BEA WebLogic Platform™

Release Notes

Version 7.0 Service Pack 6
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BEA WebLogic Platform 7.0 Release Notes

BEA WebLogic Platform Release: 7.0 Service Pack 6
Date: March 2005

This document includes the following topics:

For updated release note information, go to the BEA documentation Web site at the following URL:

http://e-docs.bea.com

About BEA WebLogic Platform

BEA WebLogic Platform merges all the features of the existing BEA WebLogic products—application server, development, portal, and integration—into a highly integrated solution. This integrated solution combines the benefits of a common application infrastructure with an easy-to-use, robust framework.

Terminology Used in This Document

The following two substitutable strings are used throughout this document, in pathnames:

- *BEA_HOME* represents the directory that serves as a repository for files used by multiple BEA products installed on the same machine, such as license files. A typical value for *BEA_HOME* is `c:\bea`, but you can designate any directory as *BEA_HOME*.
- *WL_HOME* represents the directory in which WebLogic Platform software is installed. By default, it is located under *BEA_HOME*. A typical default pathname is `c:\bea\weblogic700`, but you can situate *WL_HOME* in any directory.

What's New in BEA WebLogic Platform 7.0 Service Pack 6

BEA WebLogic Platform 7.0 Service Pack 6 (SP6) incorporates maintenance updates for all WebLogic Platform 7.0 components (WebLogic Server, WebLogic Workshop, WebLogic Integration, WebLogic Portal, and WebLogic JRockit). WebLogic Platform 7.0 SP6 can be used to update all WebLogic Platform 7.0 components.

WebLogic Platform 7.0 SP6 also includes the following updates:

- The WebLogic Server Administration Console has added the Servlet Extension Case Sensitive attribute to server and cluster configurations. In addition, the Web App Files Case Insensitive attribute has been added to security domain configuration.

  For more information, see "What's New in WebLogic Server 7.0 SP6?" in the *WebLogic Server Release Notes* at the following URL:

  http://e-docs.bea.com/wls/docs70/notes/new.html

- WebLogic JRockit includes several changes to the set of system properties. WebLogic JRockit continues to support all system properties available from Sun. For more

information, see "Changes in Service Pack 6" in the *WebLogic JRockit 7.0 SDK Release Notes* at the following URL:

http://e-docs.bea.com/wljrockit/docs70/relnotes/relnotes.html

For a complete list of the features that are new in previous WebLogic Platform 7.0.*x* releases, see the What's New page at the following URL:

http://e-docs.bea.com/platform/docs70/interm/whatsnew.html

Platform Support and System Requirements

Information about platforms supported by WebLogic Platform, including hardware and software requirements, is provided in *Supported Configurations for WebLogic Platform 7.0* at the following URL:

http://e-docs.bea.com/platform/suppconfigs/configs70/70_over/overview.html

Note: Because Red Hat stopped supporting Linux 7.2 on December 31, 2003, BEA also ended support at that time. We recommend that you upgrade to Red Hat Enterprise Linux and WebLogic JRockit.

General product installation instructions for all supported platform configurations are provided in *Installing WebLogic Platform* at the following URL:

http://e-docs.bea.com/platform/docs70/install/index.html

For special installation procedures, such as for IBM AIX and SuSE Linux platforms, see "Installation Instructions For Your Platform" in the *Supported Configuration for WebLogic Platform 7.0* at the following URL:

http://e-docs.bea.com/platform/suppconfigs/configs70/70_over/install_info.html

Special Installation Instructions

Special installation instructions are required for some operating system configurations. For WebLogic Platform 7.0, special installation and usage instructions are required for the following operating systems:

- IBM AIX 4.3.3, 5.1, 5.2, and 5.3
- SuSE Linux Enterprise Server 7 and 8 on IBM zSeries/S390

These installation instructions are now provided in *Supported Configurations for WebLogic Platform 7.0* at the following URL:

`http://e-docs.bea.com/platform/suppconfigs/configs70/70_over/install_info.html`

Using WebLogic Platform with the WebLogic JRockit SDK

Please review the following usage notes pertaining to the WebLogic JRockit SDK:

- If you would like to switch your Sun JVM to use WebLogic JRockit, use the procedure described in "Switching JVMs in WebLogic Platform" on page 4.
- If you are running an earlier 7.0.*x* release of WebLogic Platform with the WebLogic JRockit SDK, you can now use the available upgrade installer to upgrade your WebLogic Platform installation. (In earlier 7.0.x releases, you were required to use the full WebLogic Platform installer.) For more information about upgrading your installation, see "Installing Service Packs and Rolling Patches" in *Installing WebLogic Platform* at the following URL:

  `http://e-docs.bea.com/platform/docs70/install/update.html`
- For a description of the limitations on support, see "Limitations on WebLogic JRockit SDK Support" on page 68.

Switching JVMs in WebLogic Platform

The following instructions are provided for users who have already installed WebLogic Platform 7.0 SP6, and want to switch to a different JVM. Follow these instructions if you want to switch from the bundled Sun JVM to WebLogic JRockit, or vice versa, or switch to a non-bundled Sun JVM.

Note: To facilitate any future installation upgrades, this procedure is recommended when updating your installation to use a non-bundled JVM with WebLogic Platform.

Depending on the installer you choose, WebLogic Platform 7.0 SP6 is bundled with one of the following JVMs: Sun Java 2 SDK (`jdk131_14`) or WebLogic JRockit SDK (`jrockit70sp6_131_14`).

1. Move the *`BEA_HOME`*`/jdk131_14` (Sun) or *`BEA_HOME`*`/jrockit70sp6_131_14` (WebLogic JRockit) directory to a backup location.
2. Download and install the new JVM as follows:
   - If you are installing WebLogic JRockit or the Sun Java 2 SDK that is bundled with WebLogic Platform 7.0, install the JVM into *`BEA_HOME`*.

– If you are installing a non-bundled Sun JVM, first install that JVM into a directory outside *BEA_HOME*. Then copy that JVM directory into a directory in *BEA_HOME* that matches the directory name that you backed up in step 1.

3. If you are using a different JVM vendor than that which was bundled with the installation, you must verify that the COMM_JAVA_VENDOR environment variable is set to Sun if you are using a Sun JVM, or BEA if you are using a WebLogic JRockit JVM. The COMM_JAVA_VENDOR environment variable is located in the commEnv file in one of the following directories:

   BEA_HOME\weblogic700\common\bin\commEnv.cmd (Windows)
   BEA_HOME/weblogic700/common/bin/commEnv.sh (Unix)

Note: The E-Business Control Center is not supported with WebLogic JRockit. If you are switching from a Sun SDK to WebLogic JRockit **and** you are planning to use the E-Business Control Center, you must also modify the -jdkhome line in the file *BEA_HOME*\weblogic700\ebcc\bin\ide.cfg so it points to the Sun Java 2 SDK 1.3.1_14 installation in the backup location in which you saved the SDK directory in step 1.

Migrating Domains Created Using the Configuration Wizard

The Configuration Wizard is a WebLogic Platform tool that allows you to create new domains quickly and easily. When you upgrade your WebLogic Platform 7.0 installation to a new 7.0 service pack (SP) release, you must migrate all domains that were created using the Configuration Wizard in order to use them in the new 7.0 SP release. This section provides instructions that apply to the following WebLogic Platform installations: 7.0 GA, 7.0 SP1, 7.0 SP2, 7.0 SP4, 7.0 SP5, and 7.0 SP6.

Notes: If you have not yet upgraded WebLogic Platform to the desired 7.0 SP release, do so now, and then return to this section once the installation is complete. For installation instructions, see "Installing Service Packs and Rolling Patches" in *Installing WebLogic Platform* at the following URL:

http://e-docs.bea.com/platform/docs70/install/update.html

Ensure that a domain was run successfully in the previous 7.0.*x* releases before migrating it to the new release.

The migration process consists of the following steps:

1. Running the Migration Script

You need to run the migration script to upgrade the product JAR files in the domain directory.

2. Performing Manual Steps for Completing a Migration

   You need to manually update specific files within the domain.

3. Updating Scripts and Configuration Files on New (Not Upgraded) Installations

   This step is required only if you have installed WebLogic Platform in a directory other than the *BEA_HOME* directory. If you have *upgraded* an existing WebLogic Platform 7.0 installation, you can skip this step. This step involves updating the *BEA_HOME* environment variable in the domain startup scripts (such as `startWebLogic`) and configuration files (such as `config.xml`), and in any custom scripts that you have created.

These steps are explained in detail in the following sections. You will need to repeat this process for *each* domain that you want to migrate.

Note: The instructions apply regardless of whether the Sun Java 2 SDK or the WebLogic JRockit SDK is being run.

Running the Migration Script

The first step in migrating an existing domain that you created using the Configuration Wizard is to run the migration script to upgrade the product JAR files for that domain. To do so, navigate to *BEA_HOME*`\weblogic700\server\bin` and enter one of the following commands:

- On Windows: `migrate.cmd` *`domain mode`*
- On UNIX: `migrate.sh` *`domain mode`*

The following table defines the command-line arguments.

Table 1 Command-Line Arguments for migrate Script

Argument	Description
`domain`	Full pathname of the domain directory.

Table 1 Command-Line Arguments for migrate Script (Continued)

Argument	Description
mode	Migration mode. The mode can be set to one of two values: `upgrade` or `revert`. `upgrade`—Select this mode to upgrade the product JAR files in the domain directory, as required. For more information, see "What Happens During an Upgrade?" on page 7. This is the default mode. `revert`—Select this mode to restore a migrated domain to its pre-migration state, using the backup files (for example, `*.jar.orig`) that were generated before the migration was launched. If no backup files exist, the command is ignored.

You are prompted to press any key to start processing.

If, for some reason, you decide to revert to a previous installation, you must first revert any domain that you have upgraded to its former state. Only after you revert your domains should you then revert your WebLogic Platform installation. To revert a migration, run the migration script again, specifying the revert option on the command line.

What Happens During an Upgrade?

When you specify `upgrade`, the default migration mode, the script performs the following actions:

- The original product JAR files are saved:
  - If you are migrating to 7.0 SP1, the files are named `*.jar.orig`.
  - If you are migrating to 7.0 SP2, the files are named `*.jar.orig_bfsp2`.
  - If you are migrating to 7.0 SP4, the files are stored, with the same names, in the `pre_sp3backup` directory.
  - If you are migrating to 7.0 SP5, the files are stored, with the same names, in the `pre_sp4backup` directory
  - If you are migrating to 7.0 SP6, the files are stored, with the same names, in the `pre_sp5backup` directory.
- If you are migrating a domain to 7.0 SP2, the migration script also performs the following changes:
  - Replaces the Java options (`-server`, `-hotspot`) with the `COMM_VM` variable.

  - Replaces all occurrences of `%JAVA_VM%` with `%COMM_VM%`.
  - Copies any new security certificates to each WebLogic Integration domain.
  - Replaces all occurrences of `jdk131_03` with `jdk131_06`. (You must modify all custom scripts to reference the new SDK.)

- If you are migrating a domain to 7.0 SP4, the migration script also performs the following changes:
  - Replaces all occurrences of `jdk131_0`*x* with `jdk131_08`. (You must modify all custom scripts to reference the new SDK.)

    Note: You need to manually replace all references to the Sun Java 2 SDK with jdk131_08 in the `config.xml` file and in any custom scripts that reference the SDK.
  - Replaces the Java options (`-server`, `-hotspot`) with the `COMM_VM` variable.
  - Replaces all occurrences of `%JAVA_VM%` with `%COMM_VM%`.
  - Copies all files under *BEA_HOME*`\weblogic700\common\templates\domains\shared\bea\portal\apps\paymentWSApp` to the following directory of your Web application directory (by default): *BEA_HOME*`\user_projects\`*domain*`\beaApps\paymentWSApp`.
  - Copies all files under *BEA_HOME*`\weblogic700\common\templates\domains\shared\bea\portal\apps\jars` to the following directory (by default): *BEA_HOME*`\user_projects\`*domain*`\beaApps\portalApp`.
  - Copies all files under *BEA_HOME*`\weblogic700\common\templates\domains\shared\bea\portal\webapps\datasync\WEB-INF\lib` to the following Web application directory (by default): *BEA_HOME*`\user_projects\`*domain*`\beaApps\portalApp\datasync\WEB-INF\lib`.
  - Copies all files under *BEA_HOME*`\weblogic700\common\templates\domains\shared\bea\portal\webapps\tools\WEB-INF\lib` to the following Web application directory (by default): *BEA_HOME*`\user_projects\`*domain*`\beaApps\portalApp\tools\WEB-INF\lib`.
  - Copies all files under *BEA_HOME*`\weblogic700\common\templates\domains\shared\bea\portal\webapps\toolSupport\WEB-INF\lib` to the following Web application directory (by default):

BEA_HOME\user_projects*domain*\beaApps\portalApp\toolSupport\WEB-INF\lib.

- Copies all the .jar files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\apps\jars to the *BEA_HOME*\user_projects*domain*\beaApps\portalApp directory (by default) for your application.
- Copies all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\apps\taxWSApp to the following directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\taxWSApp.

- If you are migrating a domain to 7.0 SP5, the migration script also performs the following changes:
  - Replaces all occurrences of jdk131_0*x* with jdk131_10. (You must modify all custom scripts to reference the new SDK.)

    Note: You need to manually replace all references to the Sun Java 2 SDK with jdk131_10 in the config.xml file and in any custom scripts that reference the SDK.
  - Replaces the Java options (-server, -hotspot) with the COMM_VM variable.
  - Replaces all occurrences of %JAVA_VM% with %COMM_VM%.
  - Copies all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\apps\paymentWSApp to the following directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\paymentWSApp.
  - Copies all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\apps\jars to the following directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\portalApp.
  - Copies all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\webapps\datasync\WEB-INF\lib to the following Web application directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\portalApp\datasync\WEB-INF\lib.
  - Copies all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\webapps\tools\WEB-INF\lib to the following Web application directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\portalApp\tools\WEB-INF\lib.

