for WebLogic 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)

- Unzip the file.
- 3. Install the WebLogic Products using the directions provided in the [BEA Products Installation Guide](#).
- 4. Refer to <http://e-docs.bea.com/common/docs102/install/start.html> for instructions on how to install the .jar or .bin or .exe installer files.
- 5. Make sure
 - WL_HOME variable is set to the directory in which you installed your product, and export WL_HOME. For example,
- 6. For Itanium using 64-bit JDK, update the SHLIB_PATH variable to point to IPF64 directory under:

```
WL_HOME/server/native/hpux11/IPF64
```

In the file \$WL_HOME/common/bin/commEnv.sh file, replace all occurrences of WL_HOME/server/native/hpux11/IPF32 with WL_HOME/server/native/hpux11/IPF64.

Download and Install for WebLogic Platform 10.2

- [Download and Install WebLogic Platform 10.2 for HP-UX 11i v2 on PA-RISC](#)
- [Download and Install WebLogic Portal 10.2 for HP-UX 11i v2 on PA-RISC](#)
- [Download and Install WebLogic Integration 10.2 for HP-UX 11i v2 on PA-RISC](#)
- [Download and Install WebLogic Platform 10.2 for HP-UX 11i v2 on Itanium](#)
- [Download and Install WebLogic Portal 10.2 for HP-UX 11i v2 on Itanium](#)
- [Download and Install WebLogic Integration 10.2 for HP-UX 11i v2 on Itanium](#)

Download and Install WebLogic Platform 10.2 for HP-UX 11i v2 on PA-RISC

Complete the following procedure:

1. Download WebLogic Platform 10.2 from [Oracle E-Delivery](#) by performing the following steps:
 - a. Enter your Oracle E-Delivery access credentials.
 - b. Select Product Pack “Oracle BEA” and platform “HP-UX PA-RISC (32-bit)”.
 - c. Select “BEA WebLogic Media Pack for HP-UX PA-RISC (32-bit)”.
 - d. Select Part number V13485-01 “WebLogic Platform ISV 10.2 for HP-UX PA-RISC (32-bit)”.
2. Install the using the installation procedure provided at:
<http://e-docs.bea.com/common/docs102/install/start.html>.

Download and Install WebLogic Portal 10.2 for HP-UX 11i v2 on PA-RISC

Complete the following procedure:

1. For information on WebLogic product downloads, refer to Metalink Note number 778849.1 in <http://metalink.oracle.com>.
2. Install the `.bin` file using the installation procedure provided at:
<http://e-docs.bea.com/common/docs102/install/start.html>. This section describes how to install `.bin` files using Graphical mode.

Download and Install WebLogic Integration 10.2 for HP-UX 11i v2 on PA-RISC

Complete the following procedure:

1. For information on WebLogic product downloads, refer to Metalink Note number 778849.1 in <http://metalink.oracle.com>.

2. Install the `.bin` file using the installation procedure provided at: <http://e-docs.bea.com/common/docs102/install/start.html>. This section describes how to install `.bin` files using Graphical mode.

Download and Install WebLogic Platform 10.2 for HP-UX 11i v2 on Itanium

Complete the following procedure:

1. Download WebLogic Platform 10.2 from [Oracle E-Delivery](#) by performing the following steps:
 - a. Enter your Oracle E-Delivery access credentials.
 - b. Select Product Pack “Oracle BEA” and platform “HP-UX Itanium”.
 - c. Select “BEA WebLogic Media Pack HP-UX Itanium”.
 - d. For WebLogic Platform 10.2, select Part number B48182-01 “WebLogic Platform 10.2 for HP-UX Itanium”.

For information on installing WebLogic Platform, refer to the WebLogic Platform 10.2 Installation Guide: <http://edocs.bea.com/common/docs102/install/index.html>.

Download and Install WebLogic Portal 10.2 for HP-UX 11i v2 on Itanium

Complete the following procedure:

1. Download WebLogic Portal 10.2 from [Oracle E-Delivery](#) by performing the following steps:
 - a. Enter your Oracle E-Delivery access credentials.
 - b. Select Product Pack “Oracle BEA” and platform “HP-UX Itanium”.
 - c. Select “BEA WebLogic Media Pack for HP-UX Itanium”.
 - d. Select Part number B48186-01 “WebLogic Portal 10.2 for HP-UX Itanium”.

2. Install WebLogic Portal using the instructions in <http://e-docs.bea.com/common/docs102/install/start.html>. This section describes the process of installing .jar files in the Graphical mode.
3. Set the WL_HOME variable to the directory in which you installed your product, and export WL_HOME. For example:

```
$ export WL_HOME=<your_installation_directory>/wlserver_10.0
```

4. If you are using a 64-bit JDK, update the SHLIB_PATH variable to point to IPF64 directory under:

```
WL_HOME/server/native/hpux11/IPF64
```

In the file \$WL_HOME/common/bin/commEnv.sh file, replace all occurrences of WL_HOME/server/native/hpux11/IPF32 with WL_HOME/server/native/hpux11/IPF64.

For information on installing WebLogic Portal, refer to the WebLogic Platform 10.2 Installation Guide: <http://edocs.bea.com/common/docs102/install/index.html>.

Download and Install WebLogic Integration 10.2 for HP-UX 11i v2 on Itanium

Complete the following procedure:

1. Download WebLogic Integration 10.2 from [Oracle E-Delivery](#) by performing the following steps:
 - a. Enter your Oracle E-Delivery access credentials.
 - b. Select Product Pack “Oracle BEA” and platform “HP-UX Itanium”.
 - c. Select “BEA WebLogic Media Pack HP-UX Itanium”.
 - d. For WebLogic Integration 10.2, select Part Number B48181-01 “WebLogic Integration 10.2 for HP-UX Itanium”.
2. Install WebLogic Integration using the instructions in <http://e-docs.bea.com/common/docs102/install/start.html>. This section describes the process of installing .jar files in the Graphical mode.
3. Set the WL_HOME variable to the directory in which you installed your product, and export WL_HOME. For example:

```
$ export WL_HOME=<your_installation_directory>/wlserver_10.0
```


4. If you are using a 64-bit JDK, update the `SHLIB_PATH` variable to point to `IPF64` directory under:

```
WL_HOME/server/native/hpux11/IPF64
```

In the file `$WL_HOME/common/bin/commEnv.sh` file, replace all occurrences of `WL_HOME/server/native/hpux11/IPF32` with `WL_HOME/server/native/hpux11/IPF64`.

For information on installing WebLogic Integration, refer to the WebLogic Platform 10.2 Installation Guide: <http://edocs.bea.com/common/docs102/install/index.html>.

Recommended Kernel Parameter Settings

- Oracle recommends that you set the `maxdsiz` kernel parameter to a minimum value of 2 GB.
- On HP-UX 11 systems, the default value for maximum threads per process is 64. This value may be too low for WebLogic Server and many Java server applications: WebLogic Server may have problems starting up. Therefore, Oracle recommends that you use the maximum kernel setting for the `max_thread_proc` parameter: 1024.
- Oracle recommends that you set all the parameters listed in the following table to the “New Value” specified for each.

Parameter	Recommended Value	Description
<code>max_thread_proc</code>	1024	Maximum threads per process
<code>maxfiles</code>	256	Soft file limit per process
<code>nkthread</code>	3635	Number of threads total on the system
<code>nproc</code>	2068	Maximum number of processes

WebLogic Platform 10.2 on HP-UX 11i v2

WebLogic Platform 10.2 on HP-UX 11i

This section provides the following information:

- [Related Information](#)
- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Install Instructions](#)
- [Recommended Kernel Parameter Settings](#)

Related Information

- For information about supported database configurations, Web servers, browsers, interoperability tools, and product support, see:
 - [Supported Configurations for WebLogic Platform 10.2](#)
- For information about HP-UX 11i, see the following HP Web site: <http://www.hp.com>.

Configuration Requirements

Table 3-1 Requirements for HP-UX 11i on PA-RISC

Operating System Version and Patches	HP-UX 11i with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	PA-RISC (240 MHz)
JDK	HP-UX JDK for the Java 2 Standard Edition platform version 5.0.08 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/PA_RISC/libmuxer.sl</code>
Product Support	<ul style="list-style-type: none"> • WebLogic Server 10.0 MP1 • WebLogic Portal 10.2 • WebLogic Integration 10.2 • Workshop for WebLogic 10.2 (Runtime)

Known Issues

Increase MaxPermSize

You may need to increase the `MaxPermSize` parameter based on application requirements. For example: For the WebLogic Portal Groupspace sample, you may need to increase the `MaxPermSize` from 128MB to 256MB.

Serial Version UID Mismatch

A Serial Version UID Mismatch Issue is encountered if you deploy an application on a latest JVM, but built with an earlier JVM.

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"
```

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.

Unable to Start WebLogic Server While Logged in as root

If you start or install WebLogic Server while logged in as root, while using the JDK, the server may fail to start and throw a `java.security.ProviderException`. If this happens, complete the following procedure:

- a. In a text editor, open the `java.security` file in the directory `JAVA_HOME/jre/lib/security`, where `JAVA_HOME` represents your JDK installation directory.
- b. Find the `securerandom.source=file:/dev/urandom` entry. Change it to:

