



# BEA WebLogic Platform™

**7.0 Supported  
Configurations: HP-UX  
11.0, 11i on PA-RISC**

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# HP-UX 11.0, 11i on PA-RISC with 7.0 SP7

**Product Components Supported on this Configuration**

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

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

✓ Supported

✗ Not supported

This section provides the following information:

- [Configuration Requirements](#)
- [Known Issues](#)

## Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 7.0 Supported Configurations](#).
- For details about HP-UX 11.0 and 11i on PA-RISC, visit the HP Web site: <http://www.hp.com>.

# Configuration Requirements

**Table 1-1 Requirements for 7.0 SP7 on HP-UX 11.0, 11i on PA-RISC**

<b>Operating System Version and Patches</b>	HP-UX 11.0, 11i	For information about 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>	PA-RISC (100 MHz)	
<b>SDK</b>	HP-UX SDK 1.4.2.10 (and later releases of 1.4.2.x) with Java HotSpot™ Server VM	
<b>Design and Development Tools</b>	Supports WebLogic Server development tools. For more information about WebLogic Platform design and development tools support, see “ <a href="#">Supported Configurations for Design and Development Tools in Version 7.0 SP7</a> ” in <i>Supported Configurations for WebLogic Platform 7.0</i> .	
<b>RAM</b>	512 MB required; 1 GB recommended	
<b>Disk Space</b>	For any components of WebLogic Platform or for the full WebLogic Platform product, see <a href="#">Disk Space Requirements</a> .	
<b>Performance Pack</b>	Included	
<b>Node Manager</b>	Native	
<b>BEA jDrivers for Oracle</b>	Oracle 9.2.0	The following shared libraries are provided: <ul style="list-style-type: none"> <li>lib/hpux11/oci920_8/libweblogicoci38.sl</li> <li>lib/hpux11/oci920_8/libweblogicoxa38.sl</li> </ul>



## Known Issues

This section provides recommendations and workarounds for the following issues:

- [Maximum Threads Setting](#)
- [Maximum Kernel Setting](#)
- [QuickStart Does Not Invoke Netscape 4.7x](#)
- [Apache Server Hangs If ld and libld.sl Are Obsolete](#)

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* documents supporting WebLogic Platform 7.0, see:

<http://e-docs.bea.com/platform/docs70/interm/relnotes.html>

### Maximum Threads Setting

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

### Maximum Kernel Setting

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 shows recommendations for kernel configuration parameters.

**Table 1-2 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

**Table 1-2 Recommended HP-UX 11.0 Kernel Settings**

Parameter	Old Value	New Value	Description
nproc	276	2068	Maximum number of processes
ncallout	292	2084	Number of pending timeouts

## QuickStart Does Not Invoke Netscape 4.7x

If the `LANG` environment variable is set to `C` on your system (`LANG=C`) and you select Netscape 4.7.x as your browser, then QuickStart may fail to start. To fix this problem, terminate QuickStart, unset the `LANG` environment variable (manually or by using a wrapper function), and restart the QuickStart application.

This problem is reported in CR082062 in the WebLogic Platform *Release Notes* at the following URL:

<http://e-docs.bea.com/platform/docs70/relnotes/relnotes.html>

## Apache Server Hangs If `ld` and `libdld.sl` Are Obsolete

If the Apache server hangs when you are trying to use the BEA Apache plugin `mod_wl_20.so` on an HP-UX platform, then you are probably using an obsolete version of `ld` and/or `libdld.sl`. Apache binaries require the B.11.32 (or higher) version of `ld` and `libdld.sl`.

To determine which version of `ld` is installed on your system, complete the following procedure:

1. Enter: `ld -v`
2. Enter: `what /usr/lib/libdld.sl`

The version numbers of `ld` and `libdld.sl` are displayed.

- If both `ld` and `libdld.sl` have the same version number and that number is 11.32 or higher, then you are using the appropriate versions and you can quit this procedure; you are ready to run the `mod_wl_20.so` plugin.
  - If the version numbers for `ld` and `libdld.sl` do not match, or if the numbers match and that number is lower than 11.32, then you need to install an HP patch. For instructions, proceed to step 3.
3. Determine which patch you need for your system:
    - For an HP-UX 11.00 platform you need PHSS\_26559.

- For an HP-UX 11i (11.11) or higher platform, you need PHSS\_26560.
4. Go to the appropriate IT Resource Center:
    - For the Americas and Asia Pacific: <http://us-support.external.hp.com>
    - For Europe: <http://europe-support.external.hp.com>
  5. Under Maintenance/Support, click Individual Patches.
  6. Scroll down to the following entry:

Retrieve a specific patch by entering the patch name
  7. Enter the patch number in the input field.
- Download and install the patch on your system.

HP-UX 11.0, 11i on PA-RISC with 7.0 SP7

# HP-UX 11.0, 11i on PA-RISC with 7.0 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:

- [Configuration Requirements](#)
- [Known Issues](#)

## Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 7.0 Supported Configurations](#).
- For details about HP-UX 11.0 and 11i on PA-RISC, visit the HP Web site: <http://www.hp.com>.