  - Copies all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\webapps\toolSupport\WEB-INF\lib to the following Web application directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\portalApp\toolSupport\WEB-INF\lib.
  - Copies all the .jar files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\apps\jars to the *BEA_HOME*\user_projects*domain*\beaApps\portalApp directory (by default) for your application.
  - Copies all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\apps\taxWSApp to the following directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\taxWSApp.

- If you are migrating a domain to 7.0 SP6, the migration script also performs the following changes:
  - Replaces all occurrences of jdk131_0*x* with jdk131_14. (You must modify all custom scripts to reference the new SDK.)

    Note: You need to manually replace all references to the Sun Java 2 SDK with jdk131_14 in the config.xml file and in any custom scripts that reference the SDK.
  - Copies all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\apps\paymentWSApp to the following directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\paymentWSApp.
  - Copies all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\apps\jars to the following directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\portalApp.
  - Copies all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\webapps\datasync\WEB-INF\lib to the following Web application directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\portalApp\datasync\WEB-INF\lib.
  - Copies all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\webapps\tools\WEB-INF\lib to the following Web application directory (by

default):
BEA_HOME\user_projects*domain*\beaApps\portalApp\tools\WEB-INF\lib.

– Copies all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\webapps\toolSupport\WEB-INF\lib to the following Web application directory (by default):
BEA_HOME\user_projects*domain*\beaApps\portalApp\toolSupport\WEB-INF\lib.

– Copies all the .jar files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\apps\jars to the *BEA_HOME*\user_projects*domain*\beaApps\portalApp directory (by default) for your application.

– Copies all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\apps\taxWSApp to the following directory (by default):
BEA_HOME\user_projects*domain*\beaApps\taxWSApp.

Upgrade Example

Suppose you want to upgrade a domain called mydomain, which resides in the default user projects directory, *BEA_HOME*\user_projects. Run the command that is appropriate for your platform:

- On Windows: `migrate.cmd c:\bea\user_projects\mydomain upgrade`
- On UNIX: `migrate.sh /bea/user_projects/mydomain upgrade`

Revert Example

To undo the changes made to mydomain during the migration process, run the script appropriate for your operating system:

- On Windows: `migrate.cmd c:\bea\user_projects\mydomain revert`
- On UNIX: `migrate.sh /bea/user_projects/mydomain revert`

Performing Manual Steps for Completing a Migration

Depending on the domain template used to generate the domain, you may need to add or modify existing scripts or files to support an existing 7.0 SP release of WebLogic Platform.

The following sections describe the manual steps required to complete a migration, including:

- Performing Manual Steps for WebLogic Platform 7.0 SP1 Migration
- Performing Manual Steps for WebLogic Platform 7.0 SP2 Migration
- Performing Manual Steps for WebLogic Platform 7.0 SP4 Migration
- Performing Manual Steps for WebLogic Platform 7.0 SP5 Migration
- Performing Manual Steps for WebLogic Platform 7.0 SP6 Migration

Note: The migration steps described are cumulative for each 7.0 SP release. So, for example, if you are migrating to 7.0 SP6 from 7.0, you must complete the procedures described to migrate to 7.0 SP1, 7.0 SP2, 7.0 SP4, and 7.0 SP5, as indicated, before completing the steps described to migrate to 7.0 SP6.

Performing Manual Steps for WebLogic Platform 7.0 SP1 Migration

This section describes the manual steps that must be performed to migrate your domain to WebLogic Platform 7.0 SP1 from 7.0. Refer to the appropriate section below, based on the domain template used to generate the domain, and perform the steps described.

- BPM Domain
- EAI Domain
- Platform Domain
- WebLogic Workshop Domain
- WLI Domain
- WLP Domain
- WLS Domain
- WLS Examples
- WLS Petstore

Note: Before adding or modifying any files, as described in the following sections, it is recommended that you back up the original files.

BPM Domain

For a domain that is based on the BPM Domain template, perform the following steps:

1. Add the WLISERVERCP variable to the startWebLogic.cmd (Windows) or startWebLogic.sh (UNIX) script to define the CLASSPATH. The startWebLogic scripts reside in the *BEA_HOME*\user_projects*domain* directory.

   The following sample excerpt from the startWebLogic.cmd script (Windows) shows the required update in **bold**:

   ```
   :pointbase
   REM Invoke a script to finish up work
   set WLISERVERCP=%WLISERVERCP%;%PBCOMMONCP%;
   set SCRIPT=%WLI_HOME%\lib\scripts\PointbaseChecker.xml
   ```

2. Add the PBCOMMONCP variable to the end of the CLASSPATH definition in the startManagedWebLogic.cmd (Windows) or startManagedWebLogic.sh (UNIX) script. The startManagedWebLogic scripts reside in the *BEA_HOME*\user_projects*domain* directory.

   The following sample excerpt from the startManagedWebLogic.cmd script (Windows) shows the required update in **bold**:

   ```
   set CLASSPATH=%WLISERVERCP%;%PBCOMMONCP%
   ```

3. Modify the setDBVars.cmd (Windows) or setDBVars (UNIX) command to reflect the appropriate PointBase version (183 versus 172) in the JAR filenames defined in the CLASSPATH. The files for both commands are located in the following directory, by default:

   BEA_HOME\user_projects*domain*\dbInfo\pointbase

   The following sample excerpt from the setDBVars.cmd script (Windows) shows the required updates in **bold**:

   Before:

   ```
   set CLCP=-classpath %WL_HOME%\..\samples\server\eval\
   pointbase\lib\pbserver42ECF172.jar

   set CLCP=%CLCP%;%WL_HOME%\..\samples\server\eval\
   pointbase\lib\pbclient42ECF172.jar

   set CLCP=%CLCP%;%WL_HOME%\..\samples\server\eval\
   pointbase\lib\pbtools42ECF172.jar;
   ```

   After:

   ```
   set CLCP=-classpath %WL_HOME%\..\samples\server\eval\
   pointbase\lib\pbserver42ECF183.jar

   set CLCP=%CLCP%;%WL_HOME%\..\samples\server\eval\
   pointbase\lib\pbclient42ECF183.jar
   ```

```
set CLCP=%CLCP%;%WL_HOME%\..\samples\server\eval\
pointbase\lib\pbtools42ECF183.jar;
```

EAI Domain

For a domain that is based on the EAI Domain template, see the procedure described in "BPM Domain" on page 12.

Platform Domain

For a domain that is based on the Platform Domain template, perform the following steps:

1. In the `web.xml` file for the tools Web application (located, by default, in the *BEA_HOME*`\user_projects\`*domain*`\beaApps\portalApp\tools\WEB-INF` directory), locate the `Customer Profile and Order Pages` security constraint and define the resources to which the security constraint applies using the `<url-pattern>` element.

   The following sample excerpt from the `web.xml` file shows the required updates in **bold**:

   ```
   <security-constraint>
     <!-- Define a resource collection -->
     <web-resource-collection>
       <web-resource-name>
         Customer Profile and Order Pages
       </web-resource-name>
       <description>
         Customer Profile and Order Pages
       </description>
     <!-- URL pattern for the resource collection -->
       <url-pattern>/tools/*</url-pattern>
       <url-pattern>/repository/*</url-pattern>
       <url-pattern>/security/*</url-pattern>
       <http-method>GET</http-method>
       <http-method>POST</http-method>
     </web-resource-collection>
   </security-constraint>
   ```

   Note: WebLogic Server validates each `web-resource-collection` element within a `security-constraint` element to ensure that it contains at least one URL pattern. If you have other Web applications in your domain, verify that all `web-resource-collection` elements contain at least one URL pattern, appropriate for the security constraint.

2. Copy the following files from the *BEA_HOME*`\weblogic700\common\templates\domains\shared\bea\portal\webapps\tools\tools` directory to the `tools` directory of your tools Web applications. Be careful not to overwrite any files that you have customized.

```
catalog\category_add_remove_items.jsp
catalog\item_property_edit.jsp
catalog\item_property_edit_mr.jsp
catalog\item_property_edit_mu.jsp
catalog\item_property_edit_sr.jsp
catalog\item_property_edit_su.jsp
catalog\item_search.jsp
usermgmt\groupuser_property_edit_mr.jsp
usermgmt\groupuser_property_edit_mu.jsp
usermgmt\groupuser_property_edit_sr.jsp
usermgmt\groupuser_property_edit_su.jsp
usermgmt\group_add_remove_users.jsp
usermgmt\group_edit.jsp
usermgmt\group_scope_property.jsp
usermgmt\user_create.jsp
usermgmt\user_edit_info.jsp
usermgmt\user_scope_property.jsp
```

3. Copy the `weblogic-application.xml` file from the *BEA_HOME*`\weblogic700\samples\portal\p13nDomain\beaApps\p13nApp\META-INF` directory to *BEA_HOME*`\user_projects\`*domain*`\beaApps\portalApp\META-INF` directory. Be careful not to overwrite any file that may have been created using this filename.

4. If you have created a portal Web application in your domain, you need to perform the following steps for each application:

   a. Copy the following files from the *BEA_HOME*`\weblogic700\common\templates\webapps\portal\baseportal\j2ee\framework` directory to the `framework` directory of your portal Web application. Be careful not to overwrite any files that may have been created using one of these filenames.

   ```
   edit_titlebar.properties
   error\configurationerror.properties
   error\footer.inc
   error\header.inc
   error\header.properties
   error\missingformfield.properties
   error\parameters.properties
   error\pipeline.properties
   error\request.properties
   error\runtimeerror.properties
   hnav_bar.properties
   maximize_titlebar.properties
   minimize_titlebar.properties
   normal_titlebar.properties
   security\help.properties
   ```

```
security\meta.inc
vnav_bar.properties
```

b. Update the following JSP files in the `framework` directory of your portal Web application using the corresponding files in the *BEA_HOME*`\weblogic700\common\templates\webapps\portal\baseportal\j2ee\framework` directory as a guide for comparison. Because you may have modified the JSP files to customize your portal, it is not recommended that you overwrite the existing files unless you are certain that they have not been customized.

```
edit_titlebar.inc
error\configurationerror.jsp
error\error.jsp
error\missingformfield.jsp
error\parameters.jsp
error\pipeline.jsp
error\request.jsp
error\runtimeerror.jsp
error\sessiontimeout.jsp
error\sessiontimeout.properties
floated_portlet.jsp
hnav_bar.jsp
maximize_titlebar.inc
minimize_titlebar.inc
normal_titlebar.inc
security\help.jsp
security\login_header.inc
security\need_group.jsp
security\new_user.jsp
security\set_password.jsp
tools\header.jsp
tools\header.properties
tools\portal_prefs.jsp
vnav_bar.jsp
```

c. Copy the following files from the *BEA_HOME*`\weblogic700\common\templates\webapps\portal\baseportal\j2ee\WEB-INF\lib` directory to the `WEB-INF\lib` directory of your portal Web applications. Be careful not to overwrite any files that you have customized.

```
ent_taglib.jar
es_taglib.jar
i18n_taglib.jar
lic_taglib.jar
p13n_servlet.jar
portal_servlet.jar
portal_taglib.jar
portlet_taglib.jar
```

```
ren_taglib.jar
res_taglib.jar
um_taglib.jar
util_taglib.jar
visitor_taglib.jar
webflow_servlet.jar
webflow_taglib.jar
weblogic-tags.jar
```

WebLogic Workshop Domain

For a domain that is based on the WebLogic Workshop Domain template, perform the following steps:

1. Modify the `startWebLogic.cmd` (Windows) or `startWebLogic.sh` (UNIX) command to reflect the appropriate PointBase version (183 versus 172) in the JAR filenames defined in the `CLASSPATH`. The files for both commands are located in the following directory, by default:

   BEA_HOME`\user_projects\`*domain*

   The following sample excerpt from the `startWebLogic.cmd` script (Windows) shows the required updates in **bold**:

   Before:

   ```
   set PB_CLASSPATH=
   %POINTBASEDIR%\eval\pointbase\lib\pbserver42ECF172.jar;
   %POINTBASEDIR%\eval\pointbase\lib\pbclient42ECF172.jar
   ```

   After:

   ```
   set PB_CLASSPATH=.\;
   %POINTBASEDIR%\eval\pointbase\lib\pbserver42ECF183.jar;
   %POINTBASEDIR%\eval\pointbase\lib\pbclient42ECF183.jar
   ```

2. Copy the following files from the *BEA_HOME*`\weblogic700\samples\workshop` directory to the *BEA_HOME*`\user_projects\`*domain* directory of your WebLogic Workshop domain. Be careful not to overwrite any files that may have been created using one of these filenames.

   ```
   setWorkshopEnv.cmd
   setWorkshopEnv.sh
   startPointBaseConsole.cmd
   startPointBaseConsole.sh
   URLs.dat
   ```

WLI Domain

For a domain that is based on the WLI Domain template, perform the following steps:

1. Add the SVRCP variable to the `startWebLogic.cmd` (Windows) or `startWebLogic.sh` (UNIX) script to define the CLASSPATH. The `startWebLogic` scripts reside in the *BEA_HOME*\user_projects*domain* directory.