```
securerandom.source=file:/dev/random
```
- c. Save the `java.security` file with your changes and close it.
- d. While still logged in as root, restart WebLogic Server.

Known Issues for 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	<i>WebLogic Server Known and Resolved Issues:</i> http://e-docs.bea.com/wls/docs100/issues/known_resolved.html
WebLogic Portal	<i>WebLogic Portal Release Notes:</i> http://e-docs.bea.com/wlp/docs102/relnotes/index.html
WebLogic Integration	<i>WebLogic Integration Release Notes:</i> http://e-docs.bea.com/wli/docs102/relnotes/index.html
Workshop for WebLogic	<i>Workshop for WebLogic Release Notes:</i> http://e-docs.bea.com/wlw/docs102/relnotes/index.html

Download and Install Instructions

- [Download and Install WebLogic Portal 10.2 for HP-UX 11i on PA-RISC](#)
- [Download and Install WebLogic Integration 10.2 for HP-UX 11i on PA-RISC](#)

Download and Install WebLogic Portal 10.2 for HP-UX 11i on PA-RISC

Complete the following procedure:

1. Go to [Oracle Technology Network](#) or [Oracle E-Delivery](#) and download WebLogic Portal for HP-UX PA-RISC (32-bit).

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 the `.bin` file using the installation procedure provided at: <http://e-docs.bea.com/common/docs102/install/start.html>. This section describes how to install `.bin` files using Graphical mode.

Download and Install WebLogic Integration 10.2 for HP-UX 11i on PA-RISC

Complete the following procedure:

1. Go to [Oracle Technology Network](#) or [E-Delivery](#) and download WebLogic Integration 10.2 for HP-UX PA-RISC (32-bit).

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. Unzip the file.
3. Install the `.bin` file using the installation procedure provided at: <http://e-docs.bea.com/common/docs102/install/start.html>. This section describes how to install `.bin` files using Graphical mode.

Recommended Kernel Parameter Settings

- Oracle recommends that you set the `maxdsiz` kernel parameter to a minimum value of 2 GB.
- On HP-UX 11 systems, the default value for maximum threads per process is 64. This value may be too low for WebLogic Server and many Java server applications: WebLogic Server may have problems starting up. Therefore, Oracle recommends that you use the maximum kernel setting for the `max_thread_proc` parameter: 1024.
- Oracle recommends that you set all the parameters to the values shown in the following table.

Parameter	Recommended Value	Description
<code>max_thread_proc</code>	1024	Maximum threads per process
<code>maxfiles</code>	256	Soft file limit per process
<code>nkthread</code>	3635	Number of threads total on the system
<code>nproc</code>	2068	Maximum number of processes

WebLogic Platform 10.0 on HP-UX 11i v3

This section provides the following information:

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

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 HP-UX 11i v3, see the following HP Web site:
<http://www.hp.com>.

Configuration Requirements

- [Requirements for HP-UX 11i v3 on PA-RISC](#)
- [Requirements for HP-UX 11i v3 on Itanium \(32-bit JVM\)](#)
- [Requirements for HP-UX 11i v3 on Itanium \(64-bit JVM\)](#)

Table 4-1 Requirements for HP-UX 11i v3 on PA-RISC

Operating System Version and Patches	HP-UX 11i v3 (HP-UX 11.31) with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	PA-RISC (240 MHz)
JDK	<ul style="list-style-type: none"> • 10.0: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.04 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 10.0 MP1: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.08 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 10.0 MP2: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.08 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/PA_RISC/libmuxer.sl</code>
Product Support	<ul style="list-style-type: none"> • 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 4-2 Requirements for HP-UX 11i v3 on Itanium (32-bit JVM)

Operating System Version and Patches	HP-UX 11i v3 (HP-UX 11.31) with HP-UX patches for Java™. See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	HP Itanium (1.5 GHz)

Table 4-2 Requirements for HP-UX 11i v3 on Itanium (32-bit JVM)

JDK	<ul style="list-style-type: none"> • 10.0: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.04 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 10.0 MP1: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.08 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 10.0 MP2: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.08 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/IPF32/libmuser.so</code>
Product Support	<ul style="list-style-type: none"> • 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 4-3 Requirements for HP-UX 11i v3 on Itanium (64-bit JVM)

Operating System Version and Patches	HP-UX 11i v3 (HP-UX 11.31) with HP-UX patches for Java™. See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	HP Itanium (1.5 GHz)
JDK	<ul style="list-style-type: none"> • 10.0: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.04 with Java HotSpot™ Server VM (64-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 10.0 MP1: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.08 with Java HotSpot™ Server VM (64-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 10.0 MP2: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.08 with Java HotSpot™ Server VM (64-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended

Table 4-3 Requirements for HP-UX 11i v3 on Itanium (64-bit JVM)

Performance Pack	<code>server/native/hpux11/IPF64/libmuxer.so</code>
Product Support	<ul style="list-style-type: none">• 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)

Known Issues

- [Known Issues Pertaining to HP-UX JDK](#)
- [Increase MaxPermSize](#)
- [Serial Version UID Mismatch](#)
- [Known Issues Pertaining to HP-UX 11i v3 on Itanium](#)
- [Known Issues for Other Products](#)

Known Issues Pertaining to HP-UX JDK

If you are using releases of HP-UX JDK 5.0.04, HP-UX JDK 5.0.05, and HP-UX JDK 5.0.06, you may experience an out-of-memory error. Oracle recommends upgrading to the latest JDK version. See <http://www.hp.com/go/java>.

Increase MaxPermSize

You may need to increase the `MaxPermSize` parameter based on application requirements. For example: For the WebLogic Portal Groupspace sample, you may need to increase the `MaxPermSize` from 128MB to 256MB.

Serial Version UID Mismatch

A Serial Version UID Mismatch Issue is encountered if you deploy an application on a latest JVM, but built with Sun JDK 1.5.0_06 or HP JDK 1.5.0.4 equivalent

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"
```

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.

Known Issues Pertaining to HP-UX 11i v3 on Itanium

Working with Large Objects via RMI over IIOP

If your application involves working with very large objects via RMI over IIOP, you might encounter the following exception:

```
java.rmi.MarshalException: ; nested exception is: org.omg.CORBA.MARSHAL:
vmcid: 0x0 minor code: 0 completed:
```

Workaround: Increase the size of the JVM thread stack using the `-xss` option on the command line. By default, the stack is set to 512 KB; modify it depending on the size of the object in question.

Configure JDBC Data Sources Window Not Displayed Properly

When creating or upgrading WebLogic Server domains in the console mode, the Configure JDBC Data Sources window does not display correctly.

Workaround: Use the GUI mode or silent mode to create or upgrade a WebLogic Server domain on this configuration.

Unable to Start WebLogic Server While Logged in as root

If you start or install WebLogic Server while logged in as root, while using the JDK, the server may fail to start and throw a `java.security.ProviderException`. If this happens, complete the following procedure:

- a. In a text editor, open the `java.security` file in the directory `JAVA_HOME/jre/lib/security`, where `JAVA_HOME` represents your JDK installation directory.
- b. Find the `securerandom.source=file:/dev/urandom` entry. Change it to:

```
securerandom.source=file:/dev/random
```

- c. Save the `java.security` file with your changes and close it.
- d. While still logged in as root, restart WebLogic Server.

Known Issues for 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	<i>WebLogic Server Known and Resolved Issues:</i> http://e-docs.bea.com/wls/docs100/issues/known_resolved.html
Installation and Configuration	<i>Products Installation and Configuration Release Notes:</i> http://e-docs.bea.com/common/docs100/relnotes/relnotes.html
WebLogic Portal	<i>WebLogic Portal Release Notes:</i> http://e-docs.bea.com/wlp/docs100/relnotes/index.html
Workshop for WebLogic	<i>Workshop for WebLogic Release Notes:</i> http://e-docs.bea.com/wlw/docs100/relnotes/index.html
Workshop for WebLogic 10.1	<i>Workshop for WebLogic10.1 Release Notes:</i> http://e-docs.bea.com/wlw/docs101/relnotes/index.html

Download and Installation Instructions

This section includes the following procedures:

- [Download and Install WebLogic 10.0 and Later MPs for HP-UX 11i v3 on PA-RISC](#)
- [Download and Install HP-UX JDK 5.0 for HP-UX 11i v3 on Itanium \(32 bit\)](#)
- [Download and Install HP-UX JDK 5.0 for HP-UX 11i v3 on Itanium \(64 bit\)](#)
- [Download and Install WebLogic Server 10.0 and Later MPs on HP-UX 11i V3 on Itanium \(32 Bit\)](#)

- [Download and Install WebLogic Server 10.0 and Later MPs on HP-UX 11i V3 on Itanium \(64 Bit\)](#)
- [Download HP-UX Libraries Required for HP-UX 11i v3 on Itanium \(only for WebLogic Portal 10.0 and Later MPs\)](#).
- [Download and Install WebLogic Portal 10.0 and Later MPs on HP-UX 11i V3 on Itanium \(32 Bits\)](#)
- [Downloading and Installing WebLogic Portal 10.0 and Later MPs on HP-UX 11i V3 on Itanium \(64 Bits\)](#)

Download and Install WebLogic 10.0 and Later MPs for HP-UX 11i v3 on PA-RISC

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 “HP-UX PA-RISC (32-bit)”.
- Select media pack “BEA WebLogic Media for HP-UX PA-RISC (32-bit)>”
- 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 HP-UX JDK 5.0 for HP-UX 11i v3 on Itanium (32 bit)

Complete the following procedure:

1. Go to the HP download site:

- http://www.hp.com/products1/unix/java/java2/jdkjre5_0/

2. Download and install HP-UX JDK 5.0 for your configuration.
3. Set the `JAVA_HOME` environment variable to the directory in which HP JDK is installed, and export `JAVA_HOME`. For example:

```
export JAVA_HOME=/opt/java1.5
```

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

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

Download and Install HP-UX JDK 5.0 for HP-UX 11i v3 on Itanium (64 bit)

Complete the following procedure:

1. Download and install HP-UX JDK 5.0 using the following instructions: [Download and Install HP-UX JDK 5.0 for HP-UX 11i v3 on Itanium \(32 bit\)](#).
2. Use the `-d64` option to invoke 64 bit Hotspot server. For example:

```
$java -d64 version
```

should show, depending on your JDK, a string similar to:

```
java version "1.5.0.06" Java(TM) 2 Runtime Environment, Standard Edition
(build 1.5.0.06-_12_jan_2007_03_27) Java HotSpot(TM) 64-Bit Server VM
(build 1.5.0.06 jinteg:01.12.07-10:56 IA64W, mixed mode)
```

Download and Install WebLogic Server 10.0 and Later MPs on HP-UX 11i V3 on Itanium (32 Bit)

Complete the following procedure:

To install WebLogic Server on HP-UX 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 “HP-UX Itanium”.
- Select media pack “BEA WebLogic Media for HP-UX 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.

3. Set the `WL_HOME` variable to the directory in which you installed your product, and export `WL_HOME`. For example:

```
$ export WL_HOME=<your_installation_directory>/wlserver_10.0
cd $WL_HOME/server/native/hpux11/
```

4. Set the following execution modes on the contents of the `$WL_HOME/server/native` directory:

```
$ chmod -R +x $WL_HOME/server/native/hpux11/*
```

For more information on installing WebLogic Server, refer to the WebLogic Server 10.0 Installation Guide at <http://edocs.bea.com/common/docs100/install/index.html>.

Download and Install WebLogic Server 10.0 and Later MPs on HP-UX 11i V3 on Itanium (64 Bit)

Complete the following procedure:

1. Download and install WebLogic Server 10.0 using the instructions at: [Download and Install WebLogic Server 10.0 and Later MPs on HP-UX 11i V3 on Itanium \(32 Bit\)](#)

2. Update the `SHLIB_PATH` variable to point to IPF64 directory under:

```
WL_HOME/server/native/hpux11/IPF64
```

In the file `WL_HOME/common/bin/commEnv.sh` file, replace all occurrences of `WL_HOME/server/native/hpux11/IPF32` with `WL_HOME/server/native/hpux11/IPF64`.

Download HP-UX Libraries Required for HP-UX 11i v3 on Itanium (only for WebLogic Portal 10.0 and Later MPs).

Complete the following procedure:

1. Go to the Web site

<http://gatekeep.cs.utah.edu/hppd/hpux/Misc/zlib-1.2.3/>

2. Use the search button to find the following libraries:

- `libiconv-1.11-hppa-11.23.depot` (Hint: Search with token: `libiconv-1.11`)
- `libxml2-2.6.26-hppa-11.23.depot` (Hint: Search with token: `libxml2-2.6.26`)
- `libxslt-1.1.17-hppa-11.23.depot` (Hint: Search with token: `libxslt-1.1.17`)
- `zlib-1.2.3-hppa-11.23.depot` (Hint: Search with token: `zlib-1.2.3`)

3. Download and install the libraries before proceeding to install WebLogic Portal 10.0.

Download and Install WebLogic Portal 10.0 and Later MPs on HP-UX 11i V3 on Itanium (32 Bits)

Complete the following procedure:

1. Go to [Oracle Technology Network](#) or [Oracle E-Delivery](#) and download WebLogic Portal for HP-UX Itanium).

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 <http://e-docs.bea.com/common/docs100/install/start.html>. This section describes the process of installing .jar files in the Graphical mode.

3. Set the `WL_HOME` variable to the directory in which you installed your product, and export `WL_HOME`. For example:

```
$ export WL_HOME=<your_installation_directory>/wlserver_10.0
```

4. `cd $WL_HOME/server/native/hpux11/`
5. Set the following execution modes on the contents of the `$WL_HOME/server/native` directory:

```
$ chmod -R +x $WL_HOME/server/native/hpux11/*
```

Downloading and Installing WebLogic Portal 10.0 and Later MPs on HP-UX 11i V3 on Itanium (64 Bits)

Complete the following procedure:

1. Download and install WebLogic Server 10.0 using the instructions at: [Download and Install WebLogic Portal 10.0 and Later MPs on HP-UX 11i V3 on Itanium \(32 Bits\)](#)
2. Update the `SHLIB_PATH` variable to point to `IPF64` directory under:

```
WL_HOME/server/native/hpux11/IPF64
```

In the file `$WL_HOME/common/bin/commEnv.sh` file, replace all occurrences of `WL_HOME/server/native/hpux11/IPF32` with

```
WL_HOME/server/native/hpux11/IPF64.
```

For more information on installing WebLogic Server, refer to the WebLogic Server 10.0 Installation Guide: <http://edocs.bea.com/common/docs100/install/index.html>.