# Configuration Requirements

Table 2-1 Requirements for 7.0 SP6 on HP-UX 11.0, 11i on PA-RISC

<b>Operating System Version and Patches</b>	HP-UX 11.0, 11i	For information about 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>	PA-RISC (100 MHz)	
<b>SDK</b>	HP-UX SDK 1.3.1.14 (and later releases of 1.3.1.x) with Java HotSpot™ Server VM	
<b>Design and Development Tools</b>	Supports WebLogic Server development tools. For more information about WebLogic Platform design and development tools support, see “Supported Configurations for Design and Development Tools in Version 7.0 SP6” in <i>Supported Configurations for WebLogic Platform 7.0</i> .	
<b>RAM</b>	512 MB required; 1 GB recommended	
<b>Disk Space</b>	For any components of WebLogic Platform or for the full WebLogic Platform product, see <a href="#">Disk Space Requirements</a> .	
<b>Performance Pack</b>	Included	
<b>Node Manager</b>	Native	
<b>BEA jDrivers for Oracle</b>	<b>For this Oracle client version:</b>	<b>The following shared libraries are provided:</b>
	Oracle 8.1.7	<ul style="list-style-type: none"><li>lib/hpux11/oci817_8/libweblogicoci38.sl</li><li>lib/hpux11/oci817_8/libweblogicoxa38.sl</li></ul>
	Oracle 9.2.0	<ul style="list-style-type: none"><li>lib/hpux11/oci920_8/libweblogicoci38.sl</li><li>lib/hpux11/oci920_8/libweblogicoxa38.sl</li></ul>

## Known Issues

This section provides recommendations and workarounds for the following issues:

- [Maximum Threads Setting](#)
- [Maximum Kernel Setting](#)
- [QuickStart Does Not Invoke Netscape 4.7x](#)
- [Apache Server Hangs If ld and libld.sl Are Obsolete](#)

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* documents supporting WebLogic Platform 7.0, see:

<http://e-docs.bea.com/platform/docs70/interm/relnotes.html>

### Maximum Threads Setting

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

### Maximum Kernel Setting

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 shows recommendations for kernel configuration parameters.

**Table 2-2 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

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

Parameter	Old Value	New Value	Description
nproc	276	2068	Maximum number of processes
ncallout	292	2084	Number of pending timeouts

## QuickStart Does Not Invoke Netscape 4.7x

If the `LANG` environment variable is set to `C` on your system (`LANG=C`) and you select Netscape 4.7.x as your browser, then QuickStart may fail to start. To fix this problem, terminate QuickStart, unset the `LANG` environment variable (manually or by using a wrapper function), and restart the QuickStart application.

This problem is reported in CR082062 in the WebLogic Platform *Release Notes* at the following URL:

<http://e-docs.bea.com/platform/docs70/relnotes/relnotes.html>

## Apache Server Hangs If `ld` and `libdld.sl` Are Obsolete

If the Apache server hangs when you are trying to use the BEA Apache plugin `mod_wl_20.so` on an HP-UX platform, then you are probably using an obsolete version of `ld` and/or `libdld.sl`. Apache binaries require the B.11.32 (or higher) version of `ld` and `libdld.sl`.

To determine which version of `ld` is installed on your system, complete the following procedure:

1. Enter: `ld -v`
2. Enter: `what /usr/lib/libdld.sl`

The version numbers of `ld` and `libdld.sl` are displayed.

- If both `ld` and `libdld.sl` have the same version number and that number is 11.32 or higher, then you are using the appropriate versions and you can quit this procedure; you are ready to run the `mod_wl_20.so` plugin.
  - If the version numbers for `ld` and `libdld.sl` do not match, or if the numbers match and that number is lower than 11.32, then you need to install an HP patch. For instructions, proceed to step 3.
3. Determine which patch you need for your system:
    - For an HP-UX 11.00 platform you need PHSS\_26559.



- For an HP-UX 11i (11.11) or higher platform, you need PHSS\_26560.
4. Go to the appropriate IT Resource Center:
    - For the Americas and Asia Pacific: <http://us-support.external.hp.com>
    - For Europe: <http://europe-support.external.hp.com>
  5. Under Maintenance/Support, click Individual Patches.
  6. Scroll down to the following entry:

Retrieve a specific patch by entering the patch name
  7. Enter the patch number in the input field.
- Download and install the patch on your system.

HP-UX 11.0, 11i on PA-RISC with 7.0 SP6

# HP-UX 11.0, 11i on PA-RISC with 7.0 SP5

Product Components Supported on this Configuration

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

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

✓ Supported  
✗ Not supported

This section provides the following information:

- [Configuration Requirements](#)
- [Known Issues](#)

## Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 7.0 Supported Configurations](#).
- For details about HP-UX 11.0 and 11i on PA-RISC, visit the HP Web site: <http://www.hp.com>.

