



# BEA WebLogic Platform™

## 8.1 Supported Configurations: HP-UX 11i on Itanium

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# HP-UX 11i V3 on Itanium with 8.1 SP6

## Product Components Supported on this Configuration

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

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

✓ Supported  
✗ Not supported

This section provides the following information:

- [Related Information](#)
- [Configuration Requirements](#)
- [Known Issues](#)
- [WebLogic Platform 8.1 SP6 Installation Instructions](#)

## Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 8.1 Supported Configurations](#).
- For details about HP-UX 11.0 V3 on Itanium, visit HP's Web site: <http://www.hp.com>.

## Configuration Requirements

Table 1-1 Requirements for 8.1 SP6 on HP-UX 11i V3 on Itanium

<b>Operating System Version and Patches</b>	HP-UX 11i V3 with required HP-UX patches for Java™, see <a href="http://www.hp.com/products1/unix/java/patches/index.html">http://www.hp.com/products1/unix/java/patches/index.html</a> .	
<b>Chip Architecture and Minimum Processor Speed</b>	Itanium (900 MHz)	
<b>SDK</b>	HP-UX SDK 1.4.2.10 with Java HotSpot™ Server VM (32-bit)	WebLogic Platform 8.1 SP6 supports HP SDK 1.4.2.10 and all later SDK 1.4.2 service packs for development and production deployment on HP-UX.
<b>Design and Development Tools</b>	The WebLogic Workshop IDE and WebLogic Integration Format Builder are not supported on this system. This system is supported for the production deployment of applications developed in the WebLogic Workshop IDE, and for remote debugging of applications developed in the WebLogic Workshop IDE. This system is also supported for the development and production deployment of WebLogic Server applications developed with other tools.	
<b>RAM</b>	512 MB required; 1 GB recommended	
<b>Performance Pack</b>	Included	lib/hpux11/libmuxer.so
<b>Node Manager</b>	Included	Native
<b>BEA jDrivers for Oracle</b>	<b>For this Oracle client version:</b>	<b>The following shared libraries are provided:</b>
	Oracle 9.2.0.5 and later patch sets	<ul style="list-style-type: none"> <li>• lib/hpux11/oci920_8/libweblogicoci39.so</li> <li>• lib/hpux11/oci920_8/libweblogicoxa39.so</li> </ul>

## Known Issues

1. The HP-UX 11.0 V3 default value for maximum threads per process is 64, which may be too low for WebLogic Server and many Java server applications in general. When the value is too low, WebLogic Server may have problems starting up.

BEA recommends that you use the maximum kernel setting for the `max_thread_proc` and `maxusers` parameters. Setting `maxusers` to a higher value increases other machine-wide limits, such as `nkthread` (the maximum number of kernel threads). The following table provides some examples.

Parameter	Old Value	New Value	Description
<code>max_thread_proc</code>	64	1024	Maximum threads per process
<code>maxfiles</code>	60	256	Soft file limit per process
<code>maxusers</code>	32	256	Influences other parameters
<code>nkthread</code>	499	3635	Total number of threads on the system
<code>nproc</code>	276	2068	Maximum number of processes
<code>ncallout</code>	292	2084	Number of pending timeouts

BEA also recommends that you use tools such as `HPjconfig` to verify that the values of your tunable kernel parameters are optimal. For more information about `HPjconfig`, see: <http://www.hp.com/products1/unix/java/java2/HPjconfig/index.html>.

- The WebLogic Platform upgrade installer (`pj_platform816_upgrade_generic.jar`) throws an exception while upgrading
  - From 8.1 SP5 to 8.1 SP6
  - From 8.1 SP4 to 8.1 SP6

If you try to perform one of these types of upgrade with the upgrade installer, a `java.lang.OutOfMemory` exception is thrown.

You may need to increase the size of the thread stack with the `-Xms` and `-Xmx` options, as follows:

```
java -Xms512m -Xmx512m -jar pj_platform816_upgrade_generic.jar
```

- 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.

4. The Smart Update tool cannot be used to upgrade your WebLogic Platform software from a previous 8.1 SP version to SP6 for the HP-UX 11i V3 on Itanium configuration. If you want to upgrade your existing WebLogic Platform 8.1 software to SP6, use the upgrade installer.
5. While trying to load module `mod_wl_20.so` using Apache/2.0.55 HP-UX\_Apache-based\_Web\_Server on HP-UX 11i V3 on Itanium, it may throw the following error:

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

**To work around this problem:**

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.

6. While trying to load module `mod_wl128_20.so` using Apache/2.0.55 HP-UX\_Apache-based\_Web\_Server on HP-UX 11i V3 on Itanium, it may throw 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
```

**To work around this problem:**

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.



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

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

## Download and Installation Instructions for HP SDK 1.4.2.10

1. Go to the following HP Web site:  
[http://www.hp.com/products1/unix/java/java2/sdkrt14/downloads/license\\_sdk\\_1.4.2.10\\_itanium.html](http://www.hp.com/products1/unix/java/java2/sdkrt14/downloads/license_sdk_1.4.2.10_itanium.html)
2. Download and install HP SDK 1.4.2.10 for Itanium (IA64).

## WebLogic Platform 8.1 SP6 Installation Instructions

**To install WebLogic Platform 8.1 SP6 on HP 11i v3 on Itanium:**

1. Go to the BEA Downloads site (<http://commerce.bea.com>) and download the appropriate package installer:
  - For WebLogic Platform: `pj_platform816_generic.jar`
  - For WebLogic Server: `pj_server816_generic.jar`
2. Install WebLogic Platform or WebLogic Server following the instructions provided for .jar installation files, as described in *Installing WebLogic Platform*.

For example, if you are installing in console mode, enter the following at the command prompt:

