BEA WebLogic Platform™

7.0 Supported Configurations: HP Tru64 UNIX 5.1 on Alpha

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CHAPTER 1

HP Tru64 UNIX 5.1 on Alpha with WebLogic Server 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 Alpha and HP Tru64 UNIX (formerly Compaq Tru64 UNIX), see the HP Tru64 UNIX Web site.

Configuration Requirements

Table 1-1 Requirements for WebLogic Server 7.0 SP1 on HP Tru64 UNIX 5.1 on Alpha

Operating System Version and Patches	Tru64 UNIX V5.1A, V5.1B; no patches required	
Chip Architecture and Minimum Processor Speed	Alpha EV6 (500 MHz)	
SDK	JDK 1.3.1-5 Java™ 2 Runtime Environment, Standard Edition Fast VM (build 1.3.1-5, native threads, mixed mode, precompiled rt.jar, 12/16/2002-19:04)	
Design and Development Tools	Supports WebLogic Server development tools.	
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.	`lib/tru64unix/libmuxer.so`
Node Manager	Included.	`lib/tru64unix/libNodeManager.so`
BEA jDrivers for Oracle	**For this Oracle client version:**	**The following shared libraries are provided:**
	Oracle Server 8.1.7	• `lib/tru64unix/oci817_8/libweblogicoci38.so` • `lib/tru64unix/oci817_8/libweblogicoxa38.so`
	Oracle Server 9.2.0	• `lib/tru64unix/oci920_8/libweblogicoci38.so` • `lib/tru64unix/oci920_8/libweblogicoxa38.so`

Known Issues

This section describes a known limitation with running a WebLogic Driver for Oracle with an Oracle Server and associated Oracle Call Interface on an HP Tru64 UNIX V5.1 configuration. For a detailed description and workaround, see "Oracle Usage Problem."

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`

Oracle Usage Problem

This section describes a problem that occurs if you use the WebLogic Driver for Oracle with the Oracle8i Server - Enterprise Edition 8.1.7 and the corresponding Oracle Call Interface (OCI).

Note: This problem occurs only in Oracle 8.1.7; it is fixed in Oracle 9i.

When the `genclntsh.sh` script builds the client shared library, `libclntsh.so`, it refers to a list in `$ORACLE_HOME/rdbms/admin/shrept.lst` to determine which functions must be included in the library. The list, however, does not include every function in the RDBMS that can be called directly by user code. One of the functions that is omitted is `OCILobLocatorAssign`. As a result, when WebLogic Server tries to invoke the `OCILobLocatorAssign`, the latter is not resolved.

To work around this problem, complete the following procedure:

1. Log in to your Oracle account:

   ```
   su - oracle
   ```

2. In a text editor, open the following file:

   ```
   $ORACLE_HOME/rdbms/admin/shrept.lst
   ```

3. Add the following line:

   ```
   rdbms:OCILobLocatorAssign
   ```

4. (optional) Add the names of any other missing functions needed by applications, other than WebLogic Server 7.0, that you want to execute.

   Note: The `OCILobLocatorAssign` function is not the only missing function that WebLogic Server 7.0 should be able to call, but it is the only missing function that WebLogic Server 7.0 requires. Other functions that WebLogic Server should be able to call, such

as `OCIEnvCreate` and `OCIerminate`, are also missing. If these functions are required by other applications that you plan to run, you must add them to your environment by specifying them, too, in `$ORACLE_HOME/rdbms/admin/shrept.lst`.

5. Rebuild the shared client library:

```
$ cd $ORACLE_HOME/rdbms/lib
$ make -f ins_rdbms.mk client_sharedlib
```

The `make` command updates the following files in `/opt/oracle/product/8.1.7/lib`:

- `clntsh.map`
- `ldap.def libclntsh.so`
- `libclntsh.so.8.0 libclntst8.a`
- `network.def`
- `plsql.def`
- `precomp.def`
- `rdbms.def`

Because `OCILobLocatorAssign` is now visible in `libclntsh.so`, WebLogic Server can call it.