



# BEAProducts

## **Installation and Configuration Release Notes**

BEA WebLogic Server® Version 9.2  
BEA WebLogic Portal® Version 9.2  
BEA Workshop for WebLogic Platform™ Version 9.2  
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# BEA Products Installation and Configuration Release Notes

This document provides information about new capabilities, usage notes, and known limitations related to the installation and configuration of BEA Weblogic Server<sup>®</sup> 9.2, BEA WebLogic Portal<sup>®</sup> 9.2 and BEA Workshop for WebLogic Platform<sup>™</sup> 9.2. This document also provides information about WebLogic Server upgrade tools and the new capabilities provided for Independent Software Vendor (ISV) partners.

The following topics are included:

- [What's New in Installation and Configuration](#)
- [What's New in BEA WebLogic Portal 9.2](#)
- [What's New in BEA Workshop for WebLogic Platform 9.2](#)
- [What's New in BEA WebLogic Server 9.2](#)
- [Supported Configurations and Special Installation Instructions](#)
- [Licensing](#)
- [Switching JDKs](#)
- [Customer Support](#)
- [Known Limitations](#)
- [Problems Fixed](#)

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

<http://edocs.bea.com>

For detailed information about the BEA products encompassed by the WebLogic Portal 9.2, BEA Workshop for WebLogic Platform 9.2, and WebLogic Server 9.2 releases, including BEA JRockit J2SE 5.0 (R26.0) JDK, which is contained in the installation of these products, see the corresponding *Release Notes* document as follows:

For detailed release information about . . .	See the following Release Notes document . . .
WebLogic Portal 9.2	<a href="http://e-docs.bea.com/wlp/docs92/relnotes/index.html">http://e-docs.bea.com/wlp/docs92/relnotes/index.html</a>
WebLogic Server 9.2	<ul style="list-style-type: none"> <li>What's New in BEA WebLogic Server: <a href="http://e-docs.bea.com/wls/docs92/notes/index.html">http://e-docs.bea.com/wls/docs92/notes/index.html</a></li> <li>BEA WebLogic Server Known and Resolved Issues: <a href="http://e-docs.bea.com/wls/docs92/issues/index.html">http://e-docs.bea.com/wls/docs92/issues/index.html</a></li> </ul>
BEA Workshop for WebLogic Platform 9.2	<ul style="list-style-type: none"> <li>What's New in Workshop for WebLogic Platform: <a href="http://e-docs.bea.com/workshop/docs92/ws_platform/introduction/conWhatsNew.html">http://e-docs.bea.com/workshop/docs92/ws_platform/introduction/conWhatsNew.html</a></li> <li>BEA Workshop for WebLogic Platform 9.2 Release Notes: <a href="http://e-docs.bea.com/workshop/docs92/relnotes/index.html">http://e-docs.bea.com/workshop/docs92/relnotes/index.html</a></li> </ul>
BEA JRockit J2SE 5.0 JDK	<i><a href="#">BEA JRockit 5.0 (R26.0) JDK Release Notes</a></i>

## What's New in Installation and Configuration

The following list summarizes new features and changes in the installation and configuration tools used with BEA WebLogic Server 9.2, BEA WebLogic Portal 9.2 and BEA Workshop for WebLogic Platform 9.2.

### Upgrade

WebLogic 9.2 includes powerful tools to assist you with upgrading your application environments including the WebLogic Upgrade Wizard for upgrading domains, custom security providers, and custom node managers, and BEA Workshop for WebLogic Platform 9.2 for upgrading WebLogic Workshop and WebLogic Portal applications.

Most WebLogic Server applications can be run without modifications in the new WebLogic Server 9.2 application environment. WebLogic Workshop and WebLogic Portal applications developed in 8.1 must be upgraded first before they can be run in WebLogic 9.2.

[Table 1](#) below provides pointers to additional documents with information on upgrading application environments to WebLogic 9.2.