# Configuration Requirements

Table 3-1 Requirements for 7.0 SP5 on HP-UX 11.0, 11i on PA-RISC

<b>Operating System Version and Patches</b>	HP-UX 11.0, 11i	For information about 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>	PA-RISC (100 MHz)	
<b>SDK</b>	HP-UX SDK 1.3.1.12 (and later releases of 1.3.1.x) with Java HotSpot™ Server VM	
<b>Design and Development Tools</b>	Supports WebLogic Server development tools. For more information about WebLogic Platform design and development tools support, see “Supported Configurations for Design and Development Tools in Version 7.0 SP5” in <i>Supported Configurations for WebLogic Platform 7.0</i> .	
<b>RAM</b>	512 MB required; 1 GB recommended	
<b>Disk Space</b>	For any components of WebLogic Platform or for the full WebLogic Platform product, see <a href="#">Disk Space Requirements</a> .	
<b>Performance Pack</b>	Included	
<b>Node Manager</b>	Native	
<b>BEA jDrivers for Oracle</b>	<b>For this Oracle client version:</b>	<b>The following shared libraries are provided:</b>
	Oracle 8.1.7	<ul style="list-style-type: none"><li>lib/hpux11/oci817_8/libweblogicoci38.sl</li><li>lib/hpux11/oci817_8/libweblogicoxa38.sl</li></ul>
	Oracle 9.0.1	<ul style="list-style-type: none"><li>lib/hpux11/oci901_8/libweblogicoci38.sl</li><li>lib/hpux11/oci901_8/libweblogicoxa38.sl</li></ul>
	Oracle 9.2.0	<ul style="list-style-type: none"><li>lib/hpux11/oci920_8/libweblogicoci38.sl</li><li>lib/hpux11/oci920_8/libweblogicoxa38.sl</li></ul>

## Known Issues

This section provides recommendations and workarounds for the following issues:

- [Maximum Threads Setting](#)
- [Maximum Kernel Setting](#)
- [QuickStart Does Not Invoke Netscape 4.7x](#)
- [Apache Server Hangs If ld and libld.sl Are Obsolete](#)

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 7.0, see:

<http://e-docs.bea.com/platform/docs70/interm/relnotes.html>

### Maximum Threads Setting

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

### Maximum Kernel Setting

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 shows recommendations for kernel configuration parameters.

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<code>maxusers</code>	32	256	Influences other parameters
<code>nkthread</code>	499	3635	Number of threads total on the system

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Parameter	Old Value	New Value	Description
nproc	276	2068	Maximum number of processes
ncallout	292	2084	Number of pending timeouts

## QuickStart Does Not Invoke Netscape 4.7x

If the `LANG` environment variable is set to `C` on your system (`LANG=C`) and you select Netscape 4.7.x as your browser, then QuickStart may fail to start. To fix this problem, terminate QuickStart, unset the `LANG` environment variable (manually or by using a wrapper function), and restart the QuickStart application.

This problem is reported in CR082062.

## Apache Server Hangs If `ld` and `libdld.sl` Are Obsolete

If the Apache server hangs when you are trying to use the BEA Apache plugin `mod_wl_20.so` on an HP-UX platform, then you are probably using an obsolete version of `ld` and/or `libdld.sl`. Apache binaries require the B.11.32 (or higher) version of `ld` and `libdld.sl`.

To determine which version of `ld` is installed on your system, complete the following procedure:

1. Enter: `ld -v`
2. Enter: `what /usr/lib/libdld.sl`

The version numbers of `ld` and `libdld.sl` are displayed.

- If both `ld` and `libdld.sl` have the same version number and that number is 11.32 or higher, then you are using the appropriate versions and you can quit this procedure; you are ready to run the `mod_wl_20.so` plugin.
  - If the version numbers for `ld` and `libdld.sl` do not match, or if the numbers match and that number is lower than 11.32, then you need to install an HP patch. For instructions, proceed to step 3.
3. Determine which patch you need for your system:
    - For an HP-UX 11.00 platform you need PHSS\_26559.
    - For an HP-UX 11i (11.11) or higher platform, you need PHSS\_26560.

4. Go to the appropriate IT Resource Center:
    - For the Americas and Asia Pacific: <http://us-support.external.hp.com>
    - For Europe: <http://europe-support.external.hp.com>
  5. Under Maintenance/Support, click Individual Patches.
  6. Scroll down to the following entry:

Retrieve a specific patch by entering the patch name
  7. Enter the patch number in the input field.
- Download and install the patch on your system.

HP-UX 11.0, 11i on PA-RISC with 7.0 SP5



# HP-UX 11.0, 11i on PA-RISC with 7.0 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](#)

## 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 7.0 Supported Configurations](#).
- For details about HP-UX 11.0 and 11i on PA-RISC, visit the HP Web site: <http://www.hp.com>.