   The following sample excerpt from the `startWebLogic.cmd` script (Windows) shows the required update in **bold**:

   ```
   :pointbase
   REM Invoke a script to finish up work
   set SVRCP=%SVRCP%;%PBCOMMONCP%;
   set SCRIPT=%WLI_HOME%\lib\scripts\PointbaseChecker.xml
   ```

2. Open the `startManagedWebLogic` script:
   - On Windows: *BEA_HOME*\user_projects*domain*\startManagedWebLogic.cmd
   - On UNIX: *BEA_HOME*\user_projects*domain*\startManagedWebLogic

3. Add the PBCOMMONCP variable to the end of the CLASSPATH definition.

4. If you are running a WLI, BPM, or EAI domain created in 7.0 GA, also delete (or comment out) the following line:

   ```
   JAVA_VM=-server
   ```

   The following sample excerpt from the `startManagedWebLogic.cmd` script (Windows) shows the required update in **bold**:

   ```
   set CLASSPATH=%WLISERVERCP%;%WLI_HOME%\lib\hlcommon.jar;
   %WLI_HOME%\lib\mekshared.jar;%WLI_HOME%\lib\powerapi.jar;
   %PBCOMMONCP%
   ```

5. Modify the `setDBVars.cmd` (Windows) or `setDBVars` (UNIX) command to reflect the appropriate PointBase version (183 versus 172) in the JAR filenames defined in the CLASSPATH. The files for both commands are located in the following directory, by default:

   BEA_HOME\user_projects*domain*\dbInfo\pointbase

   The following sample excerpt from the `setDBVars.cmd` script (Windows) shows the required updates in **bold**:

   Before:

   ```
   set CLCP=-classpath %WL_HOME%\..\samples\server\eval\
   pointbase\lib\pbserver42ECF172.jar
   ```

```
set CLCP=%CLCP%;%WL_HOME%\..\samples\server\eval\
pointbase\lib\pbclient42ECF172.jar

set CLCP=%CLCP%;%WL_HOME%\..\samples\server\eval\
pointbase\lib\pbtools42ECF172.jar;%WLI_DOMAIN_HOME%
```

After:

```
set CLCP=-classpath %WL_HOME%\..\samples\server\eval\
pointbase\lib\pbserver42ECF183.jar

set CLCP=%CLCP%;%WL_HOME%\..\samples\server\eval\
pointbase\lib\pbclient42ECF183.jar

set CLCP=%CLCP%;%WL_HOME%\..\samples\server\eval\
pointbase\lib\pbtools42ECF183.jar;%WLI_DOMAIN_HOME%
```

WLP Domain

To migrate a domain that is based on the WLP Domain template, complete the procedure described in "Platform Domain" on page 14.

WLS Domain

For a domain that is based on the WLS Domain template, you do not need to add or modify existing scripts or files.

WLS Examples

For a domain that is based on the WLS Examples domain template, perform the following steps:

1. Modify the `CLASSPATH` definition in the `startExamplesServer.cmd` (Windows) or `startExamplesServer.sh` (UNIX) command to:
   - Reflect the appropriate PointBase version (183 versus 172) in the JAR filenames.
   - Add the *`BEA_HOME`*`\server\lib\webservices.jar` file.

   The files for both commands are located in the following directory, by default:

   `BEA_HOME``\user_projects\`*`domain`*

   The following sample excerpt from the `startExamplesServer.cmd` script (Windows) shows the required updates in **bold**:

   Before:

   ```
   set CLASSPATH=
   c:\bea\jdk131_03\lib\tools.jar;%POINTBASE_HOME%\lib\
   pbserver42ECF172.jar;%POINTBASE_HOME%\lib\
   ```

```
pbclient42ECF172.jar;%CLIENT_CLASSES%;%SERVER_CLASSES%;
%COMMON_CLASSES%;%CLIENT_CLASSES%\utils_common.jar
```

After:

```
set CLASSPATH=
c:\bea\jdk131_03\lib\tools.jar;%POINTBASE_HOME%\lib\
pbserver42ECF183.jar;%POINTBASE_HOME%\lib\
pbclient42ECF183.jar;%CLIENT_CLASSES%;%SERVER_CLASSES%;
%COMMON_CLASSES%;%CLIENT_CLASSES%\utils_common.jar;
c:\bea\weblogic700\server\lib\webservices.jar
```

2. Copy the `Webservices_trader.ear` file from the *BEA_HOME*`\samples\server\config\examples\applications` directory to the *BEA_HOME*`\user_projects\WLSExampleDomain\applications` directory of your Web applications. Be careful not to overwrite any files that you have customized.

WLS Petstore

For a domain that is based on the WLS Petstore domain template, modify the `startPetStore.cmd` (Windows) or `startPetStore.sh` (UNIX) command to reflect the appropriate PointBase version (183 versus 172) in the JAR filenames defined in the `CLASSPATH`.

The files for both commands are located in the following directory, by default:

BEA_HOME`\user_projects\`*domain*

The following sample excerpt from the `startPetStore.cmd` script (Windows) shows the required updates in **bold**:

Before:

```
set CLASSPATH=%JAVA_HOME%\lib\tools.jar;%POINTBASE_HOME%\lib\
pbserver42ECF172.jar;%POINTBASE_HOME%\lib\
pbclient42ECF172.jar;%SERVER_CLASSES%;%COMMON_CLASSES%
```

After:

```
set CLASSPATH=%JAVA_HOME%\lib\tools.jar;%POINTBASE_HOME%\lib\
pbserver42ECF183.jar;%POINTBASE_HOME%\lib\
pbclient42ECF183.jar;%SERVER_CLASSES%;%COMMON_CLASSES%
```

Performing Manual Steps for WebLogic Platform 7.0 SP2 Migration

This section describes the manual steps that must be performed to migrate your domain to WebLogic Platform 7.0 SP2:

1. If you are migrating a WebLogic Platform 7.0 domain, ensure that you have completed the manual steps required to migrate your domain to WebLogic Platform 7.0 SP1, as described in "Performing Manual Steps for WebLogic Platform 7.0 SP1 Migration" on page 12.
2. Perform the steps described in the following sections to migrate to WebLogic Platform 7.0 SP2 a domain based on one of the following templates:
   - BPM Domain
   - EAI Domain
   - WebLogic Workshop Domain
   - WLI Domain
   - WLP Domain

   No additional steps are required if you are migrating a domain based on one of following templates: Platform Domain, WLS Domain, WLS Examples, or WLS Petstore.

Note: Before adding or modifying any files, as described in the following sections, it is recommended that you back up the original files.

BPM Domain

To migrate a domain that is based on the BPM template to WebLogic Platform 7.0 SP2, complete the following steps:

1. Migrate your database and/or security realm data, if required. For more information, see the *BEA WebLogic Integration Migration Guide*: `http://e-docs.bea.com/wli/docs70/migrate/index.htm`
2. To support two new features—BPM JSP Worklist and BPM File Plug-in—update the domain `config.xml` file to include the required deployable components, as described below.

   Note: The following instructions apply to both a single-server or cluster domain configuration, except where indicated.

   In the following descriptions, *`name`* indicates the name of the single-server or cluster and *`cluster_server_name`* indicates the name of the server in the cluster that you are referencing.

   a. To support the BPM JSP Worklist, add the following component under `<Application Name ="WebLogic Integration">`:

```
<WebAppComponent Name="WLI-BPM JSP Worklist"
   Targets="name"
    URI="worklist.war"/>
```

b. To support the BPM File Plug-in, add the following component under `<Application Name ="WebLogic Integration">`:

```
<EJBComponent Name="WLI BPM File Plug-in"
    Targets="name"
    URI="fileplugin-ejb.jar"/>
```

Add the following component under the `JMSServer` text block, ignoring the *`cluster_server_name`* variable for a single-server domain configuration, and repeating for each server in a cluster domain configuration:

```
<JMSQueue Name="WLI_BPM_FP-cluster_server_name"
  JNDIName="com.bea.wli.bpm.FilePluginQueue-cluster_server_name"
    StoreEnabled="true"
    Template="WLI_JMSTemplate-cluster_server_name"/>
```

For a cluster domain configuration only, add the following components under `<Application Name ="WebLogic Integration">`:

```
<JMSDistributedQueue Name="WLI_BPM_FP"
    JNDIName="com.bea.wli.bpm.FilePluginQueue"
  Targets="name">
    <JMSDistributedQueueMember
       Name="WLI_BPM_FP-cluster_server_name"
       JMSQueue="WLI_BPM_FP-cluster_server_name"
       Weight="1"/>
    <JMSTemplate Name="WLI_BPM_FP"/>
</JMSDistributedQueue>
```

Example:

The following provides an example of how to migrate a domain that is based on the BPM Domain template, demonstrating how to update the database schema and configure the BPM File Plug-In.

1. Update the BPM database table with `FILEPOLL`, a new database table used by the BPM File Plug-In. To do so, run the following script:

   `BEA_HOME``\weblogic700\integration\dbscripts\`*`database_type`*`\migrate\BPM_70-70SP2.sql`

   In the preceding line, *`BEA_HOME`* represents the WebLogic Platform home directory.

2. Prepare to migrate a single-server domain by configuring the BPM File Plug-in for the domain in the `config.xml` file:

a. To deploy the `fileplugin-ejb.jar` as one component of a WebLogic Integration application, add the following:

```
<EJBComponent Name="WLI-BPM File Plug-in"
Targets="Customer_Server_Name" URI="fileplugin-ejb.jar"/>
```

b. To add the JMS queue for the BPM File Plug-in, add the following:

```
<JMSQueue JNDIName="com.bea.wli.bpm.FilePluginQueue"
Name="WLI_BPM_FP" Template="WLI_JMSTemplate"/>
```

3. Prepare to migrate to a clustered domain by configuring the BPM File Plug-in for the domain in the `config.xml` file:

Note: This example shows a cluster system (`mycluster`) with one administration server (`myserver`) and two managed servers (`c1`, `c2`).

a. To deploy `fileplugin-ejb.jar` on a cluster server, add the following:

```
<EJBComponent Name="WLI BPM File Plug-in"
    Targets="mycluster"
    URI="fileplugin-ejb.jar"/>
```

b. To configure the JMS Queue for the BPM File Plug-in, add the following:

```
<JMSDistributedQueue Name="WLI_BPM_FP"
    JNDIName="com.bea.wli.bpm.FilePluginQueue"
    Targets="mycluster">
   <JMSDistributedQueueMember Name="WLI_BPM_FP-c1"
        JMSQueue="WLI_BPM_FP-c1"
        Weight="1"/>
    <JMSDistributedQueueMember Name="WLI_BPM_FP-c2"
        JMSQueue="WLI_BPM_FP-c2"
        Weight="1"/>
    <JMSTemplate Name="WLI_BPM_FP"/>
</JMSDistributedQueue>
```

c. On the cluster node c1 JMS server, add the following:

```
<JMSQueue Name="WLI_BPM_FP-c1"
    JNDIName="com.bea.wli.bpm.FilePluginQueue-c1"
    StoreEnabled="true"
    Template="WLI_JMSTemplate-c1"/>
```

d. On the cluster node c2 JMS server, add the following:

```
<JMSQueue Name="WLI_BPM_FP-c2"
    JNDIName="com.bea.wli.bpm.FilePluginQueue-c2"
```

```
StoreEnabled="true"
Template="WLI_JMSTemplate-c2"/>
```

EAI Domain

To migrate a domain that is based on the EAI Domain template, complete the procedure described in "BPM Domain" on page 21.

WebLogic Workshop Domain

To migrate a domain that is based on the WebLogic Workshop Domain template to WebLogic Platform 7.0 SP2, update the `startweblogic` script for your domain as follows:

1. Add the following command:

   ```
   call %WL_HOME%\common\bin\commEnv.cmd
   ```

2. Set the `JAVA_DEBUG` variable as follows:

   ```
   JAVA_DEBUG=%COMM_CLIENT_VM%
   ```

3. Set the `JAVA_HOME` variable as follows:

   ```
   JAVA_HOME=%JAVA_HOME%
   ```

WLI Domain

To migrate a domain that is based on the WLI Domain template, complete the procedure described in "BPM Domain" on page 21.

WLP Domain

To migrate a domain that is based on the WLP Domain template to WebLogic Platform 7.0 SP2, you must complete the following three phases:

- Phase 1: Copy Files
- Phase 2: Modify Your `web.xml` File
- Phase 3: Modify Your `weblogic.xml` File

Phase 1: Copy Files

Note: Be careful not to overwrite any files that you have customized.

1. Copy all files under
   BEA_HOME\weblogic700\common\templates\domains\shared\bea\portal\webapps

\datasync to your datasync Web application directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\portalApp\datasync.

2. Copy all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\webapps\tools to your tools Web application directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\portalApp\tools.
3. Copy all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\webapps\toolSupport to your toolSupport Web application directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\portalApp\toolSupport.
4. Copy all the .jar files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\apps\jars to the *BEA_HOME*\user_projects*domain*\beaApps\portalApp directory for your application.
5. If you have created a portal Web application in your domain, copy all the .jar files from the *BEA_HOME*\weblogic700\common\templates\webapps\portal\baseportal\j2ee\WEB-INF\lib directory to the WEB-INF\lib directory for each of your portal Web applications.

We strongly recommend that you run the Portal Consistency Checker after performing these migration steps to ensure all the necessary files have been copied. The Portal Consistency Checker is available on the dev2dev site at:

http://dev2dev.bea.com/codelibrary/code/portal_consistency_checker.jsp

Phase 2: Modify Your `web.xml` File

To modify the web.xml file for your Web application, you can use either of two methods:

1. Replace the weblogic.xml file for your Web application with the weblogic.xml.stock version in the following directory:

   BEA_HOME\weblogic700\common\templates\webapps\portal\baseportal\j2ee\WEB-INF

   Then incorporate your previous changes into the newly copied file.