```
$ java -jar pj_platform816_generic.jar -mode=console
```

For detailed instructions, see “Starting Console-Mode Installation on UNIX Systems” in *Installing BEA WebLogic Platform*:

<http://e-docs.bea.com/platform/docs81/install/console.html#instcon003>

**Note:** When using an Asian version of an installer (such as an installer for Japanese, Korean, or Simplified Chinese), you need to increase the maximum heap size to 256 MB by specifying the `-Xmx256m` argument on the command line. For example, if you are using a Japanese installer, enter the following command:

```
$ java -Xmx256m -jar pj_platform816_ja_generic.jar -mode=console
```

3. Set the `WL_HOME` variable to the directory in which you installed WebLogic Platform, and export `WL_HOME`:

```
$ export WL_HOME=/your_installation_directory/weblogic81
```

4. Set the correct execution modes on the contents of the `weblogic81/server/bin` and `weblogic81/server/lib` directories:

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

# HP-UX 11i V2 on Itanium with 8.1 SP6

## Product Components Supported on this Configuration

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

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

✓ Supported  
✗ Not supported

This section provides the following information:

- [Related Information](#)
- [Configuration Requirements](#)
- [Known Issues](#)
- [WebLogic Platform 8.1 SP6 Installation Instructions](#)

## Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 8.1 Supported Configurations](#).
- For details about HP-UX 11.0 V2 on Itanium, visit HP's Web site: <http://www.hp.com>.

## Configuration Requirements

**Table 2-1 Requirements for 8.1 SP6 on HP-UX 11i V2 on Itanium**

<b>Operating System Version and Patches</b>	HP-UX 11i V2 with required HP-UX patches for Java™, see <a href="http://www.hp.com/products1/unix/java/patches/index.html">http://www.hp.com/products1/unix/java/patches/index.html</a> .	
<b>Chip Architecture and Minimum Processor Speed</b>	Itanium (900 MHz)	
<b>SDK</b>	HP-UX SDK 1.4.2.10 with Java HotSpot™ Server VM (32-bit)	WebLogic Platform 8.1 SP6 supports HP SDK 1.4.2.10 and all later SDK 1.4.2 service packs for development and production deployment on HP-UX.
<b>Design and Development Tools</b>	The WebLogic Workshop IDE and WebLogic Integration Format Builder are not supported on this system. This system is supported for the production deployment of applications developed in the WebLogic Workshop IDE, and for remote debugging of applications developed in the WebLogic Workshop IDE. This system is also supported for the development and production deployment of WebLogic Server applications developed with other tools.	
<b>RAM</b>	512 MB required; 1 GB recommended	
<b>Performance Pack</b>	Included	lib/hpux11/libmuxer.so
<b>Node Manager</b>	Included	Native
<b>BEA jDrivers for Oracle</b>	<b>For this Oracle client version:</b>	<b>The following shared libraries are provided:</b>
	Oracle 9.2.0.5 and later patch sets	<ul style="list-style-type: none"> <li>• lib/hpux11/oci920_8/libweblogicoci39.so</li> <li>• lib/hpux11/oci920_8/libweblogicoxa39.so</li> </ul>

## Known Issues

1. The HP-UX 11.0 V2 (11.23) default value for maximum threads per process is 64, which may be too low for WebLogic Server and many Java server applications in general. When the value is too low, WebLogic Server may have problems starting up.

BEA recommends that you use the maximum kernel setting for the `max_thread_proc` and `maxusers` parameters. Setting `maxusers` to a higher value increases other machine-wide limits, such as `nkthread` (the maximum number of kernel threads). The following table provides some examples.

Parameter	Old Value	New Value	Description
<code>max_thread_proc</code>	64	1024	Maximum threads per process
<code>maxfiles</code>	60	256	Soft file limit per process
<code>maxusers</code>	32	256	Influences other parameters
<code>nkthread</code>	499	3635	Total number of threads on the system
<code>nproc</code>	276	2068	Maximum number of processes
<code>ncallout</code>	292	2084	Number of pending timeouts

BEA also recommends that you use tools such as `HPjconfig` to verify that the values of your tunable kernel parameters are optimal. For more information about `HPjconfig`, see: <http://www.hp.com/products1/unix/java/java2/HPjconfig/index.html>.

- The WebLogic Platform upgrade installer (`pj_platform816_upgrade_generic.jar`) throws an exception while upgrading
  - From 8.1 SP5 to 8.1 SP6
  - From 8.1 SP4 to 8.1 SP6

If you try to perform one of these types of upgrade with the upgrade installer, a `java.lang.OutOfMemory` exception is thrown.

You may need to increase the size of the thread stack with the `-Xms` and `-Xmx` options, as follows:

```
java -Xms512m -Xmx512m -jar pj_platform816_upgrade_generic.jar
```

- 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.

4. The Smart Update tool cannot be used to upgrade your WebLogic Platform software from a previous 8.1 SP version to SP6 for the HP-UX 11i V2 on Itanium configuration. If you want to upgrade your existing WebLogic Platform 8.1 software to SP6, use the upgrade installer.
5. While trying to load module `mod_wl_20.so` using Apache/2.0.55 HP-UX\_Apache-based\_Web\_Server on HP-UX 11i V2 on Itanium, it may throw the following error:

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

**To work around this problem:**

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.

6. While trying to load module `mod_wl128_20.so` using Apache/2.0.55 HP-UX\_Apache-based\_Web\_Server on HP-UX 11i V2 on Itanium, it may throw 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
```

**To work around this problem:**

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.