WebLogic Platform 10.0 on HP-UX 11i v3

WebLogic Platform 10.0 on HP-UX 11i v2

This section provides the following information:

- [Related Information](#)
- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Installation Instructions](#)
- [Recommended Kernel Parameter Settings](#)

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 HP-UX 11i v2, see the following HP Web site:
<http://www.hp.com>.

Configuration Requirements

- [Requirements for HP-UX 11i v2 on PA-RISC](#)
- [Requirements for HP-UX 11i v2 on Itanium \(32-bit JVM\)](#)

- [Requirements for HP-UX 11i v2 on Itanium \(64-bit JVM\)](#)

Table 5-1 Requirements for HP-UX 11i v2 on PA-RISC

Operating System Version and Patches	HP-UX 11i v2 (HP-UX 11.23) with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	PA-RISC (240 MHz)
JDK	<ul style="list-style-type: none"> • 10.0: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.04 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 10.0 MP1: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.08 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 10.0 MP2: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.08 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/PA_RISC/libmuxer.sl</code>
Product Support	<ul style="list-style-type: none"> • 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 HP-UX 11i v2 on Itanium (32-bit JVM)

Operating System Version and Patches	HP-UX 11i v2 (HP-UX 11.23) with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	HP Itanium (1.5 GHz)

Table 5-2 Requirements for HP-UX 11i v2 on Itanium (32-bit JVM)

JDK	<ul style="list-style-type: none"> • 10.0: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.04 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 10.0 MP1: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.08 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/IPF32/libmuser.so</code>
Product Support	<ul style="list-style-type: none"> • WebLogic Server 10.0 (includes MP1, MP2) • WebLogic Portal 10.0 (includes MP1) • Workshop for WebLogic 10.0 (includes MP1) (Runtime) • Workshop10.1 (Runtime)

Table 5-3 Requirements for HP-UX 11i v2 on Itanium (64-bit JVM)

Operating System Version and Patches	HP-UX 11i v2 (HP-UX 11.23) with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html
Chip Architecture and Minimum Processor Speed	HP Itanium (1.5 GHz)
JDK	<ul style="list-style-type: none"> • 10.0: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.04 with Java HotSpot™ Server VM (64-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 10.0 MP1: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.08 with Java HotSpot™ Server VM (64-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 10.0 MP2: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.08 with Java HotSpot™ Server VM (64-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended

Table 5-3 Requirements for HP-UX 11i v2 on Itanium (64-bit JVM)

Performance Pack	<code>server/native/hpux11/IPF64/libmuxer.so</code>
Product Support	<ul style="list-style-type: none">• 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)

Known Issues

- [Known Issues Pertaining to HP-UX JDK](#)
- [Increase MaxPermSize](#)
- [Serial Version UID Mismatch](#)
- [Known Issues Pertaining to HP-UX 11i v2 on Itanium](#)
- [Known Issues for Other Products](#)

Known Issues Pertaining to HP-UX JDK

If you are using releases of HP-UX JDK 5.0.04, HP-UX JDK 5.0.05, and HP-UX JDK 5.0.06, you may experience an out-of-memory error. Oracle recommends upgrading to the latest JDK version. See <http://www.hp.com/go/java>.

Increase MaxPermSize

You may need to increase the `MaxPermSize` parameter based on application requirements. For example: For the WebLogic Portal Groupspace sample, you may need to increase the `MaxPermSize` from 128MB to 256MB.

Serial Version UID Mismatch

A Serial Version UID Mismatch Issue is encountered if you deploy an application on a latest JVM, but built with Sun JDK 1.5.0_06 or HP JDK 1.5.0.4 equivalent

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"
```

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.

Known Issues Pertaining to HP-UX 11i v2 on Itanium

Working with Large Objects via RMI over IIOP

If your application involves working with very large objects via RMI over IIOP, you might encounter the following exception:

```
java.rmi.MarshalException: ; nested exception is: org.omg.CORBA.MARSHAL:
vmcid: 0x0 minor code: 0 completed:
```

Workaround: Increase the size of the JVM thread stack using the `-xss` option on the command line. By default, the stack is set to 512 KB; modify it depending on the size of the object in question.

Configure JDBC Data Sources Window Not Displayed Properly

When creating or upgrading WebLogic Server domains in the console mode, the Configure JDBC Data Sources window does not display correctly.

Workaround: Use the GUI mode or silent mode to create or upgrade a WebLogic Server domain on this configuration.

Unable to Start WebLogic Server While Logged in as root

If you start or install WebLogic Server while logged in as root, while using the JDK, the server may fail to start and throw a `java.security.ProviderException`. If this happens, complete the following procedure:

- a. In a text editor, open the `java.security` file in the directory `JAVA_HOME/jre/lib/security`, where `JAVA_HOME` represents your JDK installation directory.
- b. Find the `securerandom.source=file:/dev/urandom` entry. Change it to:

```
securerandom.source=file:/dev/random
```

- c. Save the `java.security` file with your changes and close it.
- d. While still logged in as root, restart WebLogic Server.

HP Apache 2.0.55 does not load the plug-in modules correctly

1. While trying to load module `mod_wl_20.so` using Apache/2.0.55 HP-UX_Apache-based_Web_Server on HP-UX 11.23 on Itanium, you may encounter the following error:

```
Unsatisfied code symbol '_Unwind_Resume' in load module
```

Workaround: Add the following code

```
LoadFile /usr/lib/hpux64/libunwind.so
```

before the `LoadModule` code:

```
LoadModule weblogic_module <Path for mod_wl_20.so>
```

in `$APACHE_HOME/conf/httpd.conf` file, where `APACHE_HOME` points to your Apache installation.

2. While trying to load module `mod_wl128_20.so` using Apache/2.0.55 HP-UX_Apache-based_Web_Server on HP-UX 11.23 on Itanium, you may encounter the following errors:

```
Unsatisfied code symbol '__cxa_personality_routine' in load module.
```

```
Unsatisfied data symbol '_ZTVN10__cxxabiv119__pointer_type_infoE' in load module
```

```
Unsatisfied data symbol '_ZTVN10__cxxabiv117__class_type_infoE' in load module
```

Workaround: Add the following two lines of code

```
LoadFile /usr/lib/hpux64/libunwind.so
```

```
LoadFile /usr/lib/hpux64/libCsup.so.1
```

before the `LoadModule` code:

```
LoadModule weblogic_module <Path for mod_wl128_20.so>
```

in `$APACHE_HOME/conf/httpd.conf` file, where `APACHE_HOME` points to your Apache installation.

Known Issues for 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	<i>WebLogic Server Known and Resolved Issues:</i> http://e-docs.bea.com/wls/docs100/issues/known_resolved.html
Installation and Configuration	<i>Products Installation and Configuration Release Notes:</i> http://e-docs.bea.com/common/docs100/relnotes/relnotes.html
WebLogic Portal	<i>WebLogic Portal Release Notes:</i> http://e-docs.bea.com/wlp/docs100/relnotes/index.html
Workshop for WebLogic	<i>Workshop for WebLogic Release Notes:</i> http://e-docs.bea.com/wlw/docs100/relnotes/index.html
Workshop for WebLogic 10.1	<i>Workshop for WebLogic 10.1 Release Notes:</i> http://e-docs.bea.com/wlw/docs101/relnotes/index.html

Download and Installation Instructions

This section includes the following procedures:

- [Download and Install WebLogic 10.0 and Later MPs on HP-UX 11i v2 on PA-RISC](#)
- [Download and Install HP-UX JDK 5.0 for HP-UX 11i v2 on Itanium \(32 bit\)](#)
- [Download and Install HP-UX JDK 5.0 for HP-UX 11i v2 on Itanium \(64 bit\)](#)
- [Download and Install WebLogic Server 10.0 and Later MPs on HP-UX 11i v2 on Itanium \(32 Bit\)](#)
- [Download and Install WebLogic Server 10.0 and Later MPs on HP-UX 11i v2 on Itanium \(64 Bit\)](#)
- [Download HP-UX Libraries Required for HP-UX 11i v2 on Itanium \(only for WebLogic Portal 10.0 and Later MPs\).](#)

- [Download and Install WebLogic Portal 10.0 and Later MPs on HP-UX 11i v2 on Itanium \(32 Bits\)](#)
- [Download and Install WebLogic Portal 10.0 and Later MPs on HP-UX 11i v2 on Itanium \(64 Bits\)](#)

Download and Install WebLogic 10.0 and Later MPs on HP-UX 11i v2 on PA-RISC

To install WebLogic Server on HP-UX PA-RISC:

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 “HP-UX PA-RISC (32-bit)”.
- Select media pack “BEA WebLogic Media for HP-UX PA-RISC (32-bit)>”
- 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 HP-UX JDK 5.0 for HP-UX 11i v2 on Itanium (32 bit)

Complete the following procedure:

1. Go to the HP download site:

- http://www.hp.com/products1/unix/java/java2/jdkjre5_0/

2. Download and install HP-UX JDK 5.0 for your configuration.
3. Set the `JAVA_HOME` environment variable to the directory in which HP JDK is installed, and export `JAVA_HOME`. For example:

```
export JAVA_HOME=/opt/java1.5
```

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

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

Download and Install HP-UX JDK 5.0 for HP-UX 11i v2 on Itanium (64 bit)

Complete the following procedure:

1. Download and install HP-UX JDK 5.0 using the following instructions: [Download and Install HP-UX JDK 5.0 for HP-UX 11i v2 on Itanium \(32 bit\)](#).
2. Use the `-d64` option to invoke 64 bit Hotspot server. For example:

```
$java -d64 version
```

should show, depending on your JDK, a string similar to:

```
java version "1.5.0.06" Java(TM) 2 Runtime Environment, Standard Edition
(build 1.5.0.06-_12_jan_2007_03_27) Java HotSpot(TM) 64-Bit Server VM
(build 1.5.0.06 jinteg:01.12.07-10:56 IA64W, mixed mode)
```

Download and Install WebLogic Server 10.0 and Later MPs on HP-UX 11i v2 on Itanium (32 Bit)

Complete the following procedure:

To install WebLogic Server on HP-UX 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 “HP-UX Itanium”.
- Select media pack “BEA WebLogic Media for HP-UX 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.

3. Set the `WL_HOME` variable to the directory in which you installed your product, and export `WL_HOME`. For example:

```
$ export WL_HOME=<your_installation_directory>/wlserver_10.0
cd $WL_HOME/server/native/hpux11/
```

4. Set the following execution modes on the contents of the `$WL_HOME/server/native` directory:

```
$ chmod -R +x $WL_HOME/server/native/hpux11/*
```

For more information on installing WebLogic Server, refer to the WebLogic Server 10.0 Installation Guide at <http://edocs.bea.com/common/docs100/install/index.html>.

Download and Install WebLogic Server 10.0 and Later MPs on HP-UX 11i v2 on Itanium (64 Bit)

Complete the following procedure:

1. Download and install WebLogic Server 10.0 using the instructions at: [Download and Install WebLogic Server 10.0 and Later MPs on HP-UX 11i v2 on Itanium \(32 Bit\)](#)
2. Update the `SHLIB_PATH` variable to point to `IPF64` directory under:

```
WL_HOME/server/native/hpux11/IPF64
```

In the file `$WL_HOME/common/bin/commEnv.sh` file, replace all occurrences of `WL_HOME/server/native/hpux11/IPF32` with `WL_HOME/server/native/hpux11/IPF64`.

Download HP-UX Libraries Required for HP-UX 11i v2 on Itanium (only for WebLogic Portal 10.0 and Later MPs).

Complete the following procedure:

1. Go to the Web site

<http://gatekeep.cs.utah.edu/hppd/hpux/Misc/zlib-1.2.3/>

2. Use the search button to find the following libraries:

- libiconv-1.11-hppa-11.23.depot (Hint: Search with token: libiconv-1.11)
- libxml2-2.6.26-hppa-11.23.depot (Hint: Search with token: libxml2-2.6.26)
- libxslt-1.1.17-hppa-11.23.depot (Hint: Search with token: libxslt-1.1.17)
- zlib-1.2.3-hppa-11.23.depot (Hint: Search with token: zlib-1.2.3)

3. Download and install the libraries before proceeding to install WebLogic Portal 10.0.

Download and Install WebLogic Portal 10.0 and Later MPs on HP-UX 11i v2 on Itanium (32 Bits)

Complete the following procedure:

1. Go to [Oracle Technology Network](#) or [Oracle E-Delivery](#) and download WebLogic Portal for HP-UX Itanium (32-bit).

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 <http://e-docs.bea.com/common/docs100/install/start.html>. This section describes the process of installing .jar files in the Graphical mode.
3. Set the WL_HOME variable to the directory in which you installed your product, and export WL_HOME. For example:


```
$ export WL_HOME=<your_installation_directory>/wlserver_10.0
```
4. `cd $WL_HOME/server/native/hpux11/`

5. Set the following execution modes on the contents of the `$WL_HOME/server/native` directory:

```
$ chmod -R +x $WL_HOME/server/native/hpux11/*
```

Download and Install WebLogic Portal 10.0 and Later MPs on HP-UX 11i v2 on Itanium (64 Bits)

Complete the following procedure:

1. Download and install WebLogic Portal 10.0 using the instructions at: [Download and Install WebLogic Portal 10.0 and Later MPs on HP-UX 11i v2 on Itanium \(32 Bits\)](#)
2. Update the `SHLIB_PATH` variable to point to `IPF64` directory under:

```
WL_HOME/server/native/hpux11/IPF64
```

In the file `$WL_HOME/common/bin/commEnv.sh` file, replace all occurrences of `WL_HOME/server/native/hpux11/IPF32` with `WL_HOME/server/native/hpux11/IPF64`.

For more information on installing WebLogic Server, refer to the WebLogic Portal 10.0 Installation Guide: <http://edocs.bea.com/common/docs100/install/index.html>.

Recommended Kernel Parameter Settings

- Oracle recommends that you set the `maxdsiz` kernel parameter to a minimum value of 2 GB.
- On HP-UX 11 systems, the default value for maximum threads per process is 64. This value may be too low for WebLogic Server and many Java server applications: WebLogic Server may have problems starting up. Therefore, Oracle recommends that you use the maximum kernel setting for the `max_thread_proc` parameter: 1024.
- Oracle recommends that you set all the parameters listed in the following table to the “New Value” specified for each.

Parameter	Recommended Value	Description
<code>max_thread_proc</code>	1024	Maximum threads per process
<code>maxfiles</code>	256	Soft file limit per process

Recommended Kernel Parameter Settings

Parameter	Recommended Value	Description
nkthread	3635	Number of threads total on the system
nproc	2068	Maximum number of processes

WebLogic Platform 10.0 on HP-UX 11i v2

WebLogic Platform 10.0 on HP-UX 11i

This section provides the following information:

- [Related Information](#)
- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Install Instructions](#)
- [Recommended Kernel Parameter Settings](#)

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 HP-UX 11i, see the following HP Web site: <http://www.hp.com>.

Configuration Requirements

Table 6-1 Requirements for HP-UX 11i on PA-RISC

Operating System Version and Patches	HP-UX 11i with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	PA-RISC (240 MHz)
JDK	<ul style="list-style-type: none"> 10.0: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.04 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX 10.0 MP1: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.08 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/PA_RISC/libmuxer.sl</code>
Product Support	<ul style="list-style-type: none"> WebLogic Server 10.0 MP1 WebLogic Portal 10.0 MP1 Workshop for WebLogic 10.0 MP1 (Runtime) Workshop 10.1 (Runtime)

Known Issues

Known Issues Pertaining to HP-UX JDK

If you are using releases of HP-UX JDK 5.0.04, HP-UX JDK 5.0.05, and HP-UX JDK 5.0.06, you may experience an out-of-memory error. Oracle recommends upgrading to the latest JDK version. See <http://www.hp.com/go/java>.

Increase MaxPermSize

You may need to increase the `MaxPermSize` parameter based on application requirements. For example: For the WebLogic Portal Groupsbase sample, you may need to increase the `MaxPermSize` from 128MB to 256MB.

Serial Version UID Mismatch

A Serial Version UID Mismatch Issue is encountered if you deploy an application on a latest JVM, but built with Sun JDK 1.5.0_06 or HP JDK 1.5.0.4 equivalent

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"
```

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.

Unable to Start WebLogic Server While Logged in as root

If you start or install WebLogic Server while logged in as root, while using the JDK, the server may fail to start and throw a `java.security.ProviderException`. If this happens, complete the following procedure:

- a. In a text editor, open the `java.security` file in the directory `JAVA_HOME/jre/lib/security`, where `JAVA_HOME` represents your JDK installation directory.
- b. Find the `securerandom.source=file:/dev/urandom` entry. Change it to:
`securerandom.source=file:/dev/random`
- c. Save the `java.security` file with your changes and close it.
- d. While still logged in as root, restart WebLogic Server.

Known Issues for 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	<i>WebLogic Server Known and Resolved Issues:</i> http://e-docs.bea.com/wls/docs100/issues/known_resolved.html
Installation and Configuration	<i>Products Installation and Configuration Release Notes:</i> http://e-docs.bea.com/common/docs100/relnotes/relnotes.html
WebLogic Portal	<i>WebLogic Portal Release Notes:</i> http://e-docs.bea.com/wlp/docs100/relnotes/index.html
Workshop for WebLogic	<i>Workshop for WebLogic Release Notes:</i> http://e-docs.bea.com/wlw/docs100/relnotes/index.html
Workshop for WebLogic 10.1	<i>Workshop for WebLogic 10.1 Release Notes:</i> http://e-docs.bea.com/wlw/docs101/relnotes/index.html

Download and Install Instructions

There are no special installation instructions for WebLogic Platform 10.0 on HP-UX 11i on PA-RISC. For the standard method of installing products, see *Products Installation Guide*.

Recommended Kernel Parameter Settings

- Oracle recommends that you set the `maxdsiz` kernel parameter to a minimum value of 2 GB.
- On HP-UX 11 systems, the default value for maximum threads per process is 64. This value may be too low for WebLogic Server and many Java server applications: WebLogic Server may have problems starting up. Therefore, Oracle recommends that you use the maximum kernel setting for the `max_thread_proc` parameter: 1024.
- Oracle recommends that you set all the parameters to the values shown in the following table.

Recommended Kernel Parameter Settings

Parameter	Recommended Value	Description
<code>max_thread_proc</code>	1024	Maximum threads per process
<code>maxfiles</code>	256	Soft file limit per process
<code>nkthread</code>	3635	Number of threads total on the system
<code>nproc</code>	2068	Maximum number of processes

WebLogic Platform 10.0 on HP-UX 11i

WebLogic Platform 9.2 and AquaLogic Service Bus on HP-UX 11i v3

This section provides the following information:

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

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 HP-UX 11i v3, see the following HP Web site:
<http://www.hp.com>.

Configuration Requirements

- [Requirements for HP-UX 11i v3 on PA-RISC](#)
- [Requirements for HP-UX 11i v3 on Itanium \(32-bit JVM\)](#)

Table 7-1 Requirements for HP-UX 11i v3 on PA-RISC

Operating System Version and Patches	HP-UX 11i v3 (HP-UX 11.31) with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	PA-RISC (240 MHz)
JDK	<ul style="list-style-type: none"> 9.2 MP2: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.07 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX 9.2 MP3: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.11 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX 9.2 MP4: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.11 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.19+ service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/PA_RISC/libmuxer.sl</code>
Product Support	<ul style="list-style-type: none"> 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 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	<ul style="list-style-type: none"> Workshop for WebLogic Platform 9.2 MP2 and later MPs: Not Supported Integration IDE for WebLogic Platform 9.2 MP2 and later MPs: Not Supported AquaLogic Service Bus 2.5 and AquaLogic Service Bus 2.6 Data Transformation Tools: Not supported

Table 7-2 Requirements for HP-UX 11i v3 on Itanium (32-bit JVM)

Operating System Version and Patches	HP-UX 11i v3 (HP-UX 11.31) with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html
Chip Architecture and Minimum Processor Speed	HP Itanium (1.5 GHz)
JDK	<ul style="list-style-type: none"> • 9.2: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.03 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 9.2 MP1: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.04 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 9.2 MP2: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.07 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 9.2 MP3: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.11 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 9.2 MP4: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.19+ with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/IPF32/libmuser.so</code>

Table 7-2 Requirements for HP-UX 11i v3 on Itanium (32-bit JVM)

Product Support	<ul style="list-style-type: none">• 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 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	<ul style="list-style-type: none">• Workshop for WebLogic Platform 9.2 and later MPs: Not Supported• 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

Known Issues

- [Known Issues Pertaining to HP-UX JDK](#)
- [Known Issues Pertaining to HP-UX 11i v3 on Itanium](#)
- [Serial Version UID Mismatch](#)
- [Increase MaxPermSize](#)
- [Known Issues for Other Products](#)

Known Issues Pertaining to HP-UX JDK

If you are using releases of HP-UX JDK 5.0.04, HP-UX JDK 5.0.05, and HP-UX JDK 5.0.06, you may experience an out-of-memory error. Oracle recommends upgrading to the latest JDK version. See <http://www.hp.com/go/java>.

Known Issues Pertaining to HP-UX 11i v3 on Itanium

Working with Large Objects via RMI over IIOP

If your application involves working with very large objects via RMI over IIOP, you might encounter the following exception:

```
java.rmi.MarshalException: ; nested exception is: org.omg.CORBA.MARSHAL:  
vmcid: 0x0 minor code: 0 completed:
```

Workaround: Increase the size of the JVM thread stack using the `-xss` option on the command line. By default, the stack is set to 512 KB; modify it depending on the size of the object in question.

Configure JDBC Data Sources Window Not Displayed Properly

When creating or upgrading WebLogic Server domains in the console mode, the Configure JDBC Data Sources window does not display correctly.

Workaround: Use the GUI mode or silent mode to create or upgrade a WebLogic Server domain on this configuration.

HP Apache 2.0.55 does not load the plug-in modules correctly

1. While trying to load module `mod_wl_20.so` using Apache/2.0.55 HP-UX_Apache-based_Web_Server on HP-UX 11.23 on Itanium, you may encounter the following error:

```
Unsatisfied code symbol '_Unwind_Resume' in load module
```

Workaround: Add the following code

```
LoadFile /usr/lib/hpux64/libunwind.so
```

before the LoadModule code:

```
LoadModule weblogic_module <Path for mod_wl_20.so>
```

in `$APACHE_HOME/conf/httpd.conf` file, where `APACHE_HOME` points to your Apache installation.

2. While trying to load module `mod_wl128_20.so` using Apache/2.0.55 HP-UX_Apache-based_Web_Server on HP-UX 11.23 on Itanium, you may encounter the following errors:

```
Unsatisfied code symbol '__cxa_personality_routine' in load module.
```

```
Unsatisfied data symbol '_ZTVN10__cxxabiv119__pointer_type_infoE' in load module
```

```
Unsatisfied data symbol '_ZTVN10__cxxabiv117__class_type_infoE' in load module
```

Workaround: Add the following two lines of code

```
LoadFile /usr/lib/hpux64/libunwind.so
```

```
LoadFile /usr/lib/hpux64/libCsup.so.1
```

before the LoadModule code:

```
LoadModule weblogic_module <Path for mod_wl128_20.so>
```

in `$APACHE_HOME/conf/httpd.conf` file, where `APACHE_HOME` points to your Apache installation.

Serial Version UID Mismatch

A serial version UID mismatch is encountered when using WebLogic Server 9.2 with HP-UX Java 5 (JDK 1.5.0.03 and higher).