2. Copy and paste the new code shown in steps a-d into the following sections of the weblogic.xml file for your Web application: <listener>, <servlet-mapping>, <taglib>, and <ejb-ref>.

   a. Add the following lines after the <listener> section:

```
<!-- Filter to fire click through events -->
<filter>
   <filter-name>ClickThroughEventFilter</filter-name>
-->
<filter-class>com.bea.p13n.tracking.clickthrough.ClickThroughEventFilter</filt
er-class>
</filter>
<filter-mapping>
   <filter-name>ClickThroughEventFilter</filter-name>
   <url-pattern>/application/*</url-pattern>
</filter-mapping>
```

b. Add the following lines after the `<servlet-mapping>` section:

```
<!-- The ShowDoc Servlet -->
<servlet>
  <servlet-name>ShowDocServlet</servlet-name>
  <servlet-class>com.bea.p13n.content.servlets.ShowDocServlet</servlet-class>
     <!-- Make showdoc always use the local ejb-ref DocumentManager -->
  <init-param>
    <param-name>contentHome</param-name>
    <param-value>java:comp/env/ejb/DocumentManager</param-value>
  </init-param>
</servlet>
<!-- The AdClickThru Servlet -->
<servlet>
  <servlet-name>adClickThru</servlet-name>
  <servlet-class>com.bea.p13n.ad.servlets.AdClickThruServlet</servlet-class>
</servlet>
<!-- The ClickThrough Servlet -->
<servlet>
  <servlet-name>clickThroughServlet</servlet-name>
<servlet-class>com.bea.p13n.tracking.clickthrough.ClickThroughServlet</servlet
-class>
</servlet>
<servlet-mapping>
  <servlet-name>ShowDocServlet</servlet-name>
<url-pattern>/ShowDoc/*</url-pattern>
</servlet-mapping>
<servlet-mapping>
   <servlet-name>adClickThru</servlet-name>
   <url-pattern>/adClickThru/*</url-pattern>
</servlet-mapping>
<servlet-mapping>
   <servlet-name>adClickThru</servlet-name>
   <url-pattern>/AdClickThru/*</url-pattern>
</servlet-mapping>
<servlet-mapping>
  <servlet-name>clickThroughServlet</servlet-name>
```

```
  <url-pattern>/clickThroughServlet/*</url-pattern>
</servlet-mapping>
```

c. Add the following lines to the `<taglib>` section:

```
<taglib>
   <taglib-uri>cat.tld</taglib-uri>
   <taglib-location>/WEB-INF/lib/cat_taglib.jar</taglib-location>
</taglib>
<taglib>
<taglib-uri>eb.tld</taglib-uri>
<taglib-location>/WEB-INF/lib/eb_taglib.jar</taglib-location>
</taglib>
<taglib>
<taglib-uri>productTracking.tld</taglib-uri>
   <taglib-location>/WEB-INF/lib/productTracking_taglib.jar</taglib-location>
</taglib>
<taglib>
   <taglib-uri>ad.tld</taglib-uri>
   <taglib-location>/WEB-INF/lib/ad_taglib.jar</taglib-location>
</taglib>
<taglib>
   <taglib-uri>cm.tld</taglib-uri>
   <taglib-location>/WEB-INF/lib/cm_taglib.jar</taglib-location>
</taglib>
<taglib>
   <taglib-uri>ph.tld</taglib-uri>
   <taglib-location>/WEB-INF/lib/ph_taglib.jar</taglib-location>
</taglib>
<taglib>
   <taglib-uri>ps.tld</taglib-uri>
   <taglib-location>/WEB-INF/lib/ps_taglib.jar</taglib-location>
</taglib>
<taglib>
   <taglib-uri>pz.tld</taglib-uri>
   <taglib-location>/WEB-INF/lib/pz_taglib.jar</taglib-location>
</taglib>
<taglib>
   <taglib-uri>tracking.tld</taglib-uri>
   <taglib-location>/WEB-INF/lib/tracking_taglib.jar</taglib-location>
</taglib>
<taglib>
   <taglib-uri>dam.tld</taglib-uri>
   <taglib-location>/WEB-INF/lib/dam_taglib.jar</taglib-location>
</taglib>
<taglib>
   <taglib-uri>vum.tld</taglib-uri>
   <taglib-location>/WEB-INF/lib/vum_taglib.jar</taglib-location>
</taglib>
```

d. Add the following lines to the <ejb-ref> section:

```
<!-- This is used by the various <cm:> tags -->
<ejb-ref>
  <description>
     The ContentManager EJB for this webapp
  </description>
  <ejb-ref-name>ejb/ContentManager</ejb-ref-name>
  <ejb-ref-type>Session</ejb-ref-type>
  <home>com.bea.p13n.content.document.DocumentManagerHome</home>
  <remote>com.bea.p13n.content.document.DocumentManager</remote>
</ejb-ref>
<!-- This is used by the ShowDocServlet -->
<ejb-ref>
  <description>
     The DocumentManager for this webapp
  </description>
  <ejb-ref-name>ejb/DocumentManager</ejb-ref-name>
  <ejb-ref-type>Session</ejb-ref-type>
  <home>com.bea.p13n.content.document.DocumentManagerHome</home>
  <remote>com.bea.p13n.content.document.DocumentManager</remote>
</ejb-ref>
<!-- This is used by the Placeholder tag -->
<ejb-ref>
  <description>
     The PlaceholderService Session EJB for the placeholder tag.
  </description>
  <ejb-ref-name>ejb/PlaceholderService</ejb-ref-name>
  <ejb-ref-type>Session</ejb-ref-type>
  <home>com.bea.p13n.placeholder.PlaceholderServiceHome</home>
  <remote>com.bea.p13n.placeholder.PlaceholderService</remote>
</ejb-ref>
<!-- This is used by the AdClickThruServlet and the adTarget tag-->
<ejb-ref>
  <description>
     The AdService for this webapp
  </description>
  <ejb-ref-name>ejb/AdService</ejb-ref-name>
  <ejb-ref-type>Session</ejb-ref-type>
  <home>com.bea.p13n.ad.AdServiceHome</home>
  <remote>com.bea.p13n.ad.AdService</remote>
</ejb-ref>
<!-- This is used by the AdClickThruServlet -->
<ejb-ref>
  <description>
     The AdBucketService for this webapp
  </description>
  <ejb-ref-name>ejb/AdBucketService</ejb-ref-name>
  <ejb-ref-type>Session</ejb-ref-type>
```

```
  <home>com.bea.p13n.ad.AdBucketServiceHome</home>
  <remote>com.bea.p13n.ad.AdBucketService</remote>
</ejb-ref>
<!-- This is used by the various <pz:> tags -->
<ejb-ref>
<description>
     The EjbAdvisor for this webapp
  </description>
  <ejb-ref-name>ejb/EjbAdvisor</ejb-ref-name>
  <ejb-ref-type>Session</ejb-ref-type>
  <home>com.bea.p13n.advisor.EjbAdvisorHome</home>
  <remote>com.bea.p13n.advisor.EjbAdvisor</remote>
</ejb-ref>
```

Phase 3: Modify Your `weblogic.xml` File

To modify the `weblogic.xml` file for your Web application, you can use either of two methods:

1. Replace the `weblogic.xml` file for your Web application with the `weblogic.xml.stock` version in the following directory:

   BEA_HOME`\weblogic700\common\templates\webapps\portal\baseportal\j2ee\WEB-INF`

   Then incorporate your previous changes into the newly copied file.

2. Copy and paste the following new code into the `<ejb-reference-description>` section of the `weblogic.xml` file for your Web application:

```
<ejb-reference-description>
    <ejb-ref-name>ejb/ContentManager</ejb-ref-name>
    <jndi-name>${APPNAME}.BEA_personalization.DocumentManager</jndi-name>
</ejb-reference-description>
<ejb-reference-description>
    <ejb-ref-name>ejb/DocumentManager</ejb-ref-name>
    <jndi-name>${APPNAME}.BEA_personalization.DocumentManager</jndi-name>
 </ejb-reference-description>
<ejb-reference-description>
    <ejb-ref-name>ejb/PlaceholderService</ejb-ref-name>
   <jndi-name>${APPNAME}.BEA_personalization.PlaceholderService</jndi-name>
</ejb-reference-description>
<ejb-reference-description>
    <ejb-ref-name>ejb/AdService</ejb-ref-name>
    <jndi-name>${APPNAME}.BEA_personalization.AdService</jndi-name>
</ejb-reference-description>
<ejb-reference-description>
    <ejb-ref-name>ejb/AdBucketService</ejb-ref-name>
    <jndi-name>${APPNAME}.BEA_personalization.AdBucketService</jndi-name>
</ejb-reference-description>
<ejb-reference-description>
```

```
    <ejb-ref-name>ejb/EjbAdvisor</ejb-ref-name>
    <jndi-name>${APPNAME}.BEA_personalization.EjbAdvisor</jndi-name>
</ejb-reference-description>
```

Performing Manual Steps for WebLogic Platform 7.0 SP4 Migration

This section describes the manual steps that you must perform to migrate your domain to WebLogic Platform 7.0 SP4:

1. Make sure that you have completed the prerequisite steps described in the following table.

If you are migrating a domain created with the following 7.0.*x* releases ...	Make sure that you have completed the manual steps required to migrate the domain to ...
WebLogic Platform 7.0	• WebLogic Platform 7.0 SP1, as described in "Performing Manual Steps for WebLogic Platform 7.0 SP1 Migration" on page 12, and • WebLogic Platform 7.0 SP2, as described in "Performing Manual Steps for WebLogic Platform 7.0 SP2 Migration" on page 20.
WebLogic Platform 7.0 SP1	WebLogic Platform 7.0 SP2, as described in "Performing Manual Steps for WebLogic Platform 7.0 SP2 Migration" on page 20.
WebLogic Platform 7.0 SP2	You do not have to complete any prerequisite manual steps. Proceed to step 2.

2. If you are migrating a domain based on the Platform Domain, WebLogic Workshop Domain, or WLP Domain, perform the steps in the appropriate section below:
   - Platform Domain
   - WebLogic Workshop Domain
   - WLP Domain

   No additional steps are required if you are migrating a domain based on one of following templates: BPM Domain, EAI Domain, WLI Domain, WLS Domain, WLS Examples, or WLS Petstore.

Note: Before adding or modifying any files, as described in the following sections, it is recommended that you back up the original files.

Platform Domain

To migrate a domain that is based on the Platform Domain template to WebLogic Platform 7.0 SP4, perform the following steps:

1. Copy all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\webapps\datasync to your datasync Web application directory, by default *BEA_HOME*\user_projects*domain*\beaApps\portalApp\datasync.
2. Copy all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\webapps\tools to your tools Web application directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\portalApp\tools.
3. Copy all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\webapps\toolSupport to your toolSupport Web application directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\portalApp\toolSupport.
4. Copy all the .jar files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\apps\jars to the *BEA_HOME*\user_projects*domain*\beaApps\portalApp directory (by default) for your application.
5. If you have created a portal Web application in your domain, copy all the .jar files from the *BEA_HOME*\weblogic700\common\templates\webapps\portal\baseportal\j2ee\WEB-INF\lib directory to the WEB-INF\lib directory for each of your portal Web applications.

We strongly recommend that you run the Portal Consistency Checker after performing these migration steps to ensure all the necessary files have been copied. The Portal Consistency Checker is available on the dev2dev site at:

http://dev2dev.bea.com/codelibrary/code/portal_consistency_checker.jsp

WebLogic Workshop Domain

To migrate a domain that is based on the WebLogic Workshop Domain template to WebLogic Platform 7.0 SP4, update the value of MEM_ARGS in the startweblogic script for your domain. By default, the script is located in the following directory:

BEA_HOME\user_projects*domain*

The following excerpt from the `startWebLogic.cmd` script (for Windows) shows the required updates in **bold**:

Before:

```
set MEM_ARGS=-Xms64m -Xmx128m
```

After:

```
set MEM_ARGS=%COMM_MEDIUM_MEM_ARGS%
```

WLP Domain

To migrate a domain that is based on the WLP Domain template, complete the procedure described in "Platform Domain" on page 31.

Performing Manual Steps for WebLogic Platform 7.0 SP5 Migration

This section describes the manual steps that you must perform to migrate your domain to WebLogic Platform 7.0 SP5:

1. Make sure that you have completed the prerequisite steps described in the following table.

If you are migrating a domain created with the following 7.0.*x* release ...	Make sure that you have completed the manual steps required to migrate the domain to ...
WebLogic Platform 7.0	• WebLogic Platform 7.0 SP1, as described in "Performing Manual Steps for WebLogic Platform 7.0 SP1 Migration" on page 12 • WebLogic Platform 7.0 SP2, as described in "Performing Manual Steps for WebLogic Platform 7.0 SP2 Migration" on page 20 • WebLogic Platform 7.0 SP4, as described in "Performing Manual Steps for WebLogic Platform 7.0 SP4 Migration" on page 30
WebLogic Platform 7.0 SP1	• WebLogic Platform 7.0 SP2, as described in "Performing Manual Steps for WebLogic Platform 7.0 SP2 Migration" on page 20 • WebLogic Platform 7.0 SP4, as described in "Performing Manual Steps for WebLogic Platform 7.0 SP4 Migration" on page 30
WebLogic Platform 7.0 SP2	WebLogic Platform 7.0 SP4, as described in "Performing Manual Steps for WebLogic Platform 7.0 SP4 Migration" on page 30
WebLogic Platform 7.0 SP4	You do not have to complete any prerequisite manual steps. Proceed to step 2.

2. If you are migrating a domain based on the WebLogic Workshop Domain or WLP Domain templates, perform the steps in the appropriate section below:
   - WebLogic Workshop Domain
   - WLP Domain

   No additional steps are required if you are migrating a domain based on one of following templates: BPM Domain, EAI Domain, Platform Domain, WLI Domain, WLS Domain, WLS Examples, or WLS Petstore.