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

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

## Download and Installation Instructions for HP SDK 1.4.2.10

1. Go to the following HP Web site:  
[http://www.hp.com/products1/unix/java/java2/sdkrt14/downloads/license\\_sdk\\_1.4.2.10\\_itanium.html](http://www.hp.com/products1/unix/java/java2/sdkrt14/downloads/license_sdk_1.4.2.10_itanium.html)
2. Download and install HP SDK 1.4.2.10 for Itanium (IA64).

## WebLogic Platform 8.1 SP6 Installation Instructions

**To install WebLogic Platform 8.1 SP6 on HP 11i v2 on Itanium:**

1. Go to the BEA Downloads site (<http://commerce.bea.com>) and download the appropriate package installer:
  - For WebLogic Platform: `pj_platform816_generic.jar`
  - For WebLogic Server: `pj_server816_generic.jar`
2. Install WebLogic Platform or WebLogic Server following the instructions provided for .jar installation files, as described in *Installing WebLogic Platform*.

For example, if you are installing in console mode, enter the following at the command prompt:

```
$ java -jar pj_platform816_generic.jar -mode=console
```

For detailed instructions, see “Starting Console-Mode Installation on UNIX Systems” in *Installing BEA WebLogic Platform*:

<http://e-docs.bea.com/platform/docs81/install/console.html#instcon003>

**Note:** When using an Asian version of an installer (such as an installer for Japanese, Korean, or Simplified Chinese), you need to increase the maximum heap size to 256 MB by specifying the `-Xmx256m` argument on the command line. For example, if you are using a Japanese installer, enter the following command:

```
$ java -Xmx256m -jar pj_platform816_ja_generic.jar -mode=console
```

3. Set the `WL_HOME` variable to the directory in which you installed WebLogic Platform, and export `WL_HOME`:

```
$ export WL_HOME=/your_installation_directory/weblogic81
```

4. Set the correct execution modes on the contents of the `weblogic81/server/bin` and `weblogic81/server/lib` directories:

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



# HP-UX 11i V2 on Itanium with 8.1 SP5

## Product Components Supported on this Configuration

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

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

- ✓ Supported
- ✗ Not supported

This section provides the following information:

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

## Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 8.1 Supported Configurations](#).
- For details about HP-UX 11i V2, visit HP's Web site: <http://www.hp.com>.

## Configuration Requirements

Table 3-1 Requirements for 8.1 SP5 on HP-UX 11i V2 on Itanium

<b>Operating System Version and Patches</b>	HP-UX 11i v2.0 (HP-UX 11.23)	
<b>Chip Architecture and Minimum Processor Speed</b>	Itanium (900 MHz)	
<b>SDK</b>	HP-UX SDK 1.4.2.08 (32-bit) with Java HotSpot Server VM and all later service packs of 1.4.2	Download the HP-UX SDK from the HP Web site and install it, manually, before installing WebLogic Platform. For instructions, see <a href="#">“Download and Installation Instructions”</a> on page 3-4.
<b>Design and Development Tools</b>	The WebLogic Workshop IDE and WebLogic Integration Format Builder are not supported on this system. This system is supported for the production deployment of applications developed in the WebLogic Workshop IDE, and for remote debugging of applications developed in the WebLogic Workshop IDE. This system is also supported for the development and production deployment of WebLogic Server applications developed with other tools.	
<b>RAM</b>	512 MB required; 1 GB recommended	
<b>Performance Pack</b>	Included	<code>lib/hpux11/IPF32/libmuxer.so</code>
<b>Node Manager</b>	Included	Native
<b>BEA jDrivers for Oracle</b>	<b>For this Oracle client version:</b>	<b>The following shared libraries are provided:</b>
	Oracle 9.2.0.5	<ul style="list-style-type: none"> <li>• <code>lib/hpux11/IPF32/oci920_8/libweblogicoci39.so</code></li> <li>• <code>lib/hpux11/IPF32/oci920_8/libweblogicoxa39.so</code></li> </ul>

## Known Issues

- 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.

- The Smart Update facility cannot be used to upgrade your WebLogic Platform software from a pre-SP5 version to SP5 on an HP-UX 11i V2 on Itanium configuration. If you want to upgrade your existing WebLogic Platform 8.1 software to SP5, use the upgrade installer, instead.

This issue is being tracked in CR212708. For more information, see the description of CR212708 in the WebLogic Platform 8.1 *Release Notes*:

<http://e-docs.bea.com/platform/docs81/relnotes/relnotes.html#cr212708>

- The WebLogic Platform upgrade installer (`pj_platform815_upgrade_generic.jar`) cannot be used to perform upgrades:
  - From 8.1 SP4 to 8.1 SP5
  - From 8.1 SP3 to 8.1 SP5
  - From 8.1 SP2 to 8.1 SP5

If you try to perform one of these types of upgrade with the upgrade installer, a `java.lang.OutOfMemory` exception is thrown. You may need to increase the size of the thread stack with the `-Xms` and `-Xmx` options, as follows:

```
java -Xms512m -Xmx512m -jar pj_platform815_upgrade_generic.jar
```

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

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

## Download and Installation Instructions

Installing and using WebLogic Platform 8.1 SP5 on HP-UX 11i V2 (11.23) on Itanium requires the following:

- HP-UX SDK 1.4.2.08 for Itanium
- WebLogic Platform 8.1 SP5 package installer for HP-UX 11i V2 (HP-UX 11.23)

To install WebLogic Platform 8.1 SP5 on HP-UX 11i V2 (HP-UX 11.23), complete the following procedure:

1. Go to the following HP Web site:

[http://www.hp.com/products1/unix/java/java2/sdkrtel4/downloads/license\\_sdk\\_1.4.2.08\\_itanium.html](http://www.hp.com/products1/unix/java/java2/sdkrtel4/downloads/license_sdk_1.4.2.08_itanium.html)

Download and install HP-UX SDK 1.4.2.08.