**Table 1 Upgrading Your Application Environment to WebLogic 9.2**

To upgrade application environments based on...	From Version...	See...
WebLogic Server	6.1, 7.0, 8.1, 9.0, and 9.1	<p>For information on upgrading WebLogic Server application environments from 6.1, 7.0, and 8.1, see <a href="#">Upgrading WebLogic Application Environments</a>.</p> <p>For information on upgrading WebLogic Server application environments from 9.0 and 9.1, see <a href="#">Roadmap for Upgrading WebLogic Application Environments</a>.</p>
WebLogic Workshop	8.1 SP4, SP5 and SP6	<p>For information on upgrading WebLogic Workshop application environments, see <a href="#">Upgrading from WebLogic Workshop 8.1</a>.</p> <p>For information on domain upgrade see, <a href="#">Upgrading a WebLogic Domain in Upgrading WebLogic Application Environments</a>.</p>
WebLogic Portal	8.1 SP4, SP5 and SP6	<p>For information on upgrading WebLogic Portal application environments, see the <a href="#">WebLogic Portal Upgrade Guide</a> and the <a href="#">Upgrading WebLogic Portal Projects from Version 8.1 to Version 9.2</a> chapter of the <a href="#">Portal Development Guide</a>.</p> <p>For information about domain upgrade, see <a href="#">Upgrading a WebLogic Domain in Upgrading WebLogic Application Environments</a>.</p>
BEA JRockit		N/A. There is no required procedure.

For information on changes between 8.1 and 9.2, and for a list of unsupported usage patterns with applicable workarounds, see:

- [BEA Workshop for WebLogic Platform](#)
- [BEA WebLogic Portal](#)
- [BEA WebLogic Server](#)

## Rolling Upgrade

Rolling Upgrade is the process of upgrading a running WebLogic Server cluster with a patch, maintenance pack, or minor release without shutting down the entire cluster or domain. During the rolling upgrade of a cluster, each server in the cluster is individually upgraded and restarted while the other servers in the cluster continue to host your application.

Prior to the WebLogic Server 9.2 release, to upgrade a cluster, you had to either shutdown the entire domain, or install the upgraded server version on a parallel domain on additional hardware and use a load balancer to transfer load from the old domain to the new domain. The rolling upgrade process minimizes downtime and allows you to install a patch, maintenance pack, or minor release while the domain is still running.

Note: Rolling Upgrade cannot be used to upgrade a WebLogic Portal or BEA Workshop for WebLogic Platform domain.

For more information see, [WebLogic Server Rolling Upgrade](#).

## Smart Update

Smart Update has been enhanced to support BEA WebLogic Server 9.2, BEA Workshop for WebLogic Platform 9.2, and BEA WebLogic Portal 9.2.

Smart Update is a standalone Java application that you can run independently of BEA software to upgrade your software installations quickly and easily with maintenance patches and service packs. When you install a BEA product for the first time, Smart Update is automatically installed in your BEA Home directory.

Smart Update is enhanced from time to time with new features, and is made available on the BEA download server.

The new version of Smart Update is placed on the BEA download server: if you log in using an earlier version of Smart Update, the latest version is pushed to your machine, and it is installed automatically.

After the installation, you will be prompted to close and start Smart Update again. Click **Yes** to start Smart Update, and continue with managing your patch maintenance.



When you start Smart Update at a later point, the updated version will be invoked.

For more information, see [Installing Maintenance Updates and Service Packs](#).

## Configuration Wizard

In this release, the Configuration Wizard has been enhanced to support the creation of BEA WebLogic Server, BEA Workshop for WebLogic Platform, and BEA WebLogic Portal enabled domains.

For more information, see [Creating WebLogic Domains Using the Configuration Wizard](#).

## Domain and Extension Templates

In this release, the following new domain and extension templates have been added:

- WebLogic Simple Producer (Portal) Extension (`wsrp-simple-producer.jar`) — Extends the basic WebLogic Server domain by importing the resources needed to support WebLogic Simple Producer (Portal) functionality. Use this template to enable the development of WebLogic Simple Producer applications in existing domains.
- WebLogic GroupSpace Framework Extension (`wlp_groupspacedb.jar`) — Extends a domain containing WebLogic Server, Portal and Personalization resources to include the database resources required for WebLogic GroupSpace.
- WebLogic GroupSpace (`wlp_groupspace.jar`) — Extends a domain containing WebLogic Portal, Personalization and GroupSpace Framework resources to include pre-configured GroupSpace Application Resources.
- Advanced Web Services Extension (`wls_webservice.jar`) — Extends an existing WebLogic Server domain to add functionality required for advanced Web Services, including WSRM, Buffering, and JMS Transport.
- BEA Workshop for WebLogic Extension Template (`workshop_wl.jar`) — Extends the Basic WebLogic Server domain to create a BEA Workshop for WebLogic domain.