Note: Before adding or modifying any files, as described in the following sections, it is recommended that you back up the original files.

WebLogic Workshop Domain

Note: The steps described in this section are only required if you are using the WebLogic JRockit SDK. If you are using the Sun Java 2 SDK, no additional migration steps are required.

If you are using the WebLogic JRockit SDK, to migrate a domain that is based on the WebLogic Workshop Domain template to WebLogic Platform 7.0 SP5, update the value of `JAVA_VM` in the `startweblogic` script for your domain to remove the `COMM_VM` variable. By default, the script is located in the following directory:

BEA_HOME\user_projects*domain*

The following excerpt from the `startWebLogic.cmd` script (for Windows) shows the required updates:

Before:

```
set JAVA_VM=%COMM_VM% %JAVA_DEBUG% %JAVA_PROFILE%
```

After:

```
set JAVA_VM=%JAVA_DEBUG% %JAVA_PROFILE%
```

WLP Domain

To migrate a domain that is based on the WLP Domain template to WebLogic Platform 7.0 SP5, perform the following steps:

1. Copy all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\webapps\datasync to your `datasync` Web application directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\portalApp\datasync.

2. Copy all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\webapps\tools to your tools Web application directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\portalApp\tools.

3. Copy all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\webapps\toolSupport to your toolSupport Web application directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\portalApp\toolSupport.

4. Copy all the .jar files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\apps\jars to the *BEA_HOME*\user_projects*domain*\beaApps\portalApp directory for your application.

5. If you have created a portal Web application in your domain, copy all the .jar files from the *BEA_HOME*\weblogic700\common\templates\webapps\portal\baseportal\j2ee\WEB-INF\lib directory to the WEB-INF\lib directory for each of your portal Web applications.

We strongly recommend that you run the Portal Consistency Checker after performing these migration steps to ensure all the necessary files have been copied. The Portal Consistency Checker is available on the dev2dev site at:

http://dev2dev.bea.com/codelibrary/code/portal_consistency_checker.jsp

Performing Manual Steps for WebLogic Platform 7.0 SP6 Migration

This section describes the manual steps that you must perform to migrate your domain to WebLogic Platform 7.0 SP6:

1. Make sure that you have completed the prerequisite steps described in the following table.

If you are migrating a domain created with the following 7.0.*x* release ...	Make sure that you have completed the manual steps required to migrate the domain to ...
WebLogic Platform 7.0	• WebLogic Platform 7.0 SP1, as described in "Performing Manual Steps for WebLogic Platform 7.0 SP1 Migration" on page 12 • WebLogic Platform 7.0 SP2, as described in "Performing Manual Steps for WebLogic Platform 7.0 SP2 Migration" on page 20 • WebLogic Platform 7.0 SP4, as described in "Performing Manual Steps for WebLogic Platform 7.0 SP4 Migration" on page 30 • WebLogic Platform 7.0 SP5, as described in "Performing Manual Steps for WebLogic Platform 7.0 SP5 Migration" on page 32
WebLogic Platform 7.0 SP1	• WebLogic Platform 7.0 SP2, as described in "Performing Manual Steps for WebLogic Platform 7.0 SP2 Migration" on page 20 • WebLogic Platform 7.0 SP4, as described in "Performing Manual Steps for WebLogic Platform 7.0 SP4 Migration" on page 30 • WebLogic Platform 7.0 SP5, as described in "Performing Manual Steps for WebLogic Platform 7.0 SP5 Migration" on page 32
WebLogic Platform 7.0 SP2	• WebLogic Platform 7.0 SP4, as described in "Performing Manual Steps for WebLogic Platform 7.0 SP4 Migration" on page 30 • WebLogic Platform 7.0 SP5, as described in "Performing Manual Steps for WebLogic Platform 7.0 SP5 Migration" on page 32
WebLogic Platform 7.0 SP4	WebLogic Platform 7.0 SP5, as described in "Performing Manual Steps for WebLogic Platform 7.0 SP5 Migration" on page 32
WebLogic Platform 7.0 SP5	You do not have to complete any prerequisite manual steps. Proceed to step 2.

2. If you are migrating a domain based on the WLP, BPM, EAI, or WLI Domain templates, perform the steps in the appropriate section below.
   - WLP Domain
   - BPM, EAI, and WLI Domains

   No additional steps are required if you are migrating a domain based on one of following templates: Platform Domain, WebLogic Workshop, WLS Domain, WLS Examples, or WLS Petstore.

Note: Before adding or modifying any files, as described in the following sections, it is recommended that you back up the original files.

WLP Domain

To migrate a domain that is based on the WLP Domain template to WebLogic Platform 7.0 SP6, perform the following steps:

1. Copy all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\webapps\datasync to your datasync Web application directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\portalApp\datasync.
2. Copy all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\webapps\tools to your tools Web application directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\portalApp\tools.
3. Copy all files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\webapps\toolSupport to your toolSupport Web application directory (by default): *BEA_HOME*\user_projects*domain*\beaApps\portalApp\toolSupport.
4. Copy all the .jar files under *BEA_HOME*\weblogic700\common\templates\domains\shared\bea\portal\apps\jars to the *BEA_HOME*\user_projects*domain*\beaApps\portalApp directory for your application.
5. If you have created a portal Web application in your domain, copy all the .jar files from the *BEA_HOME*\weblogic700\common\templates\webapps\portal\baseportal\j2ee\WEB-INF\lib directory to the WEB-INF\lib directory for each of your portal Web applications.

We strongly recommend that you run the Portal Consistency Checker after performing these migration steps to ensure all the necessary files have been copied. The Portal Consistency Checker is available on the dev2dev site at:

http://dev2dev.bea.com/codelibrary/code/portal_consistency_checker.jsp

BPM, EAI, and WLI Domains

To migrate a domain to WebLogic Platform 7.0 SP6 that is based on the BPM, EAI, or WLI Domain template, modify the domain fileRealm.properties file as follows:

1. Change to the top-level directory of the domain. For example:

```
prompt> cd BEA_HOME/user_projects/myWLIdomain
```

2. Bring the `fileRealm.properties` file into a text editor.
3. Change the value for the `acl.shutdown.weblogic.admin` property to `Administrators` as follows:

   Before:

   `acl.shutdown.weblogic.admin=`*`value`*

   After:

   `acl.shutdown.weblogic.admin=Administrators`

Updating Scripts and Configuration Files on New (Not Upgraded) Installations

Note: This step is required only if you have installed WebLogic Platform in a directory other than the *`BEA_HOME`* directory. If you have *upgraded* an existing WebLogic Platform 7.0 installation, you can skip this step.

The domain startup scripts (such as `startWebLogic`) and configuration files (such as `config.xml`) define the full pathnames of files within the *`BEA_HOME`* directory. You need to search for and update these pathnames to reference the new location of the *`BEA_HOME`* directory. In addition, you must update any custom scripts, such as build scripts, that define the full pathnames of files within the *`BEA_HOME`* directory so that the pathnames reflect the new *`BEA_HOME`* location.

Note: Many startup scripts set environment variables in your current shell, including variables that reference your *`BEA_HOME`* directory. After updating the *`BEA_HOME`* references in script files, you should open a new shell to ensure that the latest environment settings are used.

Switching the Database Used by the Platform Domain

This section walks you through the process of switching the database used by a domain created from the Platform Domain template. You may want to switch databases, for example, if you want to replace the default database for WebLogic Platform, PointBase, with another database supported by WebLogic Platform, such as Oracle.

For information on switching the database used by WebLogic Portal or WebLogic Integration domains, refer to the following documentation:

- For WebLogic Portal domains, follow the procedures described in "Database Administration" in "System Administration" in the *BEA WebLogic Portal Administration Guide* at the following URL:

  http://e-docs.bea.com/wlp/docs70/admin/sysadmin.htm

- For WebLogic Integration domains, use the Integration Database Wizard, or the `wliconfig` command, as described in "Customizing WebLogic Integration" in *Starting, Stopping, and Customizing BEA WebLogic Integration* at the following URL:

  http://e-docs.bea.com/wli/docs70/config/custom.htm

Step 1: Configure Your Database

Before you switch from the default PointBase database to another supported database, you must configure that database. For configuration instructions, see the `README.html` file for your database in the following location:

BEA_HOME\weblogic700\portal\db*db_type**version*\admin

Step 2: Edit db_settings.properties for Your Database Environment

In your domain directory, open the `db_settings.properties` file. For the database type you are using, replace the `@...@` variables with actual values, and save the file.

We recommend that you set up two database user accounts (with separate usernames and passwords): one for accessing the database used by WebLogic Portal; the other, for accessing the database used by WebLogic Integration.

The following code sample shows the Oracle section of the `db_settings.properties` file before any modifications are made.

Listing 1 db_settings.properties File: Before Modifications

```
#------Oracle Thin Driver-----------------------#
#
#@IF_USING_ORACLE_THIN@
#database=ORACLE_THIN
#db_version=817
#jdbcdriver=oracle.jdbc.driver.OracleDriver
#server=@ORACLE_NET_SERVICE_NAME@
```

```
#port=@ORACLE_PORT@
#dblogin=@ORACLE_USER@
#dbpassword=@ORACLE_PASSWORD@
#wlidblogin=@ORACLE_WLI_USER@
#wlidbpassword=@ORACLE_WLI_PASSWORD@
#connection=jdbc:oracle:thin:@@ORACLE_SERVER@:@ORACLE_PORT@:
@ORACLE_SID@
#@ENDIF_USING_ORACLE_THIN@
```

The following code sample shows the modified file.

Listing 2 db_settings.properties File: After Modifications

```
#------Oracle Thin Driver------------------------#
#database=ORACLE_THIN
#db_version=817
#jdbcdriver=oracle.jdbc.driver.OracleDriver
#server=MY817SVC
#port=1521
#dblogin=my_portal_db_username
#dbpassword=my_portal_db_password
#wlidblogin=my_wli_db_username
#wlidbpassword=my_wli_db_password
#connection=jdbc:oracle:thin:@myhost:1521:MY817SID
#@ENDIF_USING_ORACLE_THIN@
```

Note: Do not add or remove the # signs (indicating that a line is a comment) in this file, at this time. In Step 7: Edit db_settings.properties to Uncomment Your Database, you will add and remove # signs, as required, so that the new values take effect when you start the WebLogic Server.

The exact number of the `db_version` setting is important, because it controls which DDL is used. The following table shows the value you must specify for the `db_version` parameter for each type of database listed.

For the following database version ...	Use the following number as the value of db_version ...
DB2 7.2	7
Oracle 8.1.7	817
Oracle 9i	901
Oracle 9.2.0	920
PointBase 4.2	42
Microsoft SQL Server 2000	2000
Sybase 12.5	125

Note: Not all the databases listed in the previous table may be supported currently. For a list of currently supported databases, see "Supported Database Configurations" in *Supported Configurations for WebLogic Platform 7.0* at the following URL:

`http://e-docs.bea.com/platform/suppconfigs/configs70/70_over/supported_db.html`

Step 3: Edit setDBVars and setDBVarsExt for Your Database Environment

To edit `setDBVars` and `setDBVarsExt` for your database environment:

1. Go to the `dbInfo` directory in your domain directory. Then, go to the directory for the database you want to use: DB2, MSSQL, Oracle, PointBase, or Sybase.
2. Open the files in one of the following sets:
   - On Windows: `setDBVars.cmd` and `setDBVarsExt.cmd`
   - On UNIX: `setDBVars` and `setDBVarsExt`
3. In each file, set the environment variables, as appropriate for your database. For details, see "Environment Variables" in "WebLogic Integration Commands" in *Starting, Stopping, and Customizing BEA WebLogic Integration* at the following URL:

   `http://e-docs.bea.com/wli/docs70/config/keycmd.htm`

Step 4: Start WebLogic Server

Before you can access the WebLogic Administration Console, you must start the WebLogic Server.

In your domain directory, start the WebLogic Server:

- On Windows: `startWeblogic.cmd`
- On UNIX: `startWeblogic.sh`

Note: If you want to use PointBase for your database, you do not need to perform any additional steps to create your database; the script will create it for you.

Step 5: Set up the Connection Pools and Realm in the WebLogic Administration Console

For this procedure, open the `db_settings.properties` file in your domain folder (which you updated in Step 2: Edit db_settings.properties for Your Database Environment), and copy values from this file into the WebLogic Administration Console.

1. With WebLogic Server running, go to the following URL in your browser to launch the WebLogic Administration Console: `http://`*`hostname`*`:`*`port`*`/console`.

   For example, if you are working on the machine on which WebLogic Server is installed, go to `http://localhost:7501/console`.

2. Enter the username and password of the WebLogic Server system administrator. By default, both username and password are `weblogic`.
3. In the Console, choose domain→Services→JDBC→Connection Pools.
4. Click and edit `commercePool` by pasting values from the `db_settings.properties` file. For details, see Table 2.
5. Click Apply before clicking a hyperlinked field or moving to another secondary tab.
6. Click and edit `dataSyncPool` by pasting values from the `db_settings.properties` file. For details, see Table 2.
7. Click Apply before clicking a hyperlinked field or moving to another secondary tab.
8. Click and edit `wliPool` by pasting values from the `db_settings.properties` file. For details, see Table 2.

9. Click Apply before clicking a hyperlinked field or moving to another secondary tab.

Table 2 Connection Pool Values for Using Oracle or MS SQL Thin Drivers

Tab	Field	Value
General	URL	For the database type you are using, copy the value of `connection` in the `db_settings.properties` file.
	Driver Classname	For the database type you are using, copy the value of `jdbcdriver` in the `db_settings.properties` file.
	Properties (*`key=value`*)	Enter the list of properties passed to the JDBC Driver to use when creating physical database connections. The properties vary, depending on the database driver you are using. For example, when you are using an Oracle Thin driver, only the user key is required. When MS SQL is used, both user and server keys are required. To determine which properties to use, see the documentation for the driver you are using. If you are specifying properties for `commercePool` or `dataSyncPool`, copy the value of `dblogin` in the `db_settings.properties` file for the database type you are using. For example, if you are using an Oracle Thin driver, specify `user=my_portal_db_username`. If you are specifying properties for `wliPool`, copy the value of `wlidb_login` in the `db_settings.properties` file for the database type you are using. For example, if you are using an Oracle Thin driver, specify `user=my_wli_db_username`.
	ACLName	Leave blank.
	Password	Click Change. You are prompted to enter and retype your database user password for the connection pool you are editing. If you are specifying the password for `commercePool` or `dataSyncPool`, copy the value of `dbpassword` in the `db_settings.properties` file for the database type you are using. If you are specifying the password for `wliPool`, copy the value of `wlidbpassword` in the `db_settings.properties` file for the database type you are using.

10. In the Console, go to domain_name→Compatibility Security→Realms→wlcsRealm.
11. On the Database tab, enter the same Driver Classname and URL you entered in the previous steps, as described in Table 2. In the User Name field, copy the value of `dblogin` in the `db_settings.properties` file for the database type you are using.
12. Click Apply.
13. In the Password field, click Change, and enter and retype your database user password. This password should match the one you specified as the value of `dbpassword` in the `db_settings.properties` file.
14. Click Apply.
15. Click Continue.
16. On the Schema tab, in the Schema Properties (*`key=value`*) field, enter the same properties you entered in the previous steps, as described in the previous table.
17. Click Apply.

Step 6: Stop WebLogic Server

In your domain directory, stop WebLogic Server by running the appropriate script:

- On Windows: `stopWeblogic.cmd`
- On UNIX: `stopWeblogic.sh`

Step 7: Edit db_settings.properties to Uncomment Your Database

Edit `db_settings.properties` file to uncomment the values that you defined in Step 2: Edit db_settings.properties for Your Database Environment:

1. Open the `db_settings.properties` file.
2. Remove the # sign from the beginning of each line in which you specify properties for the database you are using.
3. Comment out the PointBase database settings (by including a # sign at the beginning of each line), and save the file.

Step 8: Run create_db

Run the `create_db` script in your domain folder to create and populate the database. Verify that the output written to `create_db.log` does not contain fatal errors.

Step 9: Restart WebLogic Server

In your domain directory, restart the WebLogic Server:

- On Windows: `startWeblogic.cmd`
- On UNIX: `startWeblogic.sh`

Step 10: Run sync

Run the `sync` command in your domain folder to update the server with the new database data.

Setup is now complete. You should now be able to start and run your Platform domain application against your database.

Step 11: Oracle Only - Rebuild Indexes

The `create_db` script places indexes for the WebLogic Portal tables in the `WEBLOGIC_INDEX` tablespace. If you are not using the default `WEBLOGIC_INDEX` tablespace, you must first edit `rebuild_indexes.sql` to reflect your tablespace name. To run the script to rebuild indexes, complete the following procedure:

1. In a command window, change directories to:

   `PORTAL_HOME``/db/oracle/817/admin`

   Here *`PORTAL_HOME`* is the pathname of the directory in which the WebLogic Portal software is installed (typically, in *`BEAHOME`*`/weblogic700/portal`).

2. Run the following command to start a SQL*Plus session:

   `sqlplus` *`username/password@net_service_name`*

   - *`username`* is the name of the Oracle user account (`WEBLOGIC` by default)
   - *`password`* is the password for the Oracle user account (`WEBLOGIC` by default)
   - *`net_service_name`* is the name of the Net Service that you defined for the Oracle database.

3. Run the following command to rebuild indexes:

   ```
   @rebuild_indexes.sql
   ```

Best Practices

This section provides tips, based on best practices, for installing WebLogic Platform, using the Configuration Wizard, and running the out-of-the-box examples:

- Character Limit for the BEA Home Directory Name
- Naming the Installation Directory
- WebLogic Portal Sample Data
- Using the Platform Domain Template
- Running the WebLogic Platform Sample Application
- Accessing the Documentation Using Netscape Browser 6.x
- Specifying JVM Options in WebLogic Platform 7.0 SP2 and Later

Character Limit for the BEA Home Directory Name

It is recommended that you use 12 characters or fewer when naming your BEA Home directory. If you approach the maximum value of 12 characters, the `CLASSPATH` resolution may not be performed properly.

Naming the Installation Directory

It is recommended that you install WebLogic Platform in a directory with a name that contains no spaces. If the name of your installation directory contains spaces, you may have problems with the startup scripts for the samples and E-Business Control Center (EBCC).

WebLogic Portal Sample Data

As stated in *Installing BEA WebLogic Platform* (`http://e-docs.bea.com/platform/docs70/install/index.html`) WebLogic Portal sample data is installed when you install either the E-Business Control Center (EBCC) or the WebLogic Portal examples. However, before you can run the WebLogic Portal examples, you must have the WebLogic Portal server installed, as well.

Note: When you uninstall either the EBCC or the WebLogic Portal examples, the WebLogic Portal sample data is removed from your system.

Using the Platform Domain Template

When using the Platform Domain template to create a domain that supports all the WebLogic Platform components, keep the following guidelines in mind:

- When creating a Platform Domain Cluster, you must change the targets for `b2bconsole.war` from the Cluster to the Administration Server in the Administration Console.
- If you want to change the username and password after running the Configuration Wizard, you must manually update the `sync.cmd` or `sync.sh`.

  If you change your username and password using the Administration Console after running the Configuration Wizard to create your domain, you must make the same changes in the `sync.cmd` or `sync.sh` scripts found in *BEA_HOME*`\user_projects\`*domain*`\beaApps\portalApp-project`.
- Run `sync.cmd` or `sync.sh` before accessing the portalApp tools.

  Run the `sync.cmd` or `sync.sh` script after starting the server to load the run-time data required by the WebLogic Portal application deployed in the domain.
- The domain name is hardcoded as `platformDomain` in the following files and should not be modified:
  - `create_db.cmd`
  - `create_db.sh`
  - `create_wli.cmd`
  - `create_wli.sh`
  - `db_settings.properties`

  This setting of the domain name enables the WebLogic Integration `create_db` scripts to load the DDLs required for `platformDomain`. Do not change these values.
- Applications provided by BEA are stored in *BEA_HOME*`\user_projects\`*domain*`\beaApps`. However, any new application created using the WebLogic Workshop IDE is created in the *BEA_HOME*`\user_projects\`*domain*`\applications` directory.

Running the WebLogic Platform Sample Application

This section provides a list of best practices to follow when running the WebLogic Platform sample application that is shipped with WebLogic Platform. For specific instructions on running the sample, see *Tour of the BEA WebLogic Platform Sample Application* at the following URL:

`http://e-docs.bea.com/platform/docs70/tour/index.html`

- If, after installing WebLogic Platform, you switch databases by running the `create_db` script and following the WebLogic Integration database instructions, then you must edit your `config.xml` file and remove the `E2EappView_connectionFactory` Application Integration (AI) application.
- If you change the port for the server, then redeploy your application views. Change the port number for your `e2eSetupAppView`, and then run it to deploy on an active server.
- To access the Doc Portlet links for technical information when running the sample application, right-click the link and select Open In New Window. This method is recommended to prevent possible run-time errors that can be thrown when using the browser BACK button.
- To launch the "Take a Live Platform Tour" from the QuickStart page on Solaris, you must first copy the URL into the browser.
- To run the sample application, do not modify the configuration with new passwords, port numbers, and so on. Modifications to the packaged configuration are not supported.

Accessing the Documentation Using Netscape Browser 6.x

If you are viewing the WebLogic Platform online documentation using Netscape 6.x, you may notice some formatting or font discrepancies. For optimal viewing, we recommend you use Netscape 4.7 or 5.x.

Specifying JVM Options in WebLogic Platform 7.0 SP2 and Later

In SP2 and later service pack releases of WebLogic Platform 7.0, the `commEnv` script is provided to make it easier to specify options to be invoked with your JVM, such as `-client`.

The `commEnv` script defines the following environment variables that determine whether a client or server JVM should be run:

- `COMM_CLIENT_VM`

- COMM_SERVER_VM
- COMM_VM

In 7.0 SP4, SP5, and SP6, WebLogic Platform also includes the following commEnv environment variables for setting the standard memory arguments passed to the Java executable (that is, WebLogic JRockit JVM or the Sun JVM):

- COMM_SMALL_MEM_ARGS
- COMM_MEDIUM_MEM_ARGS
- COMM_LARGE_MEM_ARGS

The following table provides usage information for the commEnv environment variables. Which JVM options are valid and available to you depends on which platform you are using and which Java executable is being run.

Table 3 commEnv Environment Variables Usage Information

Use this environment variable...	For the following type of application...	For example...
COMM_CLIENT_VM	Client (such as a GUI)	-hotspot or -client
COMM_SERVER_VM	Server (such as WebLogic Server)	-server or -jrockit
COMM_VM	Either client or server. Recommended setting as long as your application does not require COMM_CLIENT_VM or COMM_SERVER_VM.	COMM_CLIENT_VM or COMM_SERVER_VM
COMM_SMALL_MEM_ARGS	Either client or server	WebLogic JRockit JVM: -Xms64m -Xmx64m Sun JVM: -Xms64m -Xmx64m -XX:MaxPermSize=64m

Table 3 commEnv Environment Variables Usage Information (Continued)

Use this environment variable...	For the following type of application...	For example...

COMM_MEDIUM_MEM_ARGS	Either client or server	WebLogic JRockit JVM:
		`-Xms128m -Xmx128m`
		Sun JVM:
		`-Xms128m -Xmx128m -XX:MaxPermSize=128m`

COMM_LARGE_MEM_ARGS	Either client or server	WebLogic JRockit JVM:
		`-Xms256m -Xmx256m`
		Sun JVM:
		`-Xms256m -Xmx256m -XX:MaxPermSize=256m`

Note: If you are using the WebLogic JRockit JVM with SP4 or SP5, or if you are using SP6 with scripts from a version of WebLogic Platform earlier than 7.0 SP3, make sure that you are using valid command-line options when starting WebLogic JRockit. If you use an invalid option, particularly any `-XX` option, WebLogic JRockit exits. (In previous versions, invalid options were ignored.) For more information, see "Using WebLogic JRockit 7.0 SP6 with Older WebLogic Platform Scripts" in the *BEA WebLogic JRockit 7.0 SDK User Guide* at the following URL:

`http://e-docs.bea.com/wljrockit/docs70/relnotes/relnotes.html`

The `commEnv` variables are used in both the WebLogic Platform samples and any custom domains created with the Configuration Wizard.

We recommend setting JVM options by using the environment variables provided by `commEnv`. See the script that is appropriate for your platform:

- On Windows: *BEAHOME*`\weblogic700\common\bin\commEnv.cmd`
- On UNIX: *BEAHOME*`/weblogic700/common/bin/commEnv.sh`

When you use `commEnv` instead of hard-coding your environment variables, you no longer need to specify the platform or the WebLogic JRockit SDK when you run your script.

Example Script

The following Windows script uses `commEnv.cmd` to run the WebLogic JRockit JVM:

```
SET WL_HOME=c:\bea\weblogic700
SET JDK_HOME=c:\bea\jrockit70sp6_131_14

CALL %WL_HOME%\common\bin\commEnv.cmd

"%JDK_HOME%\bin\java" %COMM_SERVER_VM% myclass
```

In this example, `WL_HOME` represents the directory in which you installed WebLogic Platform.

Problems Fixed

This section provides solutions to problems found in WebLogic Platform. Specifically, it provides:

- Fixes Delivered in SP1
- Fixes Delivered in SP2
- Fixes Delivered in SP4
- Fix Delivered in SP5
- Fixes Delivered in SP6

Each list of resolved problems may not be all-inclusive since there may have been other internal-only product changes in the service pack. If you experience product issues, please contact BEA Customer Support for assistance with diagnosing the root cause of your issue and finding an acceptable resolution.

To review the problems fixed in WebLogic Platform product components, see their respective release notes: `WebLogic Server`, `WebLogic Workshop`, `WebLogic Integration`, `WebLogic Portal`, `WebLogic JRockit.`

Fixes Delivered in SP1

The following table lists selected problems fixed in BEA WebLogic Platform 7.0 SP1, including a CR (Change Request) number for each problem. Some of these problems were originally documented in the *BEA WebLogic Platform Release Notes* for Release 7.0.

Table 4 Problems Fixed in BEA WebLogic Platform 7.0 SP1

Change Request Number	Description
CR078423	Startup scripts do not allow servers to start. This problem was caused in some cases by the length of the input line. The length of the `CLASSPATH` has been reduced. Note that the definition of *`BEA_HOME`* should be limited to a maximum range of 10 to 12 characters.
CR078737	The Platform Domain template should support clustering, not just a single server.
CR080029	The QuickStart link to the WebLogic Integration tutorial targets the incorrect document.
CR080377	b2c throws run-time error on Netscape 4.7. Unable to locate portlet state for portlet checkout.

Fixes Delivered in SP2

The following table lists selected problems fixed in BEA WebLogic Platform 7.0 SP2, including a CR (Change Request) number for each problem. Many of these problems were originally documented in the *Release Notes* for BEA WebLogic Platform 7.0 or BEA WebLogic Platform 7.0 Service Pack 1.

Table 5 Problems Fixed in BEA WebLogic Platform 7.0 SP2

Change Request Number	Description
CR080423	In QuickStart, screen appears blank when Netscape browser is used on a UNIX platform. As a result, QuickStart is inaccessible when Netscape browser is launched.
CR080526	Explanation on e2eAppTools returns HTTP 404 error:
CR081153	Generic installer fails to detect lack of sufficient space for complete installation.
CR081523	On UNIX platforms other than Linux (that is, on AIX, HP-UX, or Solaris), you cannot install WebLogic Workshop Application View Control.
CR081842	When executing the stop command within a domain to stop the running server, an exception may be written to the weblogic.log file.

Table 5 Problems Fixed in BEA WebLogic Platform 7.0 SP2 (Continued)

Change Request Number	Description
CR82012	`WebservicesEJB.jsp` does not compile in domains created using the Configuration Wizard that are based on the WLS Example domain template.
CR083994	`startWebLogic.sh` does not handle nopointbase argument.
CR083997	When a domain is generated by using one of several domain templates (for Platform, WLP, WLS, and so on) the Listen Address is not added, by default, to the `config.xml` file in *`BEA_HOME`*`\user_projects\domain`.
CR084109	WebLogic Platform clustered domain: exceptions are logged in Administration Server log file when Managed Servers are being shut down.
CR084155	QuickStart application is not displayed correctly on Red Hat Linux 7.2 platform.
CR084292	WLP Template:SSL information for Managed Server is not stored in the `config.xml` file on an Administration Server.
CR084464	Assertion exceptions in Configuration Wizard Platform Domain template.
CR084695	Problem with WebLogic Platform Sample Application on UNIX systems.
CR085203	SSL exception with RosettaNet2 in firewall configuration and IIS proxy.
CR085531	Update GPR to reflect WebLogic Workshop as a component in all eligible releases.
CR085583	Typical installation does not result in full installation.
CR087360	Portal EBCC component is not supported with JRockit 7.0 SP1 SDK on Windows.
CR087956	JRockit may deadlock or crash if `SIGHUP` is received during execution of the WebLogic Integration samples or the WebLogic Integration RosettaNet samples on Red Hat Linux Advanced Server 2.1 with JRockit 7.0 SP1 SDK.
CR090148	PointBase server dies unexpectedly during execution of WebLogic Integration Samples with PointBase on top of JRockit.
CR090186	WLS 7.0 SP1 - java.sql.SQLException: ORA-01591: lock held by in-doubt distributed transaction
CR091228	Got NPE in firewall RN2.0 test.

Table 5 Problems Fixed in BEA WebLogic Platform 7.0 SP2 (Continued)

Change Request Number	Description
CR091239	WLW 7.0 SP1 - Large number of transactions roll back when an event is run on an AppView Control
CR091702	Regression: Got core dump when running managed server on Solaris.
CR092483	Server startup/shutdown problems with JRockit for WLS SP2
CR092681	ORA-01591: lock held by in-doubt distributed transaction using Oracle Thin XA driver during BPM recovery testing
CR092703	Got NPE thrown by certicom in firewall RN2.0 test
CR092742	The RN11 workflow failed to complete in a cluster.
CR092851	Using the DTD part of the XML document, it is possible to cause the XML parser to consume 100% of the CPU or a lot of memory.
CR092895	Steps are needed for upgrading domains to use the new BPM features.
CR093003	Callback from `async` is not invoked
CR093007	Use `aiimportexport` script to import Application View gave exception
CR093116	`AdapterDesignTimeTestCase` login method does not work with JRockit
CR093119	`AdapterDesginTimeTestCase` login method does not work with JRockit.
CR093127	Failed to deploy AppView to one of the managed servers in a cluster.
CR093195	XA failure in WLI recovery, when Oracle 9.2.0.1 Thin XA driver and 9.2.0.1 server were used.
CR093280	`xmlx.jar` is not updated when WebLogic Platform 7.0sp2 ja upgrade installer is run.
CR093281	Workflow will not be started by a post-XML event, if the organization ID is specified in Japanese.
CR093307	JRockit: AppView control callback from async is not invoked.
CR093382	Managed server fails to reboot using previous config file after admin server down.
CR093510	RN2Security sample hangs on Solaris with `outOfMemory` error

Table 5 Problems Fixed in BEA WebLogic Platform 7.0 SP2 (Continued)

Change Request Number	Description
CR093663	Entity EJB with concurrency strategy of Exclusive is not locked across cluster.
CR093724	JVM crash (core dump) when kill (Control + c) the managed server (WLI-Other)
CR093753	Problem with accessing Repository with HTTP adapter.
CR093828	WLS 6.1 SP4 - a Web tier communicating with an EJB tier hangs when the EJB tier closes the `ConnectionManager` due to missed RJVM heartbeats
CR093929	One managed server fails to reboot using previous config file after admin server down.
CR094008	JVM failed to deploy AppView to one of several managed servers in a cluster.
CR095162	Load NTSocketMuxer on Windows XP instead of PosixSocketMuxer

Fixes Delivered in SP4

The following table lists selected problems fixed in BEA WebLogic Platform 7.0 SP4, including a CR (Change Request) number for each problem. Many of these problems were originally documented in the *Release Notes* for BEA WebLogic Platform 7.0 or BEA WebLogic Platform 7.0 SP1 or SP2.

Table 6 Problems Fixed in BEA WebLogic Platform 7.0 SP4

Change Request Number	Description
CR094041	JTA and JMS migration sometimes fail as a result of a race condition.
CR094109	Failover functionality in Apache plugins does not work.
CR094722	`socketWrite` error on Administration Server in clusters while the Managed Servers are being booted.
CR099887	Smart Update does not work on HP-UX.
CR100933	JRockit 7.0 SP2 RP1 cannot recognize `-XX:MaxNewSize` option
CR101796	Platform template will generate problematic domain if the template is used in silent mode

Fix Delivered in SP5

The following table lists the problem fixed in BEA WebLogic Platform 7.0 SP5, including the CR (Change Request) number.

Table 7 Problems Fixed in BEA WebLogic Platform 7.0 SP5

Change Request Number	Description
CR120193	Warning message displayed when running SmartUpdate on Linux installers.

Fixes Delivered in SP6

The following table lists the problem fixed in BEA WebLogic Platform 7.0 SP6, including the CR (Change Request) number.

Table 8 Problems Fixed in BEA WebLogic Platform 7.0 SP6

Change Request Number	Description
CR173360	Configuration Wizard silent mode fails to target cgJMSServer in a cluster.
CR175635	WebLogic Server installation for HP-UX 11.0 on PA-RISC and Windows: Issue when creating a WebLogic Workshop domain.
CR177600	Edit required in `commEnv` file after Smart Update from WebLogic Platform 7.0 SP4 with WebLogic JRockit to 7.0 SP5 with Sun SDK.
CR194073	`BAD_CERTIFICATE` exception is generated during 2 way SSL

Known Limitations

This section describes limitations that have been identified in the current service pack of BEA WebLogic Platform. The following sections provide descriptions and, whenever possible, workarounds:

- Tracked Problems
- Limitations on WebLogic JRockit SDK Support

- JVM Configurations
- Performance Considerations
- DB2 Considerations
- Considerations About Apache Version 2.0.4.3
- Considerations About Apache Versions Prior to 2.0.48

To review the known limitations in WebLogic Platform product components, see their respective release notes: WebLogic Server, WebLogic Workshop, WebLogic Integration, WebLogic Portal, WebLogic JRockit.

Tracked Problems

The following table presents a list of limitations that have been identified in this service pack. For each problem described, a CR (Change Request) number is specified. These numbers are used by BEA to track solutions to problems as they are being developed. If you need assistance in tracking unresolved problems, please contact BEA Customer Support and refer to the appropriate CR number.

For contact information, go to the following URL:

`http://www.bea.com/support/contact_cs.shtml`

1	**CR072310**	**Installer does not remove hidden .Workshop file.**
	Problem	When WebLogic Platform is uninstalled, the hidden `.Workshop` file is not deleted. The `.Workshop` file contains user-specific configuration parameters for the WebLogic Workshop visual development environment. As a result, after reinstallation, attempts to invoke WebLogic Workshop may result in errors because the tool is referencing an obsolete configuration information within this file. For more information on the `.Workshop` file, refer to the following URL: `http://e-docs.bea.com/workshop/docs70/help/index.html#reference/configfiles/conDotWorkshopConfigurationFile.html`
	Platform	All
	Workaround	Delete the hidden `.Workshop` file before reinstalling WebLogic Workshop. The `.Workshop` file is located in the user's home directory. On Windows platforms, the user's home directory is indicated by the `%USERPROFILE%` environment variable. On UNIX and Linux platforms, the `.Workshop` file is located in the ~ (tilde) directory (sometimes also represented in the environment by `$HOME`).
2	**CR072761**	**The PointBase server does not automatically terminate when WebLogic Portal servers are stopped using Ctrl-C.**
	Problem	When you stop a WebLogic Portal server by pressing Ctrl-C instead of running a stop script or closing the command window (by clicking the close icon), the PointBase server continues to run in the background.
	Platform	All
	Workaround	Stop the server by running a stop script or closing the command window (by clicking the Close icon). If you stop the server by pressing Ctrl-C to close the command window, stop the PointBase server by stopping the background `java.exe` process.

3	**CR076141**	**No executable permission for startWeblogic file under user domains on Solaris**
	Problem	After a user domain is created using a BPM Domain, EAI Domain, and WLI Domain template, some files under *user_domain* (such as `wliconfig` and `startWeblogic`) do not have execute permision.
	Platform	Solaris
	Workaround	Before trying to execute a script within the domain, make sure the script has execute permissions. If it does not, enable execution permissions using the `chmod` command. For example, to enable execution permissions for the `startWebLogic.sh` script, enter the following command: `chmod +x startWebLogic.sh` For more information, see the `chmod` man page.
4	**CR078315**	**wliconfig (console mode) does not complete on Solaris.**
	Problem	If a PointBase database is running on a Solaris platform as a result of executing the `wliconfig` command and you attempt to re-execute the `wliconfig` command, the command will not complete.
	Platform	Solaris
	Workaround	You can shut down the PointBase server before re-executing the `wliconfig` command to avoid this condition. However, please note that you cannot modify existing parameters for a previously selected database type using the `wliconfig` command.

5	**CR078518**	**WebLogic Integration does not support some options that are selectable from the Configuration Wizard.**
	Problem	The BPM Domain, EAI Domain, and WLI Domain templates support only two of the four Configuration Wizard server types. You must select one of the following server types: • Single Server (Standalone Server) • Admin Server with Clustered Managed Server(s) The Managed Server(s) or Managed Server options result in an invalid configuration for the Administration Server.
	Platform	All
	Workaround	When the BPM Domain, EAI Domain, and WLI Domain templates are used, you must select one of the following server types: • Single Server (Standalone Server) • Admin Server with Clustered Managed Server(s) Do not select either of the following server types: • Admin Server with Managed Server(s) • Managed Server (with owning Admin Server Configuration)

6	**CR078529**	**Switch Database configuration option to the wliconfig command fails the second time if it is issued for the same database.**
	Problem	By design, you cannot modify existing parameters for a previously selected database type using the `wliconfig` command. For example, if you have selected Oracle as the database type, you cannot use the `wliconfig` command to change parameters for your Oracle database. You can, however, use the command to switch to another database type.
	Platform	All
	Workaround	Edit the `setDBVars` and `setDBVarsExt` files to set or change the database connection parameters. The `setDBVars` and `setDBVarsExt` files are located in the following locations: • *SAMPLES_HOME*`\integration\config\samples\dbInfo\`*database_type* • *SAMPLES_HOME*`\integration\config\samples\RN2Security\config\peer1\dbInfo\`*database_type* • *SAMPLES_HOME*`\integration\config\samples\RN2Security\config\peer2\dbInfo\`*database_type* In the above pathnames, *SAMPLES_HOME* is the samples installation directory and *database_type* is the type of database to which you are connecting. For more information about the `setDBVars` and `setDBVarsExt` files, see "WebLogic Integration Commands" in *Starting, Stopping, and Customizing WebLogic Integration* at the following URL: `http://e-docs.bea.com/wli/docs70/config/keycmd.htm`
7	**CR078971**	**Platform Domain template icon is missing in the Configuration Wizard.**
	Problem	If you uninstall the WebLogic Platform sample application (Platform Tour), the Platform Domain template will no longer be available through the Configuration Wizard.
	Platform	All
	Workaround	Make sure the WebLogic Platform sample application (Platform Tour) is installed. The Platform Domain template also requires: • WebLogic Server • WebLogic Integration • WebLogic Portal • WebLogic Workshop • WebLogic Workshop Samples

8	**CR079101**	**User needs indication that PointBase connection is not closed.**
	Problem	Because the PointBase command window is no longer visible, the user does not have an indication that PointBase is still running. The PointBase connection is not terminated immediately when a user stops a server. If the user attempts to restart the server on PointBase before the PointBase connection closes, the user receives an error message saying that it is not possible to create a database connection.
	Platform	All
	Workaround	Be aware that terminating the PointBase connection can take up to 4-5 minutes to close. If you receive an error message when attempting to restart the server, wait a few minutes and then try again.
9	**CR079490**	**java.security.PrivilegedActionException when modifying SecurityConfiguration credential.**
	Problem	If you modify the `SecurityConfiguration` element in the `config.xml` file and subsequently attempt to start the server, a `java.security.PrivilegedActionException` is logged.
	Platform	All
	Workaround	Shut down the server and delete the `_ServletContextidnameDbmsEvent*****.xml` and `_ServletContextidnameDbmsEvent*****_temp` files from `e2eDomain`. Then restart the server.
10	**CR079492**	**Application View E2EAppView.sav fails to deploy when server is started on another port.**
	Problem	The `e2eAppView` is tightly coupled with port 7501. The port number is defined in the `e2eAppViewDeployer.java` source file which is used, at run-time, while the `e2eAppView` is being deployed.
	Platform	All
	Workaround	To deploy the application view on port other than 7501, you must change all port number references from 7501 to the new port number in `e2eSetupAppView.cmd` or `e2eSetupAppView.sh`, and in the `SetSampleData` script that is called from the `e2eSetupAppView` script.