Workaround: Modify the `<BEA_HOME>/Weblogic92/common/bin/commEnv.sh` file to include the following command:

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

Alternatively, you can use the command line option:

```
export JAVA_OPTIONS="$JAVA_OPTIONS -Dcom.sun.xml.namespace.QName.useCompatibleSerialVersionUID=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.

Increase MaxPermSize

You may need to increase the `MaxPermSize` parameter based on application requirements. For example: For the WebLogic Portal Groupspace sample, you may need to increase the `MaxPermSize` from 128MB to 256MB.

Unable to Start WebLogic Server While Logged in as root

If you start or install WebLogic Server while logged in as root, while using the JDK, the server may fail to start and throw a `java.security.ProviderException`. If this happens, complete the following procedure:

- a. In a text editor, open the `java.security` file in the directory `JAVA_HOME/jre/lib/security`, where `JAVA_HOME` represents your JDK installation directory.
- b. Find the `securerandom.source=file:/dev/urandom` entry. Change it to:
`securerandom.source=file:/dev/random`
- c. Save the `java.security` file with your changes and close it.

- d. While still logged in as root, restart WebLogic Server.

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

Download and Installation Instructions

- [Download and Installation Instructions for Use with HP-UX 11i v3 on Itanium](#)

Download and Installation Instructions for Use with HP-UX 11i v3 on Itanium

This section includes the following procedures:

- [Downloading and Installing the HP-UX JDK 5.0 for HP-UX 11i v3 on Itanium](#)

- [Downloading and Installing WebLogic Server 9.2 Maintenance Packs on HP-UX 11i v3 on Itanium](#)
- [Downloading HP-UX Libraries Required for HP-UX 11i v3 on Itanium \(only for WebLogic Portal 9.2 and Later MPs\)](#).
- [Downloading and Installing WebLogic Portal 9.2 and Later MPs on HP-UX 11i v3 on Itanium](#)
- [Downloading and Installing WebLogic Integration 9.2 MP1 and Later MPs on HP-UX 11i v3 on Itanium](#)
- [Downloading and Installing AquaLogic Service Bus on HP-UX 11i v3 on Itanium](#)

Downloading and Installing the HP-UX JDK 5.0 for HP-UX 11i v3 on Itanium

Complete the following procedure:

1. Go to the HP download site:
 - http://www.hp.com/products1/unix/java/java2/jdkjre5_0/
2. Download and install HP-UX JDK 5.0 for your configuration.
3. Set the `JAVA_HOME` environment variable to the directory in which HP JDK is installed, and export `JAVA_HOME`. For example:

```
export JAVA_HOME=/opt/java1.5
```
4. Make sure that your `PATH` variable includes `$JAVA_HOME/bin`. For example:

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

Downloading and Installing WebLogic Server 9.2 Maintenance Packs on HP-UX 11i v3 on Itanium

Complete the following procedure:

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*.
3. Set the WL_HOME variable to the directory in which you installed your product, and export WL_HOME. For example:

```
$ export WL_HOME=<your_installation_directory>/weblogic92
cd $WL_HOME/server/native/hpux11/IPF32/
```

4. Set the following execution modes on the contents of the \$WL_HOME/server/native directory:

```
$ chmod -R +x $WL_HOME/server/native/hpux11/*
```

For more information on installing WebLogic Server, refer to the WebLogic Server 9.2 Installation Guide: <http://edocs.bea.com/common/docs92/install/index.html>.

Downloading HP-UX Libraries Required for HP-UX 11i v3 on Itanium (only for WebLogic Portal 9.2 and Later MPs).

Complete the following procedure:

1. Go to the Web site

<http://gatekeep.cs.utah.edu/hppd/hpux/Misc/zlib-1.2.3/>

2. Use the search button to find the following libraries:

- libiconv-1.11-hppa-11.23.depot (Hint: Search with token: libiconv-1.11)
 - libxml2-2.6.26-hppa-11.23.depot (Hint: Search with token: libxml2-2.6.26)
 - libxslt-1.1.17-hppa-11.23.depot (Hint: Search with token: libxslt-1.1.17)
 - zlib-1.2.3-hppa-11.23.depot (Hint: Search with token: zlib-1.2.3)
3. Download and install the libraries before proceeding to install WebLogic Portal 9.2 and later MPs.

Downloading and Installing WebLogic Portal 9.2 and Later MPs on HP-UX 11i v3 on Itanium

Complete the following procedure:

1. Go to [Oracle Technology Network](#) or [Oracle E-Delivery](#) and download WebLogic Portal for HP-UX Itanium.

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 <http://e-docs.bea.com/common/docs92/install/start.html>. This section describes the process of installing .jar files in the Graphical mode.

3. Set the WL_HOME variable to the directory in which you installed your product, and export WL_HOME. For example:

```
$ export WL_HOME=<your_installation_directory>/weblogic92
```

4. cd \$WL_HOME/server/native/hpux11/IPF32/

5. Set the following execution modes on the contents of the \$WL_HOME/server/native directory:

```
$ chmod -R +x $WL_HOME/server/native/hpux11/*
```

For more information on installing WebLogic Portal, refer to the *Installation Guide*:
<http://edocs.bea.com/common/docs92/install/index.html>.

Downloading and Installing WebLogic Integration 9.2 MP1 and Later MPs on HP-UX 11i v3 on Itanium

Complete the following procedure:

1. Go to [Oracle Technology Network](#) or [Oracle E-Delivery](#) and download WebLogic Integration for HP-UX Itanium.

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 Integration using the instructions in <http://e-docs.bea.com/common/docs92/install/start.html>. This section describes the process of installing .jar files in the Graphical mode.
3. Set the WL_HOME variable to the directory in which you installed your product, and export WL_HOME. For example:

```
$ export WL_HOME=<your_installation_directory>/weblogic92
```

4. cd \$WL_HOME/server/native/hpux11/IPF32/
5. Set the following execution modes on the contents of the \$WL_HOME/server/native directory:

```
$ chmod -R +x $WL_HOME/server/native/hpux11/*
```

For more information on installing WebLogic Integration, refer to the *Installation Guide*:
<http://edocs.bea.com/common/docs92/install/index.html>.

Downloading and Installing AquaLogic Service Bus on HP-UX 11i v3 on Itanium

Complete the following procedure:

1. Go to [Oracle Technology Network](#) or [Oracle E-Delivery](#) and download AquaLogic Service Bus for HP-UX Itanium.

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 using the following instructions:

- For AquaLogic Service Bus 2.5, see <http://edocs.bea.com/alsb/docs25/install/guimode.html>
- For AquaLogic Service Bus 2.6, see <http://edocs.bea.com/alsb/docs26/install/guimode.html>

3. Set the WL_HOME variable to the directory in which you installed your product, and export WL_HOME. For example:

```
$ export WL_HOME=<your_installation_directory>/weblogic92
cd $WL_HOME/server/native/hpux11/IPF32/
```

4. Set the following execution modes on the contents of the \$WL_HOME/server/native directory:

```
$ chmod -R +x $WL_HOME/server/native/hpux11/*
```

WebLogic Platform 9.2 and AquaLogic Service Bus on HP-UX 11i v2

This section provides the following information:

- [Related Information](#)
- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Installation Instructions](#)
- [Recommended Kernel Parameter Settings](#)

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 HP-UX 11i v2, see the following HP Web site:
<http://www.hp.com>.

Configuration Requirements

- [Requirements for HP-UX 11i v2 on PA-RISC](#)

- [Requirements for HP-UX 11i v2 on Itanium \(32-bit JVM\)](#)

Table 8-1 Requirements for HP-UX 11i v2 on PA-RISC

Operating System Version and Patches	HP-UX 11i v2 (HP-UX 11.23) with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	PA-RISC (240 MHz)
JDK	<ul style="list-style-type: none"> • 9.2: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.03 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 9.2 MP1: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.04 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 9.2 MP2: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.07 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 9.2 MP3: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.11 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 9.2 MP4: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.11 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.19+ service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/PA_RISC/libmuxer.sl</code>

Table 8-1 Requirements for HP-UX 11i v2 on PA-RISC

Product Support	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Workshop for WebLogic Platform 9.2 and later MPs: Not Supported • 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 HP-UX 11i v2 on Itanium (32-bit JVM)

Operating System Version and Patches	<p>HP-UX 11i v2 (HP-UX 11.23) with HP-UX patches for Java™</p> <p>See http://www.hp.com/products1/unix/java/patches/index.html.</p>
Chip Architecture and Minimum Processor Speed	<p>HP Itanium (1.5 GHz)</p>
JDK	<ul style="list-style-type: none"> • 9.2: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.03 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 9.2 MP1: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.04 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 9.2 MP2: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.07 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 9.2 MP3: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.11 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX • 9.2 MP4: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.19+ with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX

Table 8-2 Requirements for HP-UX 11i v2 on Itanium (32-bit JVM)

RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/IPF32/libmuxer.so</code>
Product Support	<ul style="list-style-type: none">• 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 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	<ul style="list-style-type: none">• Workshop for WebLogic Platform 9.2 and later MPs: Not Supported• 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

Known Issues

- [Known Issues Pertaining to HP-UX JDK](#)
- [Known Issues Pertaining to HP-UX 11i v2 on Itanium](#)
- [Serial Version UID Mismatch](#)
- [Increase MaxPermSize](#)
- [Known Issues for Other Products](#)

Known Issues Pertaining to HP-UX JDK

If you are using releases of HP-UX JDK 5.0.04, HP-UX JDK 5.0.05, and HP-UX JDK 5.0.06, you may experience an out-of-memory error. Oracle recommends upgrading to the latest JDK version. See

<http://www.hp.com/go/java>.

Known Issues Pertaining to HP-UX 11i v2 on Itanium

Working with Large Objects via RMI over IIOP

If your application involves working with very large objects via RMI over IIOP, you might encounter the following exception:

```
java.rmi.MarshalException: ; nested exception is: org.omg.CORBA.MARSHAL:  
vmcid: 0x0 minor code: 0 completed:
```

Workaround: Increase the size of the JVM thread stack using the `-xss` option on the command line. By default, the stack is set to 512 KB; modify it depending on the size of the object in question.

Configure JDBC Data Sources Window Not Displayed Properly

When creating or upgrading WebLogic Server domains in the console mode, the Configure JDBC Data Sources window does not display correctly.

Workaround: Use the GUI mode or silent mode to create or upgrade a WebLogic Server domain on this configuration.

Unable to Start WebLogic Server While Logged in as root

If you start or install WebLogic Server while logged in as root, while using the JDK, the server may fail to start and throw a `java.security.ProviderException`. If this happens, complete the following procedure:

- a. In a text editor, open the `java.security` file in the directory `JAVA_HOME/jre/lib/security`, where `JAVA_HOME` represents your JDK installation directory.
- b. Find the `securerandom.source=file:/dev/urandom` entry. Change it to:
`securerandom.source=file:/dev/random`
- c. Save the `java.security` file with your changes and close it.
- d. While still logged in as root, restart WebLogic Server.

HP Apache 2.0.55 does not load the plug-in modules correctly

1. While trying to load module `mod_wl_20.so` using Apache/2.0.55 HP-UX_Apache-based_Web_Server on HP-UX 11.23 on Itanium, you may encounter the following error:

```
Unsatisfied code symbol '_Unwind_Resume' in load module
```

Workaround: Add the following code

```
LoadFile /usr/lib/hpux64/libunwind.so
```

before the `LoadModule` code:

```
LoadModule weblogic_module <Path for mod_wl_20.so>
```

in `$APACHE_HOME/conf/httpd.conf` file, where `APACHE_HOME` points to your Apache installation.

2. While trying to load module `mod_wl128_20.so` using Apache/2.0.55 HP-UX_Apache-based_Web_Server on HP-UX 11.23 on Itanium, you may encounter the following errors:

```
Unsatisfied code symbol '__cxa_personality_routine' in load module.
```

```
Unsatisfied data symbol '_ZTVN10__cxxabiv119__pointer_type_infoE' in load module
```

```
Unsatisfied data symbol '_ZTVN10__cxxabiv117__class_type_infoE' in load module
```

Workaround: Add the following two lines of code

```
LoadFile /usr/lib/hpux64/libunwind.so
```

```
LoadFile /usr/lib/hpux64/libCsup.so.1
```

before the `LoadModule` code:

```
LoadModule weblogic_module <Path for mod_wl128_20.so>
```

in `$APACHE_HOME/conf/httpd.conf` file, where `APACHE_HOME` points to your Apache installation.

Serial Version UID Mismatch

A serial version UID mismatch is encountered when using WebLogic Server 9.2 with HP-UX Java 5 (JDK 1.5.0.03 and higher).

Workaround: 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"
```

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.