For more information, see [Domain Template Reference](#).

## What's New in BEA WebLogic Portal 9.2

BEA Workshop for WebLogic Platform™ 9.2 and WebLogic Portal® 9.2 provide new and improved functionality for building enterprise portal applications, including:

- Workshop for WebLogic Platform — The Eclipse framework IDE for developing enterprise-class applications that run on WebLogic.
- A redesigned WebLogic Portal Administration Console, with a contemporary look and feel, powerful new features, and significant usability improvements.
- Workshop for WebLogic Platform visual editors for the WebLogic Portal 9.2 data types and an upgrade framework for WebLogic Portal 8.1 applications.
- Content Management enhancements including a WYSIWYG editor, customizable workflows, content type inheritance, nested types, and content templates.
- Enhanced support for portal federation (books, pages, and portlets), with improvements in the ability to consume a remote portlet from the administration and development tools.
- A communities framework that provides enhanced support for building collaborative end-user-managed sites, including the out-of-the-box GroupSpace application template.

For more information about new features, see [What's New in BEA WebLogic Portal 9.2](#). For information about known limitations and workarounds, see [Known Limitations and Workarounds in BEA WebLogic Portal 9.2](#).

## What's New in BEA Workshop for WebLogic Platform 9.2

Workshop for WebLogic Platform integrates open sources technologies into a development experience with a focus on easing the creation of complex applications. This release of Workshop for WebLogic Platform has the following enhancements and new features:

- An IDE built on Eclipse 3.1
- Apache Beehive technologies
- Support for Java Server Faces
- Support for standards-based Java web services
- Support for Java 5 annotations
- Tools for upgrading applications from version 8.1

For more information about new features, see [What's New in BEA Workshop for WebLogic Platform](#).

For information about known limitations, see [Known Limitations for Workshop for WebLogic Platform](#).

# What's New in BEA WebLogic Server 9.2

The following sections describe new and changed functionality in this WebLogic Server® release. For more information about new features, see [What's New in BEA WebLogic Server](#). For information about known limitations and problems fixed, see [BEA WebLogic Server Known and Resolved Issues](#).

## Security

The following features are new to WebLogic security in this release:

- Support for Custom XACML Roles and Policies
- Customizable Security Roles and Policies for WebLogic Server MBeans
- WebLogic Server Security for Custom MBeans
- Bulk Access Versions of Authorization, Adjudication, and Role Mapping Providers
- Policy and Role Consumer SSPI

## Administration Console Extensions

In this release, Administration Console extensions that use these third-party JSP tag libraries from the WebLogic Server installation must use predefined, absolute URIs to specify the tag libraries. The Administration Console `web.xml` file maps these URIs to tag libraries within the WebLogic Server installation. This mapping facility enables BEA to reorganize its installation directory without requiring you to change your JSPs.

## JDBC and JTA

The following features are new to WebLogic JDBC and JTA in this release.

- Dynamic Multi Data Sources
- LLR Support for Transaction Recovery Service Migration
- Improved Data Source Controls
- Microsoft SQL Server 2005 Support

## Diagnostics

Performance of the WebLogic Diagnostics Framework (WLDF) and the WLDF Console Extension have been enhanced with the addition of new features.