2. Go to the BEA Downloads site (<http://commerce.bea.com>) and download the appropriate package installer:

- For WebLogic Platform: `pj_platform815_generic.jar`
- For WebLogic Server: `pj_server815_generic.jar`

3. Install WebLogic Platform 8.1 SP5 or WebLogic Server 8.1 SP5 for HP-UX 11i V2 using the instructions provided for `.jar` installation files, as described in *Installing WebLogic Platform*.

For example, if you are installing in console mode, enter the following on the command line:

```
$ java -jar pj_platform815_generic.jar -mode=console
```

For detailed instructions, see “Starting Console-Mode Installation on UNIX Systems” in *Installing BEA WebLogic Platform*:

<http://e-docs.bea.com/platform/docs81/install/console.html#instcon003>

**Note:** When using an Asian version of an installer (such as an installer for Japanese, Korean, or Simplified Chinese), you need to increase the maximum heap size to 256 MB by specifying the `-Xmx256m` argument on the command line. For example, if you are using a Japanese installer, enter the following command:

```
$ java -Xmx256m -jar pj_platform815_ja_generic.jar -mode=console
```

4. Set the `WL_HOME` variable to the directory in which you installed WebLogic Platform, and export `WL_HOME`:

```
$ export WL_HOME=/your_installation_directory/weblogic81
```

5. Set the correct execution modes on the contents of the `weblogic81/server/bin` and `weblogic81/server/lib` directories:

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

## Recommended Kernel Parameter Settings

The HP-UX 11i V2 (11.23) default value for maximum threads per process (`max_thread_proc`) is 64, which may be too low for WebLogic Server and many Java server applications in general. When the value is too low, WebLogic Server may have problems starting up. Therefore BEA recommends that you use the maximum kernel setting for the `max_thread_proc` parameter.

The following table provides some examples.

**Table 3-2 Recommended HP-UX 11i V2 (11.23) Kernel Settings**

Parameter	Old Value	New Value	Description
<code>max_thread_proc</code>	64	3000	Maximum threads per process
<code>Maxdsiz_64bit</code>	1073741824	4294967296	Maximum data segment size
<code>maxfiles</code>	60	2048	Soft file limit per process
<code>nkthread</code>	499	8416	Total number of threads in the system
<code>nproc</code>	276	4200	Maximum number of processes

BEA also recommends that you use tools such as `HPjconfig` to verify that the values of your tunable kernel parameters are optimal. For more information about `HPjconfig`, see:

<http://www.hp.com/products1/unix/java/java2/HPjconfig/index.html>

HP-UX 11i V2 on Itanium with 8.1 SP5

# HP-UX 11i V2 on Itanium with 8.1 SP4

## Product Components Supported on this Configuration

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

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

- ✓ Supported
- ✗ Not supported

This section provides the following information:

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

## Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 8.1 Supported Configurations](#).
- For details about HP-UX 11i V2, visit HP's Web site: <http://www.hp.com>.

## Configuration Requirements

Table 4-1 Requirements for 8.1 SP4 on HP-UX 11i V2 on Itanium

<b>Operating System Version and Patches</b>	HP-UX 11i v2.0 (HP-UX 11.23)	
<b>Chip Architecture and Minimum Processor Speed</b>	Itanium (900 MHz)	
<b>SDK</b>	HP-UX SDK 1.4.2.05 (32-bit) with Java HotSpot Server VM and all later service packs of 1.4.2	Download the HP-UX SDK from the HP Web site and install it, manually, before installing WebLogic Platform. For instructions, see <a href="#">“Download and Installation Instructions”</a> on page 4-4.
<b>Design and Development Tools</b>	The WebLogic Workshop IDE and WebLogic Integration Format Builder are not supported on this system. This system is supported for the production deployment of applications developed in the WebLogic Workshop IDE, and for remote debugging of applications developed in the WebLogic Workshop IDE. This system is also supported for the development and production deployment of WebLogic Server applications developed with other tools.	
<b>RAM</b>	512 MB required; 1 GB recommended	
<b>Performance Pack</b>	Included	<code>lib/hpux11/IPF32/libmuxer.so</code>
<b>Node Manager</b>	Included	Native
<b>BEA jDrivers for Oracle</b>	<b>For this Oracle client version:</b>	<b>The following shared libraries are provided:</b>
	Oracle 9.2.0.5	<ul style="list-style-type: none"> <li>• <code>lib/hpux11/IPF32/oci920_8/libweblogicoci39.so</code></li> <li>• <code>lib/hpux11/IPF32/oci920_8/libweblogicoxa39.so</code></li> </ul>



## Known Issues

- The HP-UX 11.0 default value for maximum threads per process is 64, which may be too low for WebLogic Server and many Java server applications in general. When the value is too low, WebLogic Server may have problems starting up.

BEA recommends that you use the maximum kernel setting for the `max_thread_proc` and `maxusers` parameters. Setting `maxusers` to a higher value increases other machine-wide limits, such as `nkthread` (the maximum number of kernel threads). The following table provides some examples.

**Table 4-2 Recommended HP-UX 11.0 Kernel Settings**

Parameter	Old Value	New Value	Description
<code>max_thread_proc</code>	64	1024	Maximum threads per process
<code>maxfiles</code>	60	256	Soft file limit per process
<code>maxusers</code>	32	256	Influences other parameters
<code>nkthread</code>	499	3635	Total number of threads on the system
<code>nproc</code>	276	2068	Maximum number of processes
<code>ncallout</code>	292	2084	Number of pending timeouts

- The `setuid` function does not work. This problem is a known issue with HP-UX SDK 1.4.2.05. HP is working to resolve it.
- 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.