# Configuration Requirements

Table 4-1 Requirements for 7.0 SP4 on HP-UX 11.0, 11i on PA-RISC

<b>Operating System Version and Patches</b>	HP-UX 11.0 and 11i	For information about 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>	PA-RISC (100 MHz)	
<b>SDK</b>	HP-UX SDK 1.3.1.09 with Java HotSpot™ Server VM	
<b>Design and Development Tools</b>	Supports WebLogic Server development tools. For more information about WebLogic Platform design and development tools support, see “Supported Configurations for Design and Development Tools in Version 7.0 SP4” in <i>Supported Configurations for WebLogic Platform 7.0</i> .	
<b>RAM</b>	512 MB required; 1 GB recommended	
<b>Disk Space</b>	For any components of WebLogic Platform or for the full WebLogic Platform product, see <a href="#">Disk Space Requirements</a> .	
<b>Performance Pack</b>	Included	
<b>Node Manager</b>	Native	
<b>BEA jDrivers for Oracle</b>	<b>For this Oracle client version:</b>	<b>The following shared libraries are provided:</b>
	Oracle 8.1.7	<ul style="list-style-type: none"><li>lib/hpux11/oci817_8/libweblogicoci38.sl</li><li>lib/hpux11/oci817_8/libweblogicoxa38.sl</li></ul>
	Oracle 9.0.1	<ul style="list-style-type: none"><li>lib/hpux11/oci901_8/libweblogicoci38.sl</li><li>lib/hpux11/oci901_8/libweblogicoxa38.sl</li></ul>
	Oracle 9.2.0	<ul style="list-style-type: none"><li>lib/hpux11/oci920_8/libweblogicoci38.sl</li><li>lib/hpux11/oci920_8/libweblogicoxa38.sl</li></ul>

## Known Issues

This section provides recommendations and workarounds for the following issues:

- [Maximum Threads Setting](#)
- [Maximum Kernel Setting](#)
- [QuickStart Does Not Invoke Netscape 4.7x](#)
- [Apache Server Hangs If ld and libld.sl Are Obsolete](#)

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 7.0, see:

<http://e-docs.bea.com/platform/docs70/interm/relnotes.html>

### Maximum Threads Setting

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

### Maximum Kernel Setting

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 shows recommendations for kernel configuration parameters.

**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	Number of threads total on the system

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

Parameter	Old Value	New Value	Description
nproc	276	2068	Maximum number of processes
ncallout	292	2084	Number of pending timeouts

## QuickStart Does Not Invoke Netscape 4.7x

If the `LANG` environment variable is set to `C` on your system (`LANG=C`) and you select Netscape 4.7.x as your browser, then QuickStart may fail to start. To fix this problem, terminate QuickStart, unset the `LANG` environment variable (manually or by using a wrapper function), and restart the QuickStart application.

This problem is reported in CR082062.

## Apache Server Hangs If `ld` and `libdld.sl` Are Obsolete

If the Apache server hangs when you are trying to use the BEA Apache plugin `mod_wl_20.so` on an HP-UX platform, then you are probably using an obsolete version of `ld` and/or `libdld.sl`. Apache binaries require the B.11.32 (or higher) version of `ld` and `libdld.sl`.

To determine which version of `ld` is installed on your system, complete the following procedure:

1. Enter: `ld -v`
2. Enter: `what /usr/lib/libdld.sl`

The version numbers of `ld` and `libdld.sl` are displayed.

- If both `ld` and `libdld.sl` have the same version number and that number is 11.32 or higher, then you are using the appropriate versions and you can quit this procedure; you are ready to run the `mod_wl_20.so` plugin.
  - If the version numbers for `ld` and `libdld.sl` do not match, or if the numbers match and that number is lower than 11.32, then you need to install an HP patch. For instructions, proceed to step 3.
3. Determine which patch you need for your system:
    - For an HP-UX 11.00 platform you need PHSS\_26559.
    - For an HP-UX 11i (11.11) or higher platform, you need PHSS\_26560.

4. Go to the appropriate IT Resource Center:
    - For the Americas and Asia Pacific: <http://us-support.external.hp.com>
    - For Europe: <http://europe-support.external.hp.com>
  5. Under Maintenance/Support, click Individual Patches.
  6. Scroll down to the following entry:

Retrieve a specific patch by entering the patch name
  7. Enter the patch number in the input field.
- Download and install the patch on your system.

HP-UX 11.0, 11i on PA-RISC with 7.0 SP4

# HP-UX 11.0, 11i on PA-RISC with WebLogic Server 7.0 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](#)

## 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 7.0 Supported Configurations](#).
- For details about HP-UX 11.0 and 11i on PA-RISC, visit the HP Web site: <http://www.hp.com>.