Increase MaxPermSize

You may need to increase the `MaxPermSize` parameter based on application requirements. For example: For the WebLogic Portal Groupspace sample, you may need to increase the `MaxPermSize` from 128MB to 256MB.

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

Download and Installation Instructions

- [Download and Installation Instructions for Use with HP-UX 11i v2 on PA-RISC](#)
- [Download and Installation Instructions for Use with HP-UX 11i v2 on Itanium](#)

Download and Installation Instructions for Use with HP-UX 11i v2 on PA-RISC

This section describe the steps required to download libraries required for WebLogic Platform 9.2 on HP-UX 11i v2 on PA-RISC. For the standard method of installing products, see [Products Installation Guide](#).

Downloading HP-UX Libraries Required for HP-UX 11i v2 on PA-RISC

Complete the following procedure:

1. Go to the Web site:

<http://gatekeep.cs.utah.edu/hppd/hpux/Misc/zlib-1.2.3/>

2. Use the search button to find the following libraries:

- libiconv-1.10-hppa-11.23.depot
- libxml2-2.6.23-hppa-11.23.depot
- libxslt-1.1.15-hppa-11.23.depot
- zlib-1.2.3-hppa-11.23.depot

3. Download the libraries before proceeding to install products.

Download and Installation Instructions for Use with HP-UX 11i v2 on Itanium

This section includes the following procedures:

- [Downloading and Installing the HP-UX JDK 5.0 for HP-UX 11i v2 on Itanium](#)
- [Downloading and Installing WebLogic Server 9.2 Maintenance Packs on HP-UX 11i V2 on Itanium](#)
- [Downloading HP-UX Libraries Required for HP-UX 11i v2 on Itanium \(only for WebLogic Portal 9.2 and Later MPs\)](#).

- [Downloading and Installing WebLogic Portal 9.2 and Later MPs on HP-UX 11i V2 on Itanium](#)
- [Downloading and Installing WebLogic Integration 9.2 MP1 and Later MPs on HP-UX 11i V2 on Itanium](#)
- [Downloading and Installing AquaLogic Service Bus on HP-UX 11i V2 on Itanium](#)

Downloading and Installing the HP-UX JDK 5.0 for HP-UX 11i v2 on Itanium

Complete the following procedure:

1. Go to the HP download site:
 - http://www.hp.com/products1/unix/java/java2/jdkjre5_0/
2. Download and install HP-UX JDK 5.0 for your configuration.
3. Set the `JAVA_HOME` environment variable to the directory in which HP JDK is installed, and export `JAVA_HOME`. For example:


```
export JAVA_HOME=/opt/java1.5
```
4. Make sure that your `PATH` variable includes `$JAVA_HOME/bin`. For example:


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

Downloading and Installing WebLogic Server 9.2 Maintenance Packs on HP-UX 11i V2 on Itanium

Complete the following procedure:

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/>

2. Install WebLogic Server using the instructions in <http://e-docs.bea.com/common/docs92/install/start.html>. This section describes the process of installing .jar files in the Graphical mode.
3. Set the WL_HOME variable to the directory in which you installed your product, and export WL_HOME. For example:

```
$ export WL_HOME=<your_installation_directory>/weblogic92  
cd $WL_HOME/server/native/hpux11/IPF32/
```

4. Set the following execution modes on the contents of the \$WL_HOME/server/native directory:

```
$ chmod -R +x $WL_HOME/server/native/hpux11/*
```

For more information on installing WebLogic Server, refer to the WebLogic Server 9.2 Installation Guide: <http://edocs.bea.com/common/docs92/install/index.html>.

Downloading HP-UX Libraries Required for HP-UX 11i v2 on Itanium (only for WebLogic Portal 9.2 and Later MPs).

Complete the following procedure:

1. Go to the Web site
<http://gatekeep.cs.utah.edu/hppd/hpux/Misc/zlib-1.2.3/>
2. Use the search button to find the following libraries:
 - libiconv-1.10-hppa-11.23.depot (Hint: Search with token: libiconv-1.10)
 - libxml2-2.6.26-hppa-11.23.depot (Hint: Search with token: libxml2-2.6.26)
 - libxslt-1.1.17-hppa-11.23.depot (Hint: Search with token: libxslt-1.1.17)
 - zlib-1.2.3-hppa-11.23.depot (Hint: Search with token: zlib-1.2.3)
3. Download and install the libraries before proceeding to install WebLogic Portal 9.2 and later MPs.

Downloading and Installing WebLogic Portal 9.2 and Later MPs on HP-UX 11i V2 on Itanium

Complete the following procedure:

1. Go to [Oracle Technology Network](#) or [Oracle E-Delivery](#) and download WebLogic Portal for HP-UX Itanium.

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 Portal using the instructions in <http://e-docs.bea.com/common/docs92/install/start.html>. This section describes the process of installing .jar files in the Graphical mode.
3. Set the WL_HOME variable to the directory in which you installed your product, and export WL_HOME. For example:

```
$ export WL_HOME=<your_installation_directory>/weblogic92
```

4. cd \$WL_HOME/server/native/hpux11/IPF32/

5. Set the following execution modes on the contents of the \$WL_HOME/server/native directory:

```
$ chmod -R +x $WL_HOME/server/native/hpux11/*
```

For more information on installing WebLogic Portal, refer to the *Installation Guide*: <http://edocs.bea.com/common/docs92/install/index.html>.

Downloading and Installing WebLogic Integration 9.2 MP1 and Later MPs on HP-UX 11i V2 on Itanium

Complete the following procedure:

1. Go to [Oracle Technology Network](#) or [Oracle E-Delivery](#) and download WebLogic Integration for HP-UX Itanium.

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 Integration using the instructions in <http://e-docs.bea.com/common/docs92/install/start.html>. This section describes the process of installing .jar files in the Graphical mode.

3. Set the WL_HOME variable to the directory in which you installed your product, and export WL_HOME. For example:

```
$ export WL_HOME=<your_installation_directory>/weblogic92
```

4. cd \$WL_HOME/server/native/hpux11/IPF32/

5. Set the following execution modes on the contents of the \$WL_HOME/server/native directory:

```
$ chmod -R +x $WL_HOME/server/native/hpux11/*
```

For more information on installing WebLogic Integration, refer to the *Installation Guide*: <http://edocs.bea.com/common/docs92/install/index.html>.

Downloading and Installing AquaLogic Service Bus on HP-UX 11i V2 on Itanium

Complete the following procedure:

1. Go to [Oracle Technology Network](#) or [Oracle E-Delivery](#) and download AquaLogic Service Bus for HP-UX Itanium.

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 using the following instructions:

- For AquaLogic Service Bus 2.5, see <http://edocs.bea.com/alsb/docs25/install/guimode.html>

- For Aqualogic Service Bus 2.6, see <http://edocs.bea.com/alsb/docs26/install/guimode.html>
3. Set the WL_HOME variable to the directory in which you installed your product, and export WL_HOME. For example:

```
$ export WL_HOME=<your_installation_directory>/weblogic92
cd $WL_HOME/server/native/hpux11/IPF32/
```

4. Set the following execution modes on the contents of the \$WL_HOME/server/native directory:

```
$ chmod -R +x $WL_HOME/server/native/hpux11/*
```

Recommended Kernel Parameter Settings

- Oracle recommends that you set the `maxdsiz` kernel parameter to a minimum value of 2 GB.
- On HP-UX 11 systems, the default value for maximum threads per process is 64. This value may be too low for WebLogic Server and many Java server applications: WebLogic Server may have problems starting up. Therefore, Oracle recommends that you use the maximum kernel setting for the `max_thread_proc` parameter: 1024.
- Oracle recommends that you set all the parameters listed in the following table to the “New Value” specified for each.

Parameter	Recommended Value	Description
<code>max_thread_proc</code>	1024	Maximum threads per process
<code>maxfiles</code>	256	Soft file limit per process
<code>nkthread</code>	3635	Number of threads total on the system
<code>nproc</code>	2068	Maximum number of processes

WebLogic Platform 9.2 and AquaLogic Service Bus on HP-UX 11i v2

WebLogic Platform 9.2, and AquaLogic Service Bus on HP-UX 11i

This section provides the following information:

- [Related Information](#)
- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Install Instructions](#)
- [Recommended Kernel Parameter Settings](#)

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 HP-UX 11i, see the following HP Web site: <http://www.hp.com>.

Configuration Requirements

Table 9-1 Requirements for HP-UX 11i on PA-RISC

Operating System Version and Patches	HP-UX 11i with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	PA-RISC (240 MHz)
JDK	<ul style="list-style-type: none"> 9.2: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.03 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX 9.2 MP1: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.04 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX 9.2 MP2: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.07 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX 9.2 MP3: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.11HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.* service packs for development and production deployment on HP-UX 9.2 MP4: HP-UX JDK for the Java 2 Standard Edition platform version 5.0.11 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.19+ service packs for development and production deployment on HP-UX
RAM	1 GB minimum, 2 GB recommended
Performance Pack	<code>server/native/hpux11/PA_RISC/libmuxer.sl</code>

Table 9-1 Requirements for HP-UX 11i on PA-RISC

Product Support	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Workshop for WebLogic Platform 9.2 and later MPs: Not Supported • 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

Known Issues

Known Issues Pertaining to HP-UX JDK

If you are using releases of HP-UX JDK 5.0.04, HP-UX JDK 5.0.05, and HP-UX JDK 5.0.06, you may experience an out-of-memory error. Oracle recommends upgrading to the latest JDK version. See <http://www.hp.com/go/java>.

Increase MaxPermSize

You may need to increase the `MaxPermSize` parameter based on application requirements. For example: For the WebLogic Portal Groupspace sample, you may need to increase the `MaxPermSize` from 128MB to 256MB.

Serial Version UID Mismatch

A serial version UID mismatch is encountered when using Weblogic Server with HP-UX Java 5 (JDK 1.5.0.03 and higher).

Workaround: 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"
```

Alternatively, you can use the command line option:

```
export JAVA_OPTIONS="$JAVA_OPTIONS -Dcom.sun.xml.namespace.QName.useCompatibleSerialVersionUID=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.

Unable to Start WebLogic Server While Logged in as root

If you start or install WebLogic Server while logged in as root, while using the JDK, the server may fail to start and throw a `java.security.ProviderException`. If this happens, complete the following procedure:

- a. In a text editor, open the `java.security` file in the directory `JAVA_HOME/jre/lib/security`, where `JAVA_HOME` represents your JDK installation directory.
- b. Find the `securerandom.source=file:/dev/urandom` entry. Change it to:
`securerandom.source=file:/dev/random`
- c. Save the `java.security` file with your changes and close it.
- d. While still logged in as root, restart WebLogic Server.

Known Issues for 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	<i>AquaLogic Service Bus Release Notes:</i> http://e-docs.bea.com/alsb/docs25/relnotes/relnotes.html http://e-docs.bea.com/alsb/docs26/relnotes/relnotes.html
WebLogic Server	<i>Oracle WebLogic Server Release Notes, Release 9.2 MP4 (9.2.4):</i> Refer to Document ID 1125333.1 at https://support.oracle.com <i>Oracle WebLogic Server 9.2 Known and Resolved Issues:</i> http://edocs.bea.com/wls/docs92/issues/known_resolved.html

Issues related to...	Are described in...
Installation and Configuration	<i>Products Installation and Configuration Release Notes:</i> http://e-docs.bea.com/common/docs92/relnotes/relnotes.html
WebLogic Portal	<i>WebLogic Portal 9.2 Release Notes:</i> http://e-docs.bea.com/wlp/docs92/relnotes/index.html
WebLogic Integration	<i>WebLogic Integration 9.2 Release Notes:</i> http://e-docs.bea.com/wli/docs92/relnotes/index.html

Download and Install Instructions

There are no special installation instructions for WebLogic Platform 9.2 on HP-UX 11i on PA-RISC. For the standard method of installing products, see [Products Installation Guide](#).