- The SmartUpdate facility cannot be used to upgrade your WebLogic Platform software from a pre-SP4 version to SP4 on an HP-UX 11i V2 on Itanium configuration. If you want to upgrade your existing WebLogic Platform 8.1 software to SP4, use the upgrade installer, instead.

This issue is being tracked in CR212708. For more information, see the description of CR212708 in the WebLogic Platform 8.1 *Release Notes*:

<http://e-docs.bea.com/platform/docs81/relnotes/relnotes.html#cr212708>

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

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

## Download and Installation Instructions

Installing and using WebLogic Platform 8.1 SP4 on HP-UX 11i V2 (11.23) on Itanium requires the following:

- HP-UX SDK 1.4.2.05 for Itanium
- WebLogic Platform 8.1 SP4 package installer for HP-UX 11i V2 (HP-UX 11.23)

To install WebLogic Platform 8.1 SP4 on HP-UX 11i V2 (HP-UX 11.23), complete the following procedure:

1. Go to the following HP Web site:

[http://www.hp.com/products1/unix/java/java2/sdkrte14/downloads/license\\_sdk\\_1.4.2.05\\_itanium.html](http://www.hp.com/products1/unix/java/java2/sdkrte14/downloads/license_sdk_1.4.2.05_itanium.html)

Download and install HP-UX SDK 1.4.2.05.

2. Go to the BEA Downloads site (<http://commerce.bea.com>) and download the WebLogic Platform installer: `pj_platform814_generic.jar`.
3. Install WebLogic Platform 8.1 SP4 for HP-UX 11i V2 using the instructions provided for `.jar` installation files, as described in *Installing WebLogic Platform*. For example, if you are installing in console mode, enter the following on the command line:

```
$ java -jar pj_platform814_generic.jar -mode=console
```

For detailed instructions, see “Starting Console-Mode Installation on UNIX Systems” in *Installing BEA WebLogic Platform*:

<http://e-docs.bea.com/platform/docs81/install/console.html#instcon003>

**Note:** When using an Asian version of an installer (such as an installer for Japanese, Korean, or Simplified Chinese), you need to increase the maximum heap size to 256 MB by specifying the `-Xmx256m` argument on the command line. For example, if you

are using a Japanese installer, enter the following command:

```
$ java -Xmx256m -jar pj_platform814_ja_generic.jar -mode=console
```

4. Set the `WL_HOME` variable to the directory in which you installed WebLogic Platform, and export `WL_HOME`:

```
$ export WL_HOME=your_installation_directory/weblogic81
```

5. Set the correct execution modes on the contents of the `weblogic81/server/bin` and `weblogic81/server/lib` directories:

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

HP-UX 11i V2 on Itanium with 8.1 SP4

# HP-UX 11i V2 on Itanium with 8.1 SP3

## Product Components Supported on this Configuration

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

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

- ✓ Supported
- ✗ Not supported

This section provides the following information:

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

## Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 8.1 Supported Configurations](#).
- For details about HP-UX 11i V2, visit HP's Web site: <http://www.hp.com>.

# Configuration Requirements

**Table 5-1 Requirements for 8.1 SP3 on HP-UX 11i V2 on Itanium**

<b>Operating System Version and Patches</b>	HP-UX 11i v2.0 (HP-UX 11.23)	
<b>Chip Architecture and Minimum Processor Speed</b>	Itanium (900 MHz)	
<b>SDK</b>	HP-UX SDK 1.4.2.03 (32-bit) with Java HotSpot Server VM and all later service packs of 1.4.2	Download the HP-UX SDK from the HP Web site and install it, manually, before installing WebLogic Platform. For instructions, see <a href="#">“Download and Installation Instructions” on page 5-4.</a>
<b>Design and Development Tools</b>	The WebLogic Workshop IDE and WebLogic Integration Format Builder are not supported on this system. This system is supported for the production deployment of applications developed in the WebLogic Workshop IDE, and for remote debugging of applications developed in the WebLogic Workshop IDE. This system is also supported for the development and production deployment of WebLogic Server applications developed with other tools.	
<b>RAM</b>	512 MB required; 1 GB recommended	
<b>Performance Pack</b>	Included	lib/hpux11/IPF32/libmuxer.so
<b>Node Manager</b>	Included	Native
<b>BEA jDrivers for Oracle</b>	<b>For this Oracle client version:</b>	<b>The following shared libraries are provided:</b>
	Oracle 9.2.0.4	<ul style="list-style-type: none"> <li>lib/hpux11/IPF32/oci920_8/libweblogicoci39.so</li> <li>lib/hpux11/IPF32/oci920_8/libweblogicoxa39.so</li> </ul>

## Known Issues

- The HP-UX 11.0 default value for maximum threads per process is 64, which may be too low for WebLogic Server and many Java server applications in general. When the value is too low, WebLogic Server may have problems starting up.

BEA recommends that you use the maximum kernel setting for the `max_thread_proc` and `maxusers` parameters. Setting `maxusers` to a higher value increases other machine-wide limits, such as `nkthread` (the maximum number of kernel threads). The following table provides some examples.

**Table 5-2 Recommended HP-UX 11.0 Kernel Settings**

Parameter	Old Value	New Value	Description
<code>max_thread_proc</code>	64	1024	Maximum threads per process
<code>maxfiles</code>	60	256	Soft file limit per process
<code>maxusers</code>	32	256	Influences other parameters
<code>nkthread</code>	499	3635	Number of threads total on the system
<code>nproc</code>	276	2068	Maximum number of processes
<code>ncallout</code>	292	2084	Number of pending timeouts

- The `setuid` function does not work. This problem is a known issue with HP-UX SDK 1.4.2.03. HP is working to resolve it.
- 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.