## Messaging

This release of WebLogic Server includes the following improvements in WebLogic Server JMS, Messaging Bridge, and the Store-and-Forward service:

- Client-Side Store-and-Forward for Reliable JMS Messaging
- Automatic Failover for JMS Message Consumers
- Unit-of-Work Message Groups
- WebLogic Store Administration Utility
- Improved Non-Persistent Messaging Performance with One-Way Message Sends
- Deprecation of Messaging Bridge Adapter for WebLogic Server 5.1

## Web Services

Web Services in this release of WebLogic Server include the following new and changed features:

- Implementation of the WS-SecureConversations Specification
- Callbacks
- SOAP 1.2 Support
- Web Services Invocation Using Multiple Transports
- Streaming SOAP Attachments
- Configurable Server Addresses in the Dynamic WSDL
- Web Services Testing Feature in Administration Console
- WSSecurityInfo API for Viewing Security-Related SOAP Headers
- JWS Annotation Additions and Changes
- Web Services Ant Task Changes

- Miscellaneous Web Services Changes and Additions
- Deprecated Web Services Features

## Deployment

The following deployment features were added in this release of WebLogic Server.

- Production redeployment is now fully supported for Web Services, both stateless and stateful services that use more advanced features such as conversations and reliable messaging.
- You can specify a grace period (in seconds) for processing of RMI client requests when retiring or gracefully shutting down an application.

## Filtering Class Loader

In this release of WebLogic Server, WebLogic FilteringClassLoader enables users to configure deployment descriptors to explicitly specify packages that are always loaded from the application, rather than being loaded using the system classloader.

## Migration and Clustering

The following features related to migration and clustering were added in this release:

- Automatic Singleton Service Migration
- Independent Support for Leasing in a Cluster
- Job Scheduler

## Web Applications, Servlets, and JSPs

In this release of WebLogic Server, Web applications, servlets, and JSPs include the following new and changed features:

- WebApp Libraries
- JSF and JSTL Libraries
- Using Two-Way SSL with Generic Proxy Servlets
- Servlet Authentication Fallback Mechanism

- Future Response Model for HTTP Servlets
- Deprecated Servlet Features

## WebLogic Tuxedo Connector

In this release of WebLogic Server, WebLogic Tuxedo Connector includes the following new and changed features:

- Dynamic Configuration Support for WTC Queuing Bridge
- WTC Performance Enhancements

## Supported Configurations and Special Installation Instructions

Information about configurations supported by BEA WebLogic Server, BEA WebLogic Portal and BEA Workshop for WebLogic Platform, including hardware and software requirements, is provided from the Supported Configurations page at the following URL:

<http://edocs.bea.com/platform/supconfig/index.html>

The documents available from the preceding page also include special installation and usage instructions, which are required for some operating systems.

## Licensing

To use the WebLogic Portal and BEA Workshop for WebLogic Platform software, you must have a valid license file installed on your system. When you install WebLogic Portal 9.2 or BEA Workshop for WebLogic Platform 9.2, the installation program installs a non-expiring development license to enable you to start using the software immediately. The development license is a full license, enabling use of all component features of the product software available from the installer.

To add a license for additional functionality, you need to update the `license.bea` file in your BEA Home directory. Please refer to “[Installing and Updating License Files](#)” in the *BEA Products Installation Guide* for more information.

In this release, the following BEA JRockit licenses are available:

- The BEA JRockit JDK installed with your software includes the BEA JRockit Mission Control tools suite. A separate license is required to use these tools. For more information about the JRockit Mission Control license types, see [Licensing](#).
- BEA JRockit also includes the Mercury Profiling Tools. Installation of these tools is optional. If you choose to install them, you are prompted to accept the Mercury Tools license agreement. You must accept the license agreement to install the tools. For more information about these tools, see <http://www.mercury.com/us/products/diagnostics>.

For more information about the license packages available, see [Licensing](#).

## Switching JDKs

The following instructions are provided for users who have already installed either WebLogic Portal 9.2, BEA Workshop for WebLogic Platform 9.2, or WebLogic Server 9.2 and want to switch from Sun Java 2 to BEA JRockit, or vice-versa:

1. Examine the WebLogic Server start script. This script is located in the `bin` subdirectory of your domain's root directory and, by default, is named `startWebLogic.cmd` (Windows) or `startWebLogic.sh` (UNIX).