Recommended Kernel Parameter Settings

- Oracle recommends that you set the `maxdsiz` kernel parameter to a minimum value of 2 GB.
- On HP-UX 11 systems, the default value for maximum threads per process is 64. This value may be too low for WebLogic Server and many Java server applications: WebLogic Server may have problems starting up. Therefore, Oracle recommends that you use the maximum kernel setting for the `max_thread_proc` parameter: 1024.
- Oracle recommends that you set all the parameters to the values shown in the following table.

Parameter	Recommended Value	Description
<code>max_thread_proc</code>	1024	Maximum threads per process
<code>maxfiles</code>	256	Soft file limit per process
<code>nkthread</code>	3635	Number of threads total on the system
<code>nproc</code>	2068	Maximum number of processes

WebLogic Platform 9.2, and AquaLogic Service Bus on HP-UX 11i

WebLogic Server 9.1 and Related Products on HP-UX 11i v2

Products Supported on this Operating System

Product	Version
AquaLogic Service Bus	2.1
WebLogic Server	9.1

This section provides the following information:

- [Related Information](#)
- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Installation Instructions for Use with HP-UX 11i v2 on Itanium](#)
- [Recommended Kernel Parameter Settings](#)

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 HP-UX 11i v2, see the following HP Web site:
<http://www.hp.com>.

Configuration Requirements

- [Requirements for HP-UX 11i v2 on PA-RISC](#)
- [Requirements for HP-UX 11i v2 on Itanium \(32-bit JVM\)](#)

Table 10-1 Requirements for HP-UX 11i v2 on PA-RISC

Operating System Version and Patches	HP-UX 11i v2 with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	PA-RISC (240 MHz)
JDK	HP-UX JDK for the Java 2 Standard Edition platform version 5.0.01 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.01 service packs for development and production deployment on HP-UX
RAM	1 GB minimum
Performance Pack	<code>server/native/hpux11/PA_RISC/libmuxer.sl</code>
Design and Development Tools	<ul style="list-style-type: none">• HP-UX 11i v2 on PA-RISC is supported for the development and production deployment of WebLogic Server applications developed with other tools.• The AquaLogic Service Bus Data Transformation Tools are not supported on this configuration.

Table 10-2 Requirements for HP-UX 11i v2 on Itanium (32-bit JVM)

Operating System Version and Patches	HP-UX 11i v2 (HP-UX 11.23)
Chip Architecture and Minimum Processor Speed	HP Itanium (1.5 GHz)
JDK	HP-UX JDK for the Java 2 Standard Edition platform version 5.0.02 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.02 service packs for development and production deployment on HP-UX
RAM	1 GB minimum
Performance Pack	<code>server/native/hpux11/IPF32/libmuxer.so</code>
Design and Development Tools	<ul style="list-style-type: none"> • HP-UX 11i v2 on Itanium is supported for the development and production deployment of WebLogic Server applications developed with other tools. • The AquaLogic Service Bus Data Transformation Tools are not supported on this configuration.

Known Issues

- [Known Issues Pertaining to HP-UX JDK](#)
- [Known Issues for HP-UX 11i v2 on Itanium](#)
- [Serial Version UID Mismatch](#)
- [Increase MaxPermSize](#)
- [Known Issues for Other Products](#)

Known Issues Pertaining to HP-UX JDK

If you are using releases of HP-UX JDK 5.0.04, HP-UX JDK 5.0.05, and HP-UX JDK 5.0.06, you may experience an out-of-memory error. Oracle recommends upgrading to the latest JDK version. See <http://www.hp.com/go/java>.

Known Issues for HP-UX 11i v2 on Itanium

Working with Large Objects via RMI over IIOP

If your application involves working with very large objects via RMI over IIOP, you might encounter the following exception:

```
java.rmi.MarshalException: ; nested exception is: org.omg.CORBA.MARSHAL:  
vmcid: 0x0 minor code: 0 completed:
```

Workaround: Increase the size of the JVM thread stack using the `-xss` option on the command line. By default, the stack is set to 512 KB; the new value depends on the size of the object in question.

Out of Memory Message Encountered During Installation

OutOfMemory error message encountered while installing AquaLogic Service Bus 2.1.

Workaround: Increase the maximum heap size using the `-xmx` option on the command line. For example:

```
$ java -xmx512m -jar alsb210_wls910_generic.jar -mode=console
```

Configure JDBC Data Sources Window Not Displayed Properly

When creating or upgrading WebLogic Server domains in the console mode, the *Configure JDBC Data Sources* window does not display correctly.

Workaround: Use the GUI mode or silent mode to create or upgrade a WebLogic Server domain on this configuration.

Serial Version UID Mismatch

A serial version UID mismatch is encountered when using WebLogic Server with HP-UX Java 5 (JDK 1.5.0.03 and higher).

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"
```

Alternatively, you can use the command line option:

```
export JAVA_OPTIONS="$JAVA_OPTIONS -Dcom.sun.xml.namespace.QName.useCompatibleSerialVersionUID=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.

Increase MaxPermSize

You may need to increase the `MaxPermSize` parameter based on application requirements. For example: For the WebLogic Portal Groupspace sample, you may need to increase the `MaxPermSize` from 128MB to 256MB.

Unable to Start WebLogic Server While Logged in as root

If you start or install WebLogic Server while logged in as root, while using the JDK, the server may fail to start and throw a `java.security.ProviderException`. If this happens, complete the following procedure:

- a. In a text editor, open the `java.security` file in the directory `JAVA_HOME/jre/lib/security`, where `JAVA_HOME` represents your JDK installation directory.
- b. Find the `securerandom.source=file:/dev/urandom` entry. Change it to:
`securerandom.source=file:/dev/random`
- c. Save the `java.security` file with your changes and close it.
- d. While still logged in as root, restart WebLogic Server.

Known Issues for 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	<i>AquaLogic Service Bus Release Notes:</i> http://e-docs.bea.com/alsb/docs21/relnotes/relnotes.html

Issues related to...	Are described in...
WebLogic Server	<i>WebLogic Server Known and Resolved Issues:</i> http://e-docs.bea.com/wls/docs91/issues/known_resolved.html
Installation and Configuration	<i>Products Installation and Configuration Release Notes:</i> http://e-docs.bea.com/common/docs91/relnotes/relnotes.html

Download and Installation Instructions for Use with HP-UX 11i v2 on Itanium

The following sections describe the steps required to download and install the following components on HP-UX 11i v2 on Itanium:

- HP-UX JDK 5.0.02 for Itanium
- Depending on your requirements:
 - WebLogic Server 9.1 package installer for HP-UX 11i v2 on Itanium
 - AquaLogic Service Bus 2.1 package installer for HP-UX 11i v2 on Itanium

Downloading and Installing the HP-UX JDK 5.0.02 for Itanium

Complete the following procedure:

1. Go to the HP Web site:

http://www.hp.com/products1/unix/java/java2/jdkjre5_0/downloads/license_jre_5.0.02_itanium.html

2. Download and install HP-UX JDK 5.0.02
3. Update the following environment variables:

- a. JAVA_HOME to reflect the SDK installation directory. For example:

```
$ export JAVA_HOME = <HP JDK5.0.02 installation dir>
```

- b. PATH to include java executables. For example:

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

Installing WebLogic Server 9.1 on HP-UX 11i v2 for Itanium

To install WebLogic Server 9.1 package installer on HP-UX 11i v2 for Itanium:

1. Go to [Oracle Technology Network](#) or [Oracle E-Delivery](#) and download WebLogic Server for HP-UX Itanium.

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 9.1 on your HP-UX 11i v2 configuration by completing the console-mode installation procedure for .jar files available at: <http://e-docs.bea.com/common/docs91/install/start.html>.

For more information on installing WebLogic Server, refer to the WebLogic Server 9.1 Online Documentation.

3. Set the WL_HOME variable to the directory in which you installed your product, and export WL_HOME. For example:

```
$ export WL_HOME=/your_installation_directory/weblogic91
```

4. Set the following execution modes on the contents of the weblogic91/server/bin and weblogic91/server/native directories:

```
$ chmod +x $WL_HOME/server/bin/*  
$ chmod -R +x $WL_HOME/server/native/hpux11/*
```

Installing AquaLogic Service Bus 2.1 on HP-UX 11i v2 for Itanium

To install the AquaLogic Service Bus™ package installer on HP-UX 11i v2 for Itanium:

1. Go to [Oracle Technology Network](#) or [Oracle E-Delivery](#) and download AquaLogic Service Bus for HP-UX Itanium.

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 on your HP-UX 11i v2 configuration by completing the console-mode installation procedure for .jar files available at: <http://e-docs.bea.com/common/docs21/install/start.html>.

3. Set the WL_HOME variable to the directory in which you installed your product, and export WL_HOME. For example:

```
$ export WL_HOME=your_installation_directory/weblogic91
```

4. Set the following execution modes on the contents of the weblogic91/server/bin and weblogic91/server/native directories:

```
$ chmod +x $WL_HOME/server/bin/*  
$ chmod -R +x $WL_HOME/server/native/hpux11/*
```

Recommended Kernel Parameter Settings

- Oracle recommends that you set the `maxdsiz` kernel parameter to a minimum value of 2 GB.
- On HP-UX 11 systems, the default value for maximum threads per process is 64. This value may be too low for WebLogic Server and many Java server applications: WebLogic Server may have problems starting up. Therefore, Oracle recommends that you use the maximum kernel setting for the `max_thread_proc` parameter: 1024.
- Oracle recommends that you set all the parameters listed in the following table to the “New Value” specified for each.

Parameter	Recommended Value	Description
<code>max_thread_proc</code>	1024	Maximum threads per process
<code>maxfiles</code>	256	Soft file limit per process
<code>nkthread</code>	3635	Number of threads total on the system
<code>nproc</code>	2068	Maximum number of processes

WebLogic Server 9.1 and Related Products on HP-UX 11i

Products Supported on this Operating System

Product	Version
AquaLogic Service Bus	2.1
WebLogic Server	9.1

This section provides the following information:

- [Related Information](#)
- [Configuration Requirements](#)
- [Known Issues](#)
- [Recommended Kernel Parameter Settings](#)

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 HP-UX 11i, see the following HP Web site: <http://www.hp.com>.

Configuration Requirements

Table 11-1 Requirements for HP-UX 11i on PA-RISC

Operating System Version and Patches	HP-UX 11i with HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	PA-RISC (240 MHz)
JDK	HP-UX JDK for the Java 2 Standard Edition platform version 5.0.01 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.01 service packs for development and production deployment on HP-UX
RAM	1 GB minimum
Performance Pack	<code>server/native/hpux11/PA_RISC/libmuxer.sl</code>
Design and Development Tools	<ul style="list-style-type: none">• HP-UX 11i on PA-RISC is supported for the development and production deployment of WebLogic Server applications developed with other tools.• The AquaLogic Service Bus Data Transformation Tools are not supported on this configuration.

Known Issues

Known Issues Pertaining to HP-UX JDK

If you are using releases of HP-UX JDK 5.0.04, HP-UX JDK 5.0.05, and HP-UX JDK 5.0.06, you may experience an out-of-memory error. Oracle recommends upgrading to the latest JDK version. See <http://www.hp.com/go/java>.

Increase MaxPermSize

You may need to increase the `MaxPermSize` parameter based on application requirements. For example: For the WebLogic Portal Groupspace sample, you may need to increase the `MaxPermSize` from 128MB to 256MB.