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

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

## Download and Installation Instructions

Installing and using WebLogic Platform 8.1 SP3 on HP-UX 11i V2 (11.23) on Itanium requires the following:

- HP-UX SDK 1.4.2.03 for Itanium
- WebLogic Platform 8.1 SP3 package installer for HP-UX 11i V2 (HP-UX 11.23)
- Supplemental JAR file for HP-UX 11i V2 (HP-UX 11.23) on Itanium

To install WebLogic Platform 8.1 SP3 on HP-UX 11i V2 (HP-UX 11.23), complete the following procedure:

1. Go to the following HP Web page:

[http://www.hp.com/products1/unix/java/java2/sdkrte14/downloads/license\\_sdk\\_1.4.2.03\\_itanium.html](http://www.hp.com/products1/unix/java/java2/sdkrte14/downloads/license_sdk_1.4.2.03_itanium.html)

2. Download and install the HP-UX SDK 1.4.2.03 by completing the following steps:

- a. Read the Legal Notice and click the check box below it to indicate acceptance.
- b. Fill out the “Contact information” form near and click “Finish.” The download page is displayed.
- c. Download the HP-UX SDK 1.4.2.03 and install it on your system.

3. Go to the BEA Download site:

<http://commerce.bea.com>

4. Download the following:

- WebLogic Platform package installer: `pj_platform813_generic.jar` (accessed by selecting HP-UX(11iV2, Itanium) in the OS Platform field)
- Supplementary JAR file for HP-UX 11i V2 on Itanium: `wls813_hpux1123_supp.jar`

**Note:** This file contains supplementary installation and configuration files for HP-UX 11i V2 on Itanium.

5. Install WebLogic Platform 8.1 SP3 for HP-UX 11i V2 using the instructions provided for `.jar` installation files, as described in *Installing WebLogic Platform*. For example, if you are installing in console mode, enter the following on the command line:

```
$ java -jar pj_platform813_generic.jar -mode=console
```



For detailed instructions, see “Starting Console-Mode Installation on UNIX Systems” in *Installing BEA WebLogic Platform*:

<http://e-docs.bea.com/platform/docs81/install/console.html#instcon003>

**Note:** When using an Asian version of an installer (such as an installer for Japanese, Korean, or Simplified Chinese), you need to increase the maximum heap size to 256 MB by specifying the `-Xmx256m` argument on the command line. For example, if you are using a Japanese installer, enter the following command:

```
$ java -Xmx256m -jar pj_platform813_ja_generic.jar -mode=console
```

6. Set the `WL_HOME` variable to the directory in which you installed WebLogic Platform, and export `WL_HOME`:

```
$ export WL_HOME=/your_installation_directory/weblogic81
```

7. Go to `$WL_HOME/server/lib/hpux11/IPF64`:

```
$ cd $WL_HOME/server/lib/hpux11/IPF64
```

8. Extract the contents of the JAR file:

```
$ jar -xvf wls813_hpux1123_supp.jar
```

9. In the `startWLS.sh` and `commEnv.sh` shell scripts, modify the `SHLIB_PATH` environment variable so it points to the `IPF32` directory under `lib/hpux11`. Specifically, replace all occurrences of `${WL_HOME}/server/lib/hpux11` with

`${WL_HOME}/server/lib/hpux11/IPF32` in the following scripts:

```
– ${WL_HOME}/server/bin/startWLS.sh
```

```
– ${WL_HOME}/common/bin/commEnv.sh
```

10. In the `startWLS.sh` shell script, modify the `PATH` environment variable so it points to the `IPF64` directory under `lib/hpux11`. Specifically, replace all occurrences of `${WL_HOME}/server/lib/hpux11` with `${WL_HOME}/server/lib/hpux11/IPF64` in the definition of the `PATH` variable.

11. Set the correct execution modes on the contents of the `weblogic81/server/bin` and `weblogic81/server/lib` directories:

```
$ chmod +x $WL_HOME/server/bin/*
```

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

HP-UX 11i V2 on Itanium with 8.1 SP3

# HP-UX 11i V2 on Itanium with 8.1 SP2

## Product Components Supported on this Configuration

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

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

- ✓ Supported
- ✗ Not supported

This section provides the following information:

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

## Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 8.1 Supported Configurations](#).
- For details about HP-UX 11i V2, visit HP's Web site: <http://www.hp.com>.

## Configuration Requirements

**Table 6-1 Requirements for 8.1 SP2 on HP-UX 11i V2 on Itanium**

<b>Operating System Version and Patches</b>	HP-UX 11i v2.0 (HP-UX 11.23) with HP-UX patches for Java™. See <a href="http://www.hp.com/products1/unix/java/patches/index.html">http://www.hp.com/products1/unix/java/patches/index.html</a> .	
<b>Chip Architecture and Minimum Processor Speed</b>	Itanium (900 MHz)	
<b>SDK</b>	HP-UX SDK 1.4.2.01 (32-bit) with Java HotSpot Server VM and all later service packs of 1.4.2.	
<b>Design and Development Tools</b>	The WebLogic Workshop IDE and WebLogic Integration Format Builder are not supported on this system. This system is supported for the production deployment of applications developed in the WebLogic Workshop IDE, and for remote debugging of applications developed in the WebLogic Workshop IDE. This system is also supported for the development and production deployment of WebLogic Server applications developed with other tools.	
<b>RAM</b>	512 MB required; 1 GB recommended	
<b>Performance Pack</b>	Included	<code>lib/hpux11/IPF32/libmuxer.so</code>
<b>Node Manager</b>	Included	Native
<b>BEA jDrivers for Oracle</b>	<b>For this Oracle client version:</b>	<b>The following shared libraries are provided:</b>
	Oracle 9.2.0.4	<ul style="list-style-type: none"> <li>• <code>lib/hpux11/IPF32/oci920_9/libweblogicoci39.so</code></li> <li>• <code>lib/hpux11/IPF32/oci920_8/libweblogiccoxa39.so</code></li> </ul>

## Known Issues

- The HP-UX 11.0 default value for maximum threads per process is 64, which may be too low for WebLogic Server and many Java server applications in general. When the value is too low, WebLogic Server may have problems starting up.