2. Locate the settings for the following two variables:

- `JAVA_VENDOR`
- `JAVA_HOME`

3. If these variables are set within the script, change them as appropriate.

The following `set JAVA_VENDOR` and `set JAVA_HOME` commands specify the BEA JRockit J2SE 5.0 JDK, where `c:\bea` is the BEA home directory:

```
set JAVA_VENDOR=BEA
set JAVA_HOME=c:\bea\jrockit90_150_04
```

For Sun, the equivalent commands are as follows:

```
set JAVA_VENDOR=Sun
set JAVA_HOME=c:\bea\jdk150_04
```

4. If the `JAVA_VENDOR` variable is not set in the WebLogic Server start script, then you need to set the default JDK in the `setDomainEnv.cmd` (Windows) or `setDomainEnv.sh` (UNIX) script as described in this step. The `setDomainEnv` script is also located in the `bin` subdirectory of the domain's root directory.

The following two code snippets show the switching of the default JDK from Sun Java 2 JDK 5.0 to BEA JRockit J2SE 5.0 (R26.0) JDK in `commEnv.cmd` on Windows. In these snippets, the BEA home directory is `c:\bea`.

The first code snippet shows the initial settings that establish Sun Java 2 JDK 5.0 as the default:

```
if "%JAVA_VENDOR%"=="BEA" (
    set JAVA_HOME=C:\bea\jrockit90_150_04
) else (
    if "%JAVA_VENDOR%"=="Sun" (
        set JAVA_HOME=C:\bea\jdk150_04
    ) else (
        set JAVA_VENDOR=Sun
        set JAVA_HOME=C:\bea\jdk150_04
    )
)
```

The second code snippet shows the changes, **in bold**, made to switch to JRockit as the default:

```
if "%JAVA_VENDOR%"=="BEA" (
    set JAVA_HOME=C:\bea\jrockit90_150_04
) else (
    if "%JAVA_VENDOR%"=="Sun" (
        set JAVA_HOME=C:\bea\jdk150_04
    ) else (
        set JAVA_VENDOR=BEA
        set JAVA_HOME=C:\bea\jrockit90_150_04
    )
)
```

For more information about BEA support for BEA JRockit and the Sun Java 2 JDK, see *[Supported Configurations for WebLogic Server, WebLogic Portal, and Workshop for WebLogic Platform - Version 9.2.](#)*

## Customer Support

If you have any questions about this version of WebLogic Server 9.2, WebLogic Portal 9.2 or BEA Workshop for WebLogic Platform 9.2, or if you have problems installing and running the product, contact BEA Customer Support through BEA eSupport at:

<http://support.bea.com>

You can also contact Customer Support by using the contact information provided on the BEA Customer Support card, which is included in the product package.

When contacting Customer Support, be prepared to provide the following information:



- Your name, e-mail address, phone number, and fax number
- Your company name and company address
- Your machine type and authorization codes
- The name and version of the product you are using
- A description of the problem and the content of pertinent error messages

## Known Limitations

This section describes problems that have been identified in the installation and configuration software delivered with WebLogic Server 9.2, WebLogic Portal 9.2 and BEA Workshop for WebLogic Platform 9.2. Whenever possible, workarounds are provided.

For each problem described, a tracking number is specified. These numbers enable BEA and users to monitor the status of issues while solutions are being developed.

Problem ID	Description
CR214849	<p><b>Thread dump occurs when Ctrl+C is used to stop server</b></p> <p>Using Ctrl+C to stop a WebLogic Server instance results in a thread dump in the command window from which the server was started. This problem occurs because the RDBMS configured for the domain halts before the WebLogic Server shutdown procedure is completed.</p> <p>This problem can happen in either the WebLogic Server Examples domain or Avitek Medical Records domain when configured with the default PointBase RDBMS, but potentially can happen in any domain in which the RDBMS is configured to start and stop with WebLogic Server.</p> <p><b>Operating System:</b> Windows</p> <p><b>Workaround:</b> The recommended way to shut down a WebLogic Server instance is via the WebLogic Server Administration Console. For details, see <a href="#">“Starting and Stopping Servers”</a> in <i>Managing Server Startup and Shutdown</i>.</p>