11	**CR079752**	**PointBase does not shut down when stop scripts are used in domains created with Configuration Wizard and WLI templates.**
	Problem	A `stopWeblogic` script populated in a domain that was created using the Configuration Wizard and WLI templates does not shut down PointBase.
	Platform	All
	Workaround	Use the `stoppointbase` script to shut down PointBase.
12	**CR079917**	**Not all user domain shortcuts are created.**
	Problem	When the Configuration Wizard is run as part of the installation process, only a few user domain shortcuts are created on the Start Menu, depending on the order of the domains being created.
	Platform	Windows NT (SP6)
	Workaround	Initiate the Configuration Wizard outside the installation process and create your user domains. This problem does not occur when you create user domains by launching the Configuration Wizard independently of the installation process.
13	**CR080402**	**QuickStart on install has no shell.**
	Problem	If you run QuickStart at the end of the Solaris installation, QuickStart launches and the installation program ends, but no shell remains running. Because there is no shell running to receive output from a server started through QuickStart, when you click on a link, you cannot tell if/when the server has started successfully. Most of the links on the QuickStart page start up a separate browser for an application when the server has finished booting. However, if you click on the Portal Example Server, you must click on a second link, Start the Portal Example, to run the example. Because you cannot easily see when the server has finished booting, it is difficult to know when to click on Start the Portal Example link to run the example.
	Platform	Solaris
	Workaround	Launch QuickStart from the `quickstart.sh` script found in the *`BEA_HOME`*`\weblogic700\common\bin` directory. You can also check the corresponding `weblogic.log` file to see if the server has booted. For example, the `weblogic.log` file for Portal Example Server is located in *`BEA_HOME`*`\weblogic700\samples\portal\sampleportalDomain\logs`.

14	**CR082039**	**Error message in log file: ManagedConnectionFactory.**
	Problem	While the upgrade installer is being used, an error message similar to the following may appear in the log file: `####<Jul 17, 2002 11:30:49 AM MDT> <Error> <Connector> <joe-2k> <e2eServer> <Thread-7> <kernel identity> <> <190004> <ManagedConnectionFactory not found for jndiName com.bea.wlai.connectionFactories.E2EAppView.sav_connectionFactoryInstance.>`
	Platform	All
	Workaround	This error message does not affect the functionality of the product; it can be ignored. The display of the error message is caused by the deployment sequence of the code; it does not have any negative impact.
15	**CR082062**	**QuickStart could not bring up Netscape 4.7x if LANG=C.**
	Problem	If, after launching QuickStart on a UNIX platform (Solaris and HP-UX only), you select a link, a dialog box might appear prompting you to choose a Web browser. Even if you select the correct Netscape browser, QuickStart may fail to start the application.
	Platform	UNIX (Solaris and HP-UX only)
	Workaround	Terminate QuickStart, unset the `LANG` environment variable (manually or by using a wrapper function), and restart the QuickStart application.
16	**CR083467**	**ArrayIndexOutOfBoundsException occurs intermittently when wliconfig.cmd is being used to create a database.**
	Problem	Occasionally, the following error message is displayed when running the `wliconfig` script: `Exception occurred during event dispatching: java.lang.ArrayIndexOutOfBoundsException: No such child: 0` This exception is harmless; a database of the selected type is created without problems.
	Platform	All
	Workaround	This error message does not affect the functionality of the product; it can be ignored.

17	**CR086668**	**Running JRockit 7.0 SP1 SDK with `-Xthinthreads` is not supported.**
	Problem	JRockit 7.0 SP1 does not support the use of the `-Xthinthreads` option with J2SE 1.3.1. Therefore this option is not available when you are running WebLogic Platform 7.0 SP1.
	Platform	N/A
	Workaround	None
18	**CR094921**	**In the WLI 7.0 SP2 Samples domain, port number "7001" is hard-coded.**
	Problem	The port number 7001 is popular: it is used in WLW and WLS samples, as well as in the WLI Samples domain. Users should keep in mind that this number is hard-coded in multiple components.
	Platform	N/A
	Workaround	If you are having trouble, consider the possibility that the same port is being used by other users on the same machine.
19	**CR103591**	**Username containing a comma does not work in compatibility mode security realms.**
	Problem	If you use the Configuration Wizard or the WebLogic Server Administration Console to create a username that contains a comma, the username will not exist in a domain that has been configured to use Compatibility security.
	Platform	All
	Workaround	There is no workaround. Usernames defined in a security realm in a domain that has been configured to use Compatibility security cannot contain a comma.
20	**CR107512**	**Issue when using Smart Update with a proxy.**
	Problem	There are issues with using Smart Update with a proxy. During the Smart Update process, the hard-coded proxy settings are not carried over or recognized.
	Platform	N/A
	Workaround	None.

21	**CR108708**	**Applications deployed in a WebLogic Workshop domain can only reference the log4j.jar file shipped with WebLogic Workshop.**
	Problem	Applications that are deployed in a WebLogic Workshop domain can only reference the `log4j.jar` file shipped with WebLogic Workshop.WebLogic Workshop uses log4j for debugging, and loads its installed version when the server is started. Applications that reference a different `log4j.jar` file will fail at deployment time.
	Platform	N/A
	Workaround	None.
22	**CR128767**	**Oracle 10g driver - setString() using multibyte character set with Japanese characters fails.**
	Problem	The Oracle 10g GA driver has a known issue: When you are using the multibyte character set with Japanese characters, a call to the `setString()` method fails. A patch to the Oracle 10g GA driver is required (Oracle TAR 3584729.994, Oracle Bug3437365).
	Platform	N/A
	Workaround	WebLogic Platform 7.0 SP6 is certified with the Oracle10g driver that is bundled with the kit and includes this patch. If you are using the Oracle 10g GA driver, you are strongly encouraged to obtain the related patch from Oracle.
23	**CR136530**	**WebLogic Workshop does not start on Windows 2003.**
	Problem	WebLogic Workshop does not start appropriately on the Windows 2003 platform. When invoked, the initial screen opens and then closes, and the file `javaw.exe` stays running in the Task Manager.
	Platform	N/A
	Workaround	None.
24	**CR172462**	**WebLogic Server jDriver problems using the AL32UTF8 character set with Oracle 9.2.**
	Problem	The WebLogic Server jDriver does not function properly with Oracle 9.2 when using the AL32UTF8 character set.
	Platform	N/A
	Workaround	A software patch is available. Please contact your customer service representative to obtain a copy of the patch.

25	**CR173725**	**Invalid batch value exception using Oracle Thin Driver 10g.**
	Problem	The batch value cannot exceed 16383 when using the Oracle Thin Driver 10g.
	Platform	N/A
	Workaround	Ensure that the batch size does not exceed 16383. Alternatively, you can use the Oracle 9.2.0 driver.
26	**CR189177**	**Server running WebLogic Platform sample generates exceptions after rollback from SP5 to SP4.**
	Problem	If you complete the following procedure, the WebLogic Platform sample application runs, but generates exceptions. 1. Install the WebLogic Platform 7.0 SP4 and start the WebLogic Platform sample application. No exceptions are generated when the server is started. 2. Upgrade the installed WebLogic Platform 7.0 software from SP4 to SP5. 3. Start the WebLogic Platform sample application. No WebLogic Server exceptions are generated. 4. Run the `uninstall` script to restore the WebLogic Platform 7.0 installation to SP4. 5. Start the WebLogic Platform sample application. Exceptions are generated as the server is started and runs; however, the sample application runs correctly. Note that the Administration Server runs without generating exceptions.
	Platform	IBM AIX 5.1 on PowerPC and POWER4
	Workaround	To avoid causing an exception when you start the WebLogic Platform sample application after performing a rollback from 7.0 SP5 to 7.0 SP4, after the rollback procedure remove the following files from the e2eDomain folder. (This folder is located in the *`WL_HOME`*`/samples/platform` directory.) • `_ServletContextidnameDbmsEventRoutercontextpathDbmsEventRouter_EventRouter.xml` • `_ServletContextidnameDbmsEventRoutercontextpathDbmsEventRouter_tmp` • `running-managed-servers.xml` If you remove these files before starting the WebLogic Platform sample application, no exception is thrown.

27	**CR209755**	**stopweblogic.cmd does not stop the server**
	Problem	When you use the `stopWeblogic` script to stop a server that is running in a domain that has been upgraded to 7.0 SP6, the server fails to stop and the following message is displayed: `Server "myserver" failed to shutdown successfully ...` This problem occurs in domains based on the BPM, EAI, and WLI templates.
	Platform	All
	Workaround	After you migrate a domain to WebLogic Platform 7.0 SP6 that is based on the BPM, EAI, or WLI Domain template, modify the domain `fileRealm.properties` file so that the value of the `acl.shutdown.weblogic.admin` property is set to `Administrators`. For example: **Before:** `acl.shutdown.weblogic.admin=`*`value`* **After:** `acl.shutdown.weblogic.admin=Administrators`
28	**CR210641**	**JSP compilation fails on solaris due to use of space in webapp name**
	Problem	Including a space character in the name of a Web application causes the compilation of the application's associated JSP files to fail. This problem occurs in WLI domains.
	Platform	Solaris
	Workaround	None. The name of a Web application created in a WLI domain cannot contain a space character.
29	**CR212749**	**Cannot start WebLogic Server from WebLogic Workshop in the samples domain**
	Problem	If you try to start WebLogic Server from the WebLogic Workshop IDE to run the `HelloWorld.jws` sample Web service, WebLogic Server fails to start. This problem happens when attempting to start WebLogic Server from the IDE to run any of the sample applications in *`WL_HOME`*`/samples/workshop` directory.
	Platform	All
	Workaround	After you click the Start button to run an application from the Workshop IDE, and click Ok to start an instance of WebLogic Server, enter a valid username and password in the command window in which WebLogic Server is started.

30	**CR218501**	**Screens in the WebLogic Platform 7.0 SP6 upgrade installer for Windows have the wrong label.**
	Problem	Some of the screens in the package upgrade installer for WebLogic Platform 7.0 SP6 contain the label "WebLogic Server 7.0 SP6" instead of "WebLogic Platform 7.0 SP6." This occurs in the upgrade installer when run in either graphical mode or console mode.
	Platform	Windows
	Workaround	None. These incorrect labels have no effect on the ability of the package upgrade installer to upgrade the entire set of WebLogic Platform components. You may use this installer to upgrade all WebLogic Platform components, as appropriate, or WebLogic Server only.

Limitations on WebLogic JRockit SDK Support

The following lists the limitations on WebLogic JRockit 7.0 SP1/SP2/SP4/SP5/SP6 SDK support:

- The WebLogic JRockit SDK does not support JVMDI (the JVM debugging interface). Therefore, when you launch a WebLogic Workshop server, include the `nodebug` option on the `startWebLogic.cmd` or `startWebLogic.sh` command line. Your command line should look like one of the following:
  - `./startWebLogic.sh nodebug`
  - `startWebLogic nodebug`
- The WebLogic Workshop IDE runs on Sun JRE 1.4.0, which is installed under *`BEA_HOME`*`/weblogic700/workshop/jdk1.4`. However, because the WebLogic JRockit SDK does not support JVMDI (the JVM debugging interface), the WebLogic Workshop IDE has not been tested to collect debugging information while WebLogic Workshop servers are running on the WebLogic JRockit SDK.

JVM Configurations

A problem has been identified with configuring the Java 2 SDK versions 1.3.1_06, 1.3.1_08, 1.3.1_10, and 1.3.1_14 to run the Java HotSpot server VM (`-server` option) on Windows. The workaround is to use the `-hotspot` option, which invokes the Java HotSpot client VM. For example, to invoke the HotSpot client to start your server, you add the following line to your start script(s):

```
set JAVA_VM=-hotspot
```

For more information about HotSpot, go the following URL:

http://java.sun.com/products/hotspot

Performance Considerations

Relative performance of WebLogic Platform may vary, depending on your selection of SDK and the nature of your application. For proper configuration options, see one of the following:

- *BEA WebLogic Server Performance and Tuning*:

  http://e-docs.bea.com/wls/docs70/perform/index.html

- *BEA WebLogic JRockit 7.0 SDK Performance Tuning Guide*:

  http://e-docs.bea.com/wljrockit/docs70/tuning/index.html

- Appropriate Java SDK documentation

DB2 Considerations

- If you run the WebLogic Integration Sample with the DB2 database without setting the `DB2_RR_TO_RS=ON` flag (in the DB2 configuration file), then the Sample fails. Be sure to set this flag. For more information, see your DB2 documentation.
- The DB2 Type 2 driver, `COM.ibm.db2.jdbc.app.DB2Driver`, includes both application and network drivers. The URL for it is `jdbc:db2:`*`db-alias`*, where *`db-alias`* represents the name of the appropriate database instance.

Considerations About Apache Version 2.0.4.3

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 obsolete versions 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.

Considerations About Apache Versions Prior to 2.0.48

If your configuration includes an Apache Web server version prior to 2.0.48, keep in mind the following restrictions:

- WebLogic Platform offers plug-in fixes only for version 2.0.48 and higher versions of the Apache Web server.
- WebLogic Platform supports the multithreaded option only when used with version 2.0.48 and higher versions of the Apache Web server.