# Configuration Requirements

Table 5-1 Requirements for 7.0 SP3 on HP-UX 11.0, 11i on PA-RISC

<b>Operating System Version and Patches</b>	HP-UX 11.0 and 11i	For more information about 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>	PA-RISC (100 MHz)	
<b>SDK</b>	HP-UX SDK 1.3.1.09 with Java HotSpot™ Server VM	
<b>Design and Development Tools</b>	Supports WebLogic Server development tools. The WebLogic Workshop IDE is not supported on this platform.	
<b>RAM</b>	512 MB required; 1 GB recommended	
<b>Disk Space</b>	For any components of WebLogic Platform or for the full WebLogic Platform product, see <a href="#">Disk Space Requirements</a> .	
<b>Performance Pack</b>	Included	
<b>Node Manager</b>	Native	
<b>BEA jDrivers for Oracle</b>	<b>For this Oracle client version:</b>	<b>The following shared libraries are provided:</b>
	Oracle 8.1.7	<ul style="list-style-type: none"><li>lib/hpux11/oci817_8/libweblogicoci38.sl</li><li>lib/hpux11/oci817_8/libweblogicoxa38.sl</li></ul>
	Oracle 9.0.1	<ul style="list-style-type: none"><li>lib/hpux11/oci901_8/libweblogicoci38.sl</li><li>lib/hpux11/oci901_8/libweblogicoxa38.sl</li></ul>
	Oracle 9.2.0	<ul style="list-style-type: none"><li>lib/hpux11/oci920_8/libweblogicoci38.sl</li><li>lib/hpux11/oci920_8/libweblogicoxa38.sl</li></ul>



## Known Issues

This section provides recommendations and workarounds for the following issues:

- [Maximum Threads Setting](#)
- [Maximum Kernel Setting](#)
- [QuickStart Does Not Invoke Netscape 4.7x](#)
- [Apache Server Hangs If ld and libld.sl Are Obsolete](#)

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 7.0, see:

<http://e-docs.bea.com/platform/docs70/interm/relnotes.html>

### Maximum Threads Setting

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

### Maximum Kernel Setting

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 shows recommendations for kernel configuration parameters.

**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

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

Parameter	Old Value	New Value	Description
nproc	276	2068	Maximum number of processes
ncallout	292	2084	Number of pending timeouts

## QuickStart Does Not Invoke Netscape 4.7x

If the `LANG` environment variable is set to `C` on your system (`LANG=C`) and you select Netscape 4.7.x as your browser, then QuickStart may fail to start. To fix this problem, terminate QuickStart, unset the `LANG` environment variable (manually or by using a wrapper function), and restart the QuickStart application.

This problem is reported in CR082062.

## Apache Server Hangs If `ld` and `libdld.sl` Are Obsolete

If the Apache server hangs when you are trying to use the BEA Apache plugin `mod_wl_20.so` on an HP-UX platform, then you are probably using an obsolete version of `ld` and/or `libdld.sl`. Apache binaries require the B.11.32 (or higher) version of `ld` and `libdld.sl`.

To determine which version of `ld` is installed on your system, complete the following procedure:

1. Enter: `ld -v`
2. Enter: `what /usr/lib/libdld.sl`

The version numbers of `ld` and `libdld.sl` are displayed.

- If both `ld` and `libdld.sl` have the same version number and that number is 11.32 or higher, then you are using the appropriate versions and you can quit this procedure; you are ready to run the `mod_wl_20.so` plugin.
  - If the version numbers for `ld` and `libdld.sl` do not match, or if the numbers match and that number is lower than 11.32, then you need to install an HP patch. For instructions, proceed to step 3.
3. Determine which patch you need for your system:
    - For an HP-UX 11.00 platform you need PHSS\_26559.
    - For an HP-UX 11i (11.11) or higher platform, you need PHSS\_26560.

4. Go to the appropriate IT Resource Center:
  - For the Americas and Asia Pacific: <http://us-support.external.hp.com>
  - For Europe: <http://europe-support.external.hp.com>
5. Under Maintenance/Support, click Individual Patches.
6. Scroll down to the following entry:

Retrieve a specific patch by entering the patch name
7. Enter the patch number in the input field.
8. Download and install the patch on your system.

HP-UX 11.0, 11i on PA-RISC with WebLogic Server 7.0 SP3

# HP-UX 11.0, 11i on PA-RISC with 7.0 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](#)

## 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 7.0 Supported Configurations](#).
- For details about HP-UX 11.0 and 11i on PA-RISC, visit the HP Web site: <http://www.hp.com>.

# Configuration Requirements

Table 6-1 Requirements for 7.0 SP2 on HP-UX 11.0, 11i on PA-RISC

<b>Operating System Version and Patches</b>	HP-UX 11.0 and 11i	For information about 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>	PA-RISC (100 MHz)	
<b>SDK</b>	HP-UX SDK 1.3.1.08 with Java HotSpot™ Server VM	This SDK is bundled with WebLogic Platform 7.0 SP2 and installed, automatically, under the BEA Home directory.
<b>Design and Development Tools</b>	Supports WebLogic Server development tools. For more information about WebLogic Platform design and development tools support, see “Supported Configurations for Design and Development Tools in Version 7.0 SP2” in <i>Supported Configurations for WebLogic Platform 7.0</i> .	
<b>RAM</b>	512 MB required; 1 GB recommended	
<b>Disk Space</b>	For any components of WebLogic Platform or for the full WebLogic Platform product, see <a href="#">Disk Space Requirements</a> .	
<b>Performance Pack</b>	Included	
<b>Node Manager</b>	Native	
<b>BEA jDrivers for Oracle</b>	<b>For this Oracle client version:</b>	<b>The following shared libraries are provided:</b>
	Oracle 8.1.7	<ul style="list-style-type: none"><li>lib/hpux11/oci817_8/libweblogicoci38.sl</li><li>lib/hpux11/oci817_8/libweblogicoxa38.sl</li></ul>
	Oracle 9.0.1	<ul style="list-style-type: none"><li>lib/hpux11/oci901_8/libweblogicoci38.sl</li><li>lib/hpux11/oci901_8/libweblogicoxa38.sl</li></ul>
	Oracle 9.2.0	<ul style="list-style-type: none"><li>lib/hpux11/oci920_8/libweblogicoci38.sl</li><li>lib/hpux11/oci920_8/libweblogicoxa38.sl</li></ul>

## Known Issues

This section provides recommendations and workarounds for the following issues:

- [Maximum Threads Setting](#)
- [Maximum Kernel Setting](#)
- [QuickStart Does Not Invoke Netscape 4.7x](#)
- [Apache Server Hangs If ld and libld.sl Are Obsolete](#)

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 7.0, see:

<http://e-docs.bea.com/platform/docs70/interm/relnotes.html>

### Maximum Threads Setting

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

### Maximum Kernel Setting

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 shows recommendations for kernel configuration parameters.

**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

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

Parameter	Old Value	New Value	Description
nproc	276	2068	Maximum number of processes
ncallout	292	2084	Number of pending timeouts

## QuickStart Does Not Invoke Netscape 4.7x

If the `LANG` environment variable is set to `C` on your system (`LANG=C`) and you select Netscape 4.7.x as your browser, then QuickStart may fail to start. To fix this problem, terminate QuickStart, unset the `LANG` environment variable (manually or by using a wrapper function), and restart the QuickStart application.

This problem is reported in CR082062.

## Apache Server Hangs If `ld` and `libdld.sl` Are Obsolete

If the Apache server hangs when you are trying to use the BEA Apache plugin `mod_wl_20.so` on an HP-UX platform, then you are probably using an obsolete version of `ld` and/or `libdld.sl`. Apache binaries require the B.11.32 (or higher) version of `ld` and `libdld.sl`.

To determine which version of `ld` is installed on your system, complete the following procedure:

1. Enter: `ld -v`
2. Enter: `what /usr/lib/libdld.sl`

The version numbers of `ld` and `libdld.sl` are displayed.

- If both `ld` and `libdld.sl` have the same version number and that number is 11.32 or higher, then you are using the appropriate versions and you can quit this procedure; you are ready to run the `mod_wl_20.so` plugin.
  - If the version numbers for `ld` and `libdld.sl` do not match, or if the numbers match and that number is lower than 11.32, then you need to install an HP patch. For instructions, proceed to step 3.
3. Determine which patch you need for your system:
    - For an HP-UX 11.00 platform you need PHSS\_26559.
    - For an HP-UX 11i (11.11) or higher platform, you need PHSS\_26560.



4. Go to the appropriate IT Resource Center:
  - For the Americas and Asia Pacific: <http://us-support.external.hp.com>
  - For Europe: <http://europe-support.external.hp.com>
5. Under Maintenance/Support, click Individual Patches.
6. Scroll down to the following entry:

Retrieve a specific patch by entering the patch name
7. Enter the patch number in the input field.
8. Download and install the patch on your system.

HP-UX 11.0, 11i on PA-RISC with 7.0 SP2

# HP-UX 11.0, 11i on PA-RISC with 7.0 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](#)

## 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 7.0 Supported Configurations](#).
- For details about HP-UX 11.0 and 11i on PA-RISC, visit the HP Web site: <http://www.hp.com>.

# Configuration Requirements

Table 7-1 Requirements for 7.0 SP1 on HP-UX 11.0, 11i on PA-RISC

<b>Operating System Version and Patches</b>	<ul style="list-style-type: none"><li>• HP-UX 11.0</li><li>• HP-UX 11i with the latest Gold patches from HP. To obtain these patches, visit: <a href="http://www.hp.com/products1/unix/java/patches/index.html">http://www.hp.com/products1/unix/java/patches/index.html</a></li></ul>	
<b>Chip Architecture and Minimum Processor Speed</b>	PA-RISC (100 MHz)	
<b>SDK</b>	HP-UX SDK 1.3.1.05 with Java HotSpot™ Server VM	<ul style="list-style-type: none"><li>• WebLogic Platform supports HP-UX SDK 1.3.1.05 through 1.3.1.09.</li><li>• WebLogic Integration and WebLogic Portal are configured to use the Sun Java 2 SDK 1.3.1 with the Java HotSpot™ Server VM.</li><li>• The name of this SDK is HP-UX SDK 1.3.1.05. It has been labeled 1.3.1.03, however, by the authors of the WebLogic Platform HP-UX installer.</li></ul>
<b>Design and Development Tools</b>	Supports WebLogic Server development tools. For more information about WebLogic Platform design and development tools support, see “Supported Configurations for Design and Development Tools in Version 7.0 SP1” in <i>Supported Configurations for WebLogic Platform 7.0</i> .	
<b>RAM</b>	512 MB required; 1 GB recommended	
<b>Disk Space</b>	For any components of WebLogic Platform or for the full WebLogic Platform product, see <a href="#">Disk Space Requirements</a> .	
<b>Performance Pack</b>	Included	
<b>Node Manager</b>	Native	

**Table 7-1 Requirements for 7.0 SP1 on HP-UX 11.0, 11i on PA-RISC**

<b>BEA jDrivers for Oracle</b>	<b>For this Oracle client version:</b>	<b>The following shared libraries are provided:</b>
	Oracle 8.1.7	<ul style="list-style-type: none"> <li>lib/hpux11/oci817_8/libweblogicoci38.sl</li> <li>lib/hpux11/oci817_8/libweblogicoxa38.sl</li> </ul>
	Oracle 9.0.1	<ul style="list-style-type: none"> <li>lib/hpux11/oci901_8/libweblogicoci38.sl</li> <li>lib/hpux11/oci901_8/libweblogicoxa38.sl</li> </ul>
	Oracle 9.2.0	<ul style="list-style-type: none"> <li>lib/hpux11/oci920_8/libweblogicoci38.sl</li> <li>lib/hpux11/oci920_8/libweblogicoxa38.sl</li> </ul>
	Supported only for WebLogic Platform 7.0 SP1 and higher service packs.	

## Known Issues

This section provides recommendations and workarounds for the following issues:

- [Maximum Threads Setting](#)
- [Maximum Kernel Setting](#)
- [QuickStart Does Not Invoke Netscape 4.7x](#)
- [Apache Server Hangs If ld and libld.sl Are Obsolete](#)

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 7.0, see:

<http://e-docs.bea.com/platform/docs70/interm/relnotes.html>

## Maximum Threads Setting

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

# Maximum Kernel Setting

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 shows recommendations for kernel configuration parameters.

**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

# QuickStart Does Not Invoke Netscape 4.7x

If the `LANG` environment variable is set to `C` on your system (`LANG=C`) and you select Netscape 4.7.x as your browser, then QuickStart may fail to start. To fix this problem, terminate QuickStart, unset the `LANG` environment variable (manually or by using a wrapper function), and restart the QuickStart application.

This problem is reported in CR082062.

# Apache Server Hangs If ld and libdld.sl Are Obsolete

If the Apache server hangs when you are trying to use the BEA Apache plugin `mod_wl_20.so` on an HP-UX platform, then you are probably using an obsolete version of `ld` and/or `libdld.sl`. Apache binaries require the B.11.32 (or higher) version of `ld` and `libdld.sl`.

To determine which version of `ld` is installed on your system, complete the following procedure:

1. Enter: `ld -v`
2. Enter: `what /usr/lib/libdld.sl`

The version numbers of `ld` and `libld.sl` are displayed.

- If both `ld` and `libld.sl` have the same version number and that number is 11.32 or higher, then you are using the appropriate versions and you can quit this procedure; you are ready to run the `mod_wl_20.so` plugin.
  - If the version numbers for `ld` and `libld.sl` do not match, or if the numbers match and that number is lower than 11.32, then you need to install an HP patch. For instructions, proceed to step 3.
3. Determine which patch you need for your system:
    - For an HP-UX 11.00 platform you need PHSS\_26559.
    - For an HP-UX 11i (11.11) or higher platform, you need PHSS\_26560.
  4. Go to the appropriate IT Resource Center:
    - For the Americas and Asia Pacific: <http://us-support.external.hp.com>
    - For Europe: <http://europe-support.external.hp.com>
  5. Under Maintenance/Support, click Individual Patches.
  6. Scroll down to the following entry:

Retrieve a specific patch by entering the patch name
  7. Enter the patch number in the input field.
  8. Download and install the patch on your system.

HP-UX 11.0, 11i on PA-RISC with 7.0 SP1



# HP-UX 11.0, 11i on PA-RISC with WebLogic Platform 7.0

**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

**Note:** The version of WebLogic Server included with WebLogic Platform 7.0 GA is version 7.0.0.1. It contains updates to the WebLogic Server 7.0 GA version (7.0.0.0). Support information that applies only to WebLogic Server 7.0 GA is identified below.

This section provides the following information:

- [Configuration Requirements](#)
- [Known Issues](#)

## Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 7.0 Supported Configurations](#).
- For details about HP-UX 11.0 and 11i on PA-RISC, visit the HP Web site:  
<http://www.hp.com>.

# Configuration Requirements

Table 8-1 Requirements for WebLogic Platform 7.0 on HP-UX 11.0, 11i on PA-RISC

<b>Operating System Version and Patches</b>	<ul style="list-style-type: none"><li>• HP-UX 11.0</li><li>• HP-UX 11i with the latest Gold patches from HP. To obtain these patches, visit: <a href="http://www.hp.com/products1/unix/java/patches/index.html">http://www.hp.com/products1/unix/java/patches/index.html</a></li></ul>	
<b>Chip Architecture and Minimum Processor Speed</b>	PA-RISC (100 MHz)	
<b>SDK</b>	HP-UX SDK 1.3.1.03 with Java HotSpot™ Server VM	<ul style="list-style-type: none"><li>• HP-UX SDK 1.3.1.03 is bundled with WebLogic Platform and is installed, automatically, under the BEA Home directory.</li><li>• WebLogic Platform 7.0 supports 1.3.1.03 through 1.3.1.09.</li></ul>
	HP-UX SDK 1.3.1.02 with Java HotSpot™ Server VM	Supported on WebLogic Server 7.0 GA only.
<b>Design and Development Tools</b>	Supports WebLogic Server development tools. For more information about WebLogic Platform design and development tools support, see “Supported Configurations for Design and Development Tools in Version 7.0 SP1” in <i>Supported Configurations for WebLogic Platform 7.0</i> .	
<b>RAM</b>	512 MB required; 1 GB recommended	
<b>Disk Space</b>	For any components of WebLogic Platform or for the full WebLogic Platform product, see <a href="#">Disk Space Requirements</a> .	
<b>Performance Pack</b>	Included	
<b>Node Manager</b>	Native	

**Table 8-1 Requirements for WebLogic Platform 7.0 on HP-UX 11.0, 11i on PA-RISC**

BEA jDrivers for Oracle	For this Oracle client version:	The following shared libraries are provided:
	Oracle 8.1.7	<ul style="list-style-type: none"> <li>lib/hpux11/oci817_8/libweblogicoci38.sl</li> <li>lib/hpux11/oci817_8/libweblogicoxa38.sl</li> </ul>
	Oracle 9.0.1	<ul style="list-style-type: none"> <li>lib/hpux11/oci901_8/libweblogicoci38.sl</li> <li>lib/hpux11/oci901_8/libweblogicoxa38.sl</li> </ul>
	Oracle 9.2.0	<ul style="list-style-type: none"> <li>lib/hpux11/oci920_8/libweblogicoci38.sl</li> <li>lib/hpux11/oci920_8/libweblogicoxa38.sl</li> </ul>

## Known Issues

This section provides recommendations and workarounds for the following issues:

- [Maximum Threads Setting](#)
- [Maximum Kernel Setting](#)
- [QuickStart Does Not Invoke Netscape 4.7x](#)
- [Apache Server Hangs If ld and libld.sl Are Obsolete](#)

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 7.0, see:

<http://e-docs.bea.com/platform/docs70/interm/relnotes.html>

### Maximum Threads Setting

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

### Maximum Kernel Setting

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 shows recommendations for kernel configuration parameters.

**Table 8-2 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

## QuickStart Does Not Invoke Netscape 4.7x

If the `LANG` environment variable is set to `C` on your system (`LANG=C`) and you select Netscape 4.7.x as your browser, then QuickStart may fail to start. To fix this problem, terminate QuickStart, unset the `LANG` environment variable (manually or by using a wrapper function), and restart the QuickStart application.

This problem is reported in CR082062.

## Apache Server Hangs If `ld` and `libdld.sl` Are Obsolete

If the Apache server hangs when you are trying to use the BEA Apache plugin `mod_wl_20.so` on an HP-UX platform, then you are probably using an obsolete version of `ld` and/or `libdld.sl`. Apache binaries require the B.11.32 (or higher) version of `ld` and `libdld.sl`.

To determine which version of `ld` is installed on your system, complete the following procedure:

1. Enter: `ld -v`
2. Enter: `what /usr/lib/libdld.sl`

The version numbers of `ld` and `libdld.sl` are displayed.

- If both `ld` and `libdld.sl` have the same version number and that number is 11.32 or higher, then you are using the appropriate versions and you can quit this procedure; you are ready to run the `mod_wl_20.so` plugin.

- If the version numbers for `ld` and `libld.sl` do not match, or if the numbers match and that number is lower than 11.32, then you need to install an HP patch. For instructions, proceed to step 3.
3. Determine which patch you need for your system:
    - For an HP-UX 11.00 platform you need PHSS\_26559.
    - For an HP-UX 11i (11.11) or higher platform, you need PHSS\_26560.
  4. Go to the appropriate IT Resource Center:
    - For the Americas and Asia Pacific: <http://us-support.external.hp.com>
    - For Europe: <http://europe-support.external.hp.com>
  5. Under Maintenance/Support, click Individual Patches.
  6. Scroll down to the following entry:

Retrieve a specific patch by entering the patch name
  7. Enter the patch number in the input field.
  8. Download and install the patch on your system.

HP-UX 11.0, 11i on PA-RISC with WebLogic Platform 7.0