Problem ID	Description
CR220653	<p><b>WebLogic Server fails to start and displays the message that the server is not found in the WL_HOME directory</b></p> <p>A message similar to the following is displayed when you try to start WebLogic Server:</p> <p>The WebLogic Server wasn't found in directory <i>directory-name</i>. Please edit the <code>setWLSEnv.cmd</code> script so that the <code>WL_HOME</code> variable points to the WebLogic installation directory. Your environment has not been set.</p> <p>This problem is caused by a Windows bug that limits the length of the directory name you can use for the BEA Home directory.</p> <p><b>Operating System:</b> All</p> <p><b>Workaround:</b> Do not choose a BEA Home directory name that contains more than 12 characters.</p>
CR224184	<p><b>PointBase is not disabled after a domain is extended using two or more extension templates, and an extension template other than the first is used to change the database from PointBase to a production RDBMS</b></p> <p>If you extend a domain using two or more extension templates, and switch the database from PointBase to a production RDBMS when applying the second template or a subsequent one, PointBase is not disabled for the domain.</p> <p><b>Operating System:</b> All</p> <p><b>Workaround:</b> Two workarounds can be used to avoid this problem, as follows:</p> <ul style="list-style-type: none"><li>• When extending the domain using the first extension template, specify the production RDBMS. This step ensures that subsequent extension templates do not re-enable PointBase.</li><li>• When starting the domain, run the WebLogic Server start script specifying the <code>nopointbase</code> option. For example:</li></ul> <p><b>UNIX:</b></p> <pre>startWebLogic.sh nopointbase</pre> <p><b>Windows:</b></p> <pre>startWebLogic nopointbase</pre>

Problem ID	Description
<b>CR224337</b>	<p data-bbox="315 354 1228 414"><b>Server fails to start when domain name includes a dot and the dot is preceded and followed by strings of a certain length</b></p> <p data-bbox="315 430 1228 482">If you create a domain and assign a name that has all the following characteristics, the domain will not start:</p> <ul data-bbox="315 498 865 597" style="list-style-type: none"> <li>• The name includes the period character (.).</li> <li>• Two alphanumeric characters precede the period.</li> <li>• Five or more alphanumeric characters follow the dot.</li> </ul> <p data-bbox="315 612 1018 638">For example, a domain created with the name <code>zq.domain</code> will not start.</p> <p data-bbox="315 654 545 680"><b>Operating System:</b> All</p> <p data-bbox="315 696 1009 722"><b>Workaround:</b> When choosing a domain name, do one of the following:</p> <ul data-bbox="315 737 1228 819" style="list-style-type: none"> <li>• Do not use a name that contains a dot character.</li> <li>• If you use a dot character, make sure that you provide more than two characters preceding the dot.</li> </ul>
<b>CR227881</b>	<p data-bbox="315 850 973 876"><b>Limited support in Template Builder for compatibility-mode security</b></p> <p data-bbox="315 892 1228 973">When using the Domain Template Builder to create a template from a domain that contains a Compatibility security configuration, you cannot create or assign additional users, groups, and global roles.</p> <p data-bbox="315 989 545 1015"><b>Operating System:</b> All</p> <p data-bbox="315 1031 1228 1112"><b>Workaround:</b> After you create a domain based on a template that contains a Compatibility security configuration, boot the domain and add users, groups, and roles via the WebLogic Server Administration Console.</p>
<b>CR228401</b>	<p data-bbox="315 1144 1228 1204"><b>A single-server domain cannot be configured correctly by deleting all but one server from a clustered domain template</b></p> <p data-bbox="315 1220 1228 1333">Neither the Configuration Wizard nor WLST offline support the creation of a single-server domain based on a template of a clustered domain from which all but one server are removed. The reason for this restriction is that a clustered domain template contains no initial single-server targeting state, which is needed when you attempt to make this type of customization.</p> <p data-bbox="315 1348 545 1374"><b>Operating System:</b> All</p> <p data-bbox="315 1390 1228 1442"><b>Workaround:</b> If you are creating a single-server domain, choose a template that is not created from, or based on, a domain that is clustered.</p>