BEA recommends that you use the maximum kernel setting for the `max_thread_proc` and `maxusers` parameters. Setting `maxusers` to a higher value increases other machine-wide limits, such as `nkthread` (the maximum number of kernel threads). The following table provides some examples.

**Table 6-2 Recommended HP-UX 11.0 Kernel Settings**

Parameter	Old Value	New Value	Description
<code>max_thread_proc</code>	64	1024	Maximum threads per process
<code>maxfiles</code>	60	256	Soft file limit per process
<code>maxusers</code>	32	256	Influences other parameters
<code>nkthread</code>	499	3635	Number of threads total on the system
<code>nproc</code>	276	2068	Maximum number of processes
<code>ncallout</code>	292	2084	Number of pending timeouts

- The `setuid` function does not work. This problem is a known issue with HP-UX SDK 1.4.2.01. HP is working to resolve it.
- 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.

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

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

## Download and Installation Instructions

Installing and using WebLogic Platform 8.1 SP2 on HP-UX 11i V2 (11.23) on Itanium requires the following:

- HP-UX SDK 1.4.2.01
- WebLogic Platform 8.1 SP2 installer for HP-UX 11i V2 (HP-UX 11.23)
- Supplemental file for HP-UX 11i V2 (HP-UX 11.23) on Itanium
- WebLogic Platform 8.1 SP2 SDK/Database Patch

To install WebLogic Platform 8.1 SP2 on HP-UX 11i V2 (HP-UX 11.23), complete the following procedure:

1. Go to the HP Web site (<http://www.hp.com>). Download and install HP-UX SDK 1.4.2.01.
2. Go to the BEA Downloads site (<http://commerce.bea.com>) and download the following:

- WebLogic Platform installer: `pj_platform812_generic.jar`
- HP-UX 11i V2 on Itanium supplementary JAR file: `wls812_hpux1123_supp.jar`

**Note:** This file contains supplementary installation and configuration files for HP-UX 11i V2 on Itanium.

3. Install WebLogic Platform 8.1 SP2 for HP-UX 11i V2 by completing the console-mode installation procedure for `.jar` files available in *Installing WebLogic Platform* at <http://e-docs.bea.com/platform/docs81/install/console.html>:

```
$ java -jar pj_platform812_generic.jar -mode=console
```

4. Set the `WL_HOME` variable to the directory in which you installed WebLogic Platform, and export `WL_HOME`:

```
$ export WL_HOME=/your_installation_directory/weblogic81
```

5. Go to `$WL_HOME/server/lib`:

```
$ cd $WL_HOME/server/lib
```

6. Extract the contents of the JAR file:

```
$ jar -xvf wls812_hpux1123_supp.jar
```

7. In the following shell scripts, modify the environment variable `SHLIB_PATH` so it points to the `IPF32` directory under `lib/hpux11`. In other words, replace all occurrences of `${WL_HOME}/server/lib/hpux11` with `${WL_HOME}/server/lib/hpux11/IPF32` in the following scripts:

```
- ${WL_HOME}/server/bin/startWLS.sh  
- ${WL_HOME}/common/bin/commEnv.sh
```

8. Set the correct execution modes on the contents of the `weblogic81/server/bin` and `weblogic81/server/lib` directories:

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

9. Go to the BEA dev2dev site for downloading patches:

[http://dev2dev.bea.com/products/wlplatform81/patch/wlplat81sp2\\_patch.jsp](http://dev2dev.bea.com/products/wlplatform81/patch/wlplat81sp2_patch.jsp)

10. Download and apply the WebLogic Platform 8.1 SP2 SDK/Database Patch. For more information, see “SDK/Database Patch” in the *BEA WebLogic Platform Release Notes*.

**Note:** If you plan to use the WebLogic Integration sample DBMS adapter for DB2, you may want to install an additional patch. For more information, or to obtain the patch, contact BEA Customer Support and request the patch for CR134068.

HP-UX 11i V2 on Itanium with 8.1 SP2



# HP-UX 11i V2 on Itanium with WebLogic Server 8.1 SP1

**Product Components Supported on this Configuration**

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

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

✓ Supported  
✗ Not supported

This section provides the following information:

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

## Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 8.1 Supported Configurations](#).
- For details about HP-UX 11i V2, visit HP's Web site: <http://www.hp.com>.