Serial Version UID Mismatch

A serial version UID mismatch is encountered when using WebLogic Server with HP-UX Java 5 (JDK 1.5.0.03 and higher).

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"
```

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.

Unable to Start WebLogic Server While Logged in as root

If you start or install WebLogic Server while logged in as root, while using the JDK, the server may fail to start and throw a `java.security.ProviderException`. If this happens, complete the following procedure:

- a. In a text editor, open the `java.security` file in the directory `JAVA_HOME/jre/lib/security`, where `JAVA_HOME` represents your JDK installation directory.
- b. Find the `securerandom.source=file:/dev/urandom` entry. Change it to:

```
securerandom.source=file:/dev/random
```
- c. Save the `java.security` file with your changes and close it.
- d. While still logged in as root, restart WebLogic Server.

Known Issues for 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	<i>AquaLogic Service Bus Release Notes:</i> http://e-docs.bea.com/alsb/docs21/relnotes/relnotes.html
WebLogic Server	<i>WebLogic Server Known and Resolved Issues:</i> http://e-docs.bea.com/wls/docs91/issues/known_resolved.html
Installation and configuration	<i>Products Installation and Configuration Release Notes:</i> http://e-docs.bea.com/common/docs91/relnotes/relnotes.html

Recommended Kernel Parameter Settings

- Oracle recommends that you set the `maxdsiz` kernel parameter to a minimum value of 2 GB.
- On HP-UX 11 systems, the default value for maximum threads per process is 64. This value may be too low for WebLogic Server and many Java server applications: WebLogic Server may have problems starting up. Therefore, Oracle recommends that you use the maximum kernel setting for the `max_thread_proc` parameter: 1024.
- Oracle recommends that you set all the parameters to the values shown in the following table.

Parameter	Recommended Value	Description
<code>max_thread_proc</code>	1024	Maximum threads per process
<code>maxfiles</code>	256	Soft file limit per process
<code>nkthread</code>	3635	Number of threads total on the system
<code>nproc</code>	2068	Maximum number of processes

WebLogic Server 9.0 and Related Products on HP-UX 11i v2

Products Supported on this Configuration

Product	Version
AquaLogic Service Bus™	2.0
WebLogic Server®™	9.0

This section provides the following information:

- [Related Information](#)
- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Installation Instructions](#)
- [Recommended Kernel Parameter Settings](#)

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 HP-UX 11i v2, see the following HP Web site:
<http://www.hp.com>.

Configuration Requirements

WebLogic Server 9.0 and AquaLogic Service Bus 2.0 are supported on HP-UX 11i v2 on both PA-RISC and Itanium hardware. For detailed requirements for these configurations, see the appropriate table:

- [“Requirements for HP-UX 11i v2 on PA-RISC” on page 12-2](#)
- [“Requirements for HP-UX 11i v2 on Itanium \(32-bit JVM\)” on page 12-3](#)

Table 12-1 Requirements for HP-UX 11i v2 on PA-RISC

Operating System Version and Patches	HP-UX 11i v2 with required HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	PA-RISC (240 MHz)
JDK	HP-UX JDK for the Java 2 Standard Edition platform version 5.0.01 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.01 service packs for development and production deployment on HP-UX
RAM	1 GB minimum
Performance Pack	<code>server/native/hpux11/PA_RISC/libmuxer.sl</code>
Design and Development Tools	<ul style="list-style-type: none">• HP-UX 11i v2 on PA-RISC is supported for the development and production deployment of WebLogic Server applications developed with other tools.• The AquaLogic Service Bus Data Transformation Tools are not supported on this configuration.

Table 12-2 Requirements for HP-UX 11i v2 on Itanium (32-bit JVM)

Operating System Version and Patches	HP-UX 11i v2 (HP-UX 11.23)
Chip Architecture and Minimum Processor Speed	Itanium (1.5 GHz)
JDK	HP-UX JDK for the Java 2 Standard Edition platform version 5.0.01 with Java HotSpot™ Server VM (32-bit) and all later JDK 5.0.01 service packs for development and production deployment on HP-UX
RAM	1 GB minimum
Performance Pack	<code>server/native/hpux11/IPF32/libmuxer.so</code>
Design and Development Tools	<ul style="list-style-type: none"> • HP-UX 11i v2 on PA-RISC is supported for the development and production deployment of WebLogic Server applications developed with other tools. • The AquaLogic Service Bus Data Transformation Tools are not supported on this configuration.

Known Issues

This section provides:

- [Known Issues Pertaining to HP-UX JDK](#)
- [Issues with HP-UX 11i v2 on Itanium](#)
- [Serial Version UID Mismatch](#)
- [Increase MaxPermSize](#)
- [Known Issues for Other Products](#)

Known Issues Pertaining to HP-UX JDK

If you are using releases of HP-UX JDK 5.0.04, HP-UX JDK 5.0.05, and HP-UX JDK 5.0.06, you may experience an out-of-memory error. Oracle recommends upgrading to the latest JDK version. See <http://www.hp.com/go/java>.

Issues with HP-UX 11i v2 on Itanium

- If your application involves working with very large objects via RMI over IIOP, then it may encounter the following exception:

```
java.rmi.MarshalException: ; nested exception is: org.omg.CORBA.MARSHAL:  
vmcid: 0x0 minor code: 0 completed:
```

If you see this exception, you may need to increase the size of the thread stack with the `-Xss` option. The JVM default is 512 KB; the new value depends on the size of the object in question.

- If, during installation, you get an `OutOfMemory` error message, you need to increase the maximum heap size by specifying the `-Xmx` argument on the command line. For example:

```
$ java -Xmx512m -jar alsb200_wls900_generic.jar -mode=console
```
- When WebLogic Server domains are being created or upgraded in console mode on an HP-UX 11i v2 on Itanium configuration, the window titled “Configure JDBC Data Sources” is not displayed properly. To create or upgrade a WebLogic Server domain on this configuration, use GUI mode or silent mode (with scripts).
- If you start WebLogic Server while logged in as root, while using the JDK 5.0.01, the server may fail to start and throw a `java.security.ProviderException`. If this happens, complete the following procedure:

- a. In a text editor, open the `java.security` file in the directory `JAVA_HOME/jre/lib/security`, where `JAVA_HOME` represents your JDK 5.0.01 installation directory.
- b. Find the `securerandom.source=file:/dev/urandom` entry. Change it to:

```
securerandom.source=file:/dev/random
```
- c. Save the `java.security` file with your changes and close it.
- d. While still logged in as root, restart WebLogic Server.

Serial Version UID Mismatch

A serial version UID mismatch is encountered when using WebLogic Server with HP-UX Java 5 (JDK 1.5.0.03 and higher).

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"
```

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.

Increase MaxPermSize

You may need to increase the `MaxPermSize` parameter based on application requirements. For example: For the WebLogic Portal Groupspace sample, you may need to increase the `MaxPermSize` from 128MB to 256MB.

Known Issues for Other Products

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	<i>AquaLogic Service Bus Release Notes:</i> http://e-docs.bea.com/alsb/docs20/relnotes/relnotes.html
WebLogic Server	<i>WebLogic Server Known and Resolved Issues:</i> http://e-docs.bea.com/wls/docs90/issues/known_resolved.html
Installation and configuration	<i>Products Installation and Configuration Release Notes:</i> http://e-docs.bea.com/common/docs90/relnotes/relnotes.html

Download and Installation Instructions

Note: These instructions are provided only for customers running HP-UX 11i v2 on Itanium. If you are running HP-UX 11i v2 on PA-RISC, you can simply follow the instructions in *Products Installation Guide*, available at <http://e-docs.bea.com/common/docs90/install/index.html>.

To run your products on HP-UX 11i v2 on Itanium, your configuration must include the following components:

- HP-UX JDK 5.0.01 for Itanium
- WebLogic Server 9.0 or AquaLogic Service Bus 2.0 package installer for HP-UX 11i v2

To obtain these components and install your products, complete the following procedure:

1. Go to the following HP Web site:

http://www.hp.com/products1/unix/java/java2/jdkjre5_0/downloads/license_jre_5.0.01_itanium.html

Download and install HP-UX JDK 5.0.01.

1. Go to [Oracle Technology Network](#) or [Oracle E-Delivery](#) and download WebLogic components for HP-UX.

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 9.0 or AquaLogic Service Bus 2.0 on your HP-UX 11i v2 configuration by completing the console-mode installation procedure for .jar files available at:

<http://e-docs.bea.com/common/docs90/install/start.html>

3. Set the `WL_HOME` variable to the directory in which you installed your product, and export `WL_HOME`. For example:

```
$ export WL_HOME=/your_installation_directory/weblogic90
```

4. In `${WL_HOME}/common/bin/commEnv.sh`, modify the value of the `SHLIB_PATH` environment variable so it points to the `IPF32` directory (instead of the `PA_RISC` directory) under `server/native/hpux11`. In other words, replace all occurrences of `PA_RISC` with `IPF32` in the `${WL_HOME}/common/bin/commEnv.sh` shell script.
5. Set the following execution modes on the contents of the `weblogic90/server/bin` and `weblogic90/server/native` directories:

```
$ chmod +x $WL_HOME/server/bin/*
$ chmod -R +x $WL_HOME/server/native/hpux11/*
```

Recommended Kernel Parameter Settings

- Oracle recommends that you set the `maxdsiz` kernel parameter to a minimum value of 2 GB.
- On HP-UX 11 systems, the default value for maximum threads per process is 64. This value may be too low for WebLogic Server and many Java server applications: WebLogic Server may have problems starting up. Therefore, Oracle recommends that you use the maximum kernel setting for the `max_thread_proc` parameter: 1024.
- Oracle recommends that you set all the parameters to the values shown in the following table.

Parameter	Recommended Value	Description
<code>max_thread_proc</code>	1024	Maximum threads per process
<code>maxfiles</code>	256	Soft file limit per process
<code>nkthread</code>	3635	Number of threads total on the system
<code>nproc</code>	2068	Maximum number of processes

WebLogic Server 9.0 and Related Products on HP-UX 11i v2

WebLogic Server 9.0 and Related Products on HP-UX 11i

Products Supported on this Configuration

Product	Version
AquaLogic Service Bus	2.0
WebLogic Server	9.0

This section provides the following information:

- [Related Information](#)
- [Configuration Requirements](#)
- [Known Issues](#)
- [Recommended Kernel Parameter Settings](#)

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 HP-UX 11i, see the following HP Web site: <http://www.hp.com>.

Configuration Requirements

Table 13-1 Requirements for HP-UX 11i on PA-RISC

Operating System Version and Patches	HP-UX 11i with required HP-UX patches for Java™ See http://www.hp.com/products1/unix/java/patches/index.html .
Chip Architecture and Minimum Processor Speed	PA-RISC (240 MHz)
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Design and Development Tools	<ul style="list-style-type: none">• HP-UX 11i on PA-RISC is supported for the development and production deployment of WebLogic Server applications developed with other tools.• The AquaLogic Service Bus Data Transformation Tools are not supported on this configuration.

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You may need to increase the `MaxPermSize` parameter based on application requirements. For example: For the WebLogic Portal Groupspace sample, you may need to increase the `MaxPermSize` from 128MB to 256MB.

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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.useCompatibleSerialVersionUID=1.0"
```

Alternatively, you can use the command line option:

```
export JAVA_OPTIONS="$JAVA_OPTIONS -Dcom.sun.xml.namespace.QName.useCompatibleSerialVersionUID=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.

Known Issues for Other Products

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	<i>AquaLogic Service Bus Release Notes:</i> http://e-docs.bea.com/alsb/docs20/relnotes/relnotes.html
WebLogic Server	<i>WebLogic Server Known and Resolved Issues:</i> http://e-docs.bea.com/wls/docs90/issues/known_resolved.html
Installation and configuration	<i>Products Installation and Configuration Release Notes:</i> http://e-docs.bea.com/common/docs90/relnotes/relnotes.html

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