Problem ID	Description
CR229655	<p><b>Exception <code>java.lang.UnsupportedOperationException</code> thrown from domain configured using WLST offline</b></p> <p>When operating in offline mode, WLST does not support the creation of security roles. If a WLST offline script includes statements that define security roles, WLST terminates abnormally when executing the script, throwing the <code>java.lang.UnsupportedOperationException</code> exception.</p> <p><b>Operating System:</b> All</p> <p><b>Workaround:</b> Use WLST in online mode to specify security roles.</p>
CR229700	<p><b>QuickStart is not displayed correctly after installation</b></p> <p>When installing AquaLogic Service Bus or WebLogic Server, if you specify a directory for either the BEA Home directory or WebLogic Server Home directory that contains a multibyte character set in the directory name, QuickStart is not displayed correctly after the installation is complete.</p> <p><b>Operating System:</b> Any system in which the Sun Java 2 J2SE 5.0 is used.</p> <p><b>Workaround:</b> During installation, choose directories for BEA Home and WebLogic Server Home with names that include only the ASCII character set.</p>

Problem ID	Description
<b>CR230483</b>	<p data-bbox="315 354 1153 380"><b>Configuration of application-scoped resources cannot be changed in domain template</b></p> <p data-bbox="315 397 1228 539">If you create a template or extension template of a domain that contains application-scoped resources, and then create or extend a clustered domain on the basis of that template or extension, the Configuration Wizard may not properly retarget the application-scoped resources. If the template on which a clustered domain is based contains application-scoped JMS or JDBC resources, the domain may fail to start.</p> <p data-bbox="315 557 545 583"><b>Operating System:</b> All</p> <p data-bbox="315 600 1130 626"><b>Workaround:</b> Note the following best practices for creating domains and templates:</p> <ul data-bbox="315 635 1228 1083" style="list-style-type: none"> <li>• When creating a domain or extension template, include only JMS and JDBC resources that are global to the domain and that can be customized during the domain creation process; for example, JDBC data source and JMS file store settings for the domain, or cluster configuration settings.</li> <li>• Rely on the application and on the application deployment process to create the required application-scoped resources in the target environment.</li> <li>• If you are migrating an application from a non-clustered to a clustered domain, and the application includes packaged JMS resources for which you want to have scalability and load balancing, you can do the following: <ul data-bbox="354 921 1214 1083" style="list-style-type: none"> <li>— In place of each JMS queue in the packaged JMS module, create a uniform distributed JMS queue.</li> <li>— Configure a JMS server for each Managed Server in the cluster.</li> <li>— Include the connection factory and the uniform distributed queues in the same sub deployment group, and deploy them to the cluster.</li> </ul> </li> </ul> <p data-bbox="354 1095 1228 1208">When the application is deployed, each Managed Server in the cluster has a connection factory and a member for each distributed queue. For information about configuring JMS for a clustered environment, see <a href="#">“Configuring Clustered WebLogic JMS Resources”</a> in <i>Configuring and Managing WebLogic JMS</i>.</p> <ul data-bbox="315 1222 1228 1364" style="list-style-type: none"> <li>• After you create or extend the domain, you may need to perform additional steps to make sure that the application and its application-scoped resources are targeted and deployed properly for a clustered environment. For more information on the targeting and deployment of application-scoped modules, see <a href="#">“Deploying Applications and Modules”</a> in <i>Deploying Applications to WebLogic Server</i>.</li> </ul>

Problem ID	Description
<b>CR234871</b>	<b>Installer hangs on Windows XP during Node Manager configuration</b> <p>If you choose to install Node Manager as a Windows service, which is an option available via a custom installation, the installation program may hang after you specify a listen port for Node Manager.</p> <p>This problem may occur if Windows Firewall is running, and the listen port chosen for Node Manager has not been specified as a Windows Firewall exception.</p> <p><b>Operating System:</b> Windows XP Professional with Service Pack 2</p> <p><b>Workaround:</b> Before you run the installation program, do either of the following:</p> <ul style="list-style-type: none"><li>• Turn off Windows Firewall (recommended)</li><li>• Add the port you want to use for the Node Manager listen port as a Windows Firewall exception</li></ul> <p>If you choose to turn off Windows Firewall prior to installation, you can turn it back on after the installation procedure is complete.</p>
<b>CR244593</b>	<b>Servers for both WebLogic examples and Avitek Medical Records sample cannot be started at the same time due to database conflicts</b> <