## Configuration Requirements

**Table 7-1 Requirements for WebLogic Server 8.1 on HP-UX 11i V2 on Itanium**

<b>Operating System Version and Patches</b>	HP-UX 11i V2.0 (HP-UX 11.23) with HP-UX patches for Java™. See <a href="http://www.hp.com/products1/unix/java/patches/index.html">http://www.hp.com/products1/unix/java/patches/index.html</a>	
<b>Chip Architecture and Minimum Processor Speed</b>	Itanium (900 MHz)	
<b>SDK</b>	HP-UX SDK 1.4.1.05 (32-bit) Java™ 2 Runtime Environment, Standard Edition (build 1.4.1.05-030910-01:23) Java HotSpot™ Server VM (build 1.4.1.1 1.4.1.05-030910-05:38-IA64N IA64, mixed mode)	
<b>Design and Development Tools</b>	Supports WebLogic Server development tools.	
<b>RAM</b>	512 MB required; 1 GB recommended	
<b>Performance Pack</b>	Included	lib/hpux11/IPF32/libmuxer.so
<b>Node Manager</b>	Included	Native
<b>BEA jDrivers for Oracle</b>	<b>For this Oracle client version:</b>	<b>The following shared libraries are provided:</b>
	Oracle 9.2.0.4	<ul style="list-style-type: none"> <li>• lib/hpux11/IPF32/oci920_9/libweblogicoci39.so</li> <li>• lib/hpux11/IPF32/oci920_8/libweblogicoxa39.so</li> </ul>

## Known Issues

- The HP-UX 11.0 default value for maximum threads per process is 64, which may be too low for WebLogic Server and many Java server applications in general. When the value is too low, WebLogic Server may have problems starting up.

BEA recommends that you use the maximum kernel setting for the `max_thread_proc` and `maxusers` parameters. Setting `maxusers` to a higher value increases other machine-wide limits, such as `nkthread` (the maximum number of kernel threads). The following table provides some examples.

**Table 7-2 Recommended HP-UX 11.0 Kernel Settings**

Parameter	Old Value	New Value	Description
<code>max_thread_proc</code>	64	1024	Maximum threads per process
<code>maxfiles</code>	60	256	Soft file limit per process
<code>maxusers</code>	32	256	Influences other parameters
<code>nkthread</code>	499	3635	Number of threads total on the system
<code>nproc</code>	276	2068	Maximum number of processes
<code>ncallout</code>	292	2084	Number of pending timeouts

- The `setuid` function does not work. This problem is a known issue with HP-UX SDK 1.4.1.05. HP is working to resolve it.
- There is a known issue with the character set API in HP-UX SDK 1.4.1.05. As a result, `Charset.availableCharsets()` always fails. If you plan to use this code in your applications, install HP-UX 1.4.1.06, as follows:
  - a. Download HP-UX SDK 1.4.1.06 from the following HP site:  
<http://www.hp.com/products1/unix/java>
  - b. Install the 1.4.1.06 SDK on your system. By default, it is installed in the following directory:  
`/opt/java1.4`
  - c. Rename the original SDK:  

```
mv $BEA_HOME/jdk141_05 $BEA_HOME/jdk141_05.orig
```

- d. Create a symbolic link to the new SDK:

```
ln -s /opt/java1.4 $BEA_HOME/jdk141_05
```

For more information about known issues with any components of this release, see the *Release Notes* document for WebLogic Server, available at:

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

## Download and Installation Instructions

This section provides instructions for the following tasks:

- [Downloading and Installing the HP-UX SDK 1.4.1.05](#)
- [Downloading and Installing WebLogic Server 8.1 SP1](#)

### Downloading and Installing the HP-UX SDK 1.4.1.05

1. Download the HP-UX SDK 1.4.1.05 from <http://www.hp.com>.
2. Install the JDK in your environment and then make the following changes in your environment:
  - Update the `JAVA_HOME` environment variable to reflect the JDK installation directory.  
For example: `JAVA_HOME=/opt/java1.4; export JAVA_HOME`
  - Update the `PATH` environment variable to include `JAVA_HOME/bin`. For example:  
`PATH=$JAVA_HOME/bin:$PATH; export PATH`

**Note:** There is a known issue with the character set API in HP-UX SDK 1.4.1.05. As a result, `Charset.availableCharsets()` always fails. If you plan to use this code in your applications, install HP-UX 1.4.1.06, as described in [Known Issues](#).

### Downloading and Installing WebLogic Server 8.1 SP1

1. Go to the BEA Downloads site (<http://commerce.bea.com>) and download the following:
  - WebLogic Platform installer: `pj_server811_generic.jar`
  - HP-UX 11i V2 on Itanium supplementary JAR file: `wls811_hpux1123_supp.jar`

**Note:** This file contains supplementary installation and configuration files for HP-UX 11i V2 on Itanium.

2. Install WebLogic Server 8.1 SP1 by completing the the console-mode installation procedure for .jar files in *Installing BEA WebLogic Platform* at <http://e-docs.bea.com/platform/docs81/install/console.html>:

```
$ java -jar pj_server811_generic.jar -mode=console
```

3. Set the WL\_HOME variable to point to the WebLogic Server installation, and export WL\_HOME:

```
$ export WL_HOME=/your_installation_directory/weblogic81
```

4. Add weblogic81/server/bin to your execution path:

```
$ export PATH=$WL_HOME/server/bin:$PATH
```

5. Go to \$WL\_HOME/server/lib/hpux11:

```
$ cd $WL_HOME/server/lib/hpux11
```

6. Extract the contents of the wls811\_hpux1123\_supp.jar file:

```
$ jar -xvf wls811_hpux1123_supp.jar
```

This step creates new directories for native libraries.

7. Update the environment variable SHLIB\_PATH in the following shell scripts:

```
- $WL_HOME/server/bin/startWLS.sh
```

```
- $WL_HOME/common/bin/commEnv.sh
```

Replace all occurrences of \$WL\_HOME/server/lib/hpux11 with

```
$WL_HOME/server/lib/hpux11/IPF32.
```

8. Set the correct execution modes on the contents of the weblogic81/server/bin and weblogic81/server/lib directories:

```
$ chmod +x $WL_HOME/server/bin/*
```

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

HP-UX 11i V2 on Itanium with WebLogic Server 8.1 SP1