BEA WebLogic Platform™

7.0 Supported Configurations: HP-UX 11i v2 on PA-RISC

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CHAPTER 1

HP-UX 11i v2 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 11i v2 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 11i v2 on PA-RISC

Operating System Version and Patches	HP-UX 11i v2	For information about HP-UX patches for Java, see `http://www.hp.com/products1/unix/java/patches/index.html`.
Chip Architecture and Minimum Processor Speed	PA-RISC (100 MHz)	
SDK	HP-UX SDK 1.4.2.10 (and later releases of 1.4.2.x) with Java HotSpot™ Server VM	
Design and Development Tools	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 SP7" in *Supported Configurations for WebLogic Platform 7.0*.	
RAM	512 MB required; 1 GB recommended	
Disk Space	For any components of WebLogic Platform or for the full WebLogic Platform product, see Disk Space Requirements.	
Performance Pack	Included	
Node Manager	Native	
BEA jDrivers for Oracle	Oracle 9.2.0	The following shared libraries are provided: • lib/hpux11/oci920_8/libweblogicoci38.sl • lib/hpux11/oci920_8/libweblogicoxa38.sl

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 libdld.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
`max_thread_proc`	64	1024	Maximum threads per process
`maxfiles`	60	256	Soft file limit per process
`maxusers`	32	256	Influences other parameters
`nkthread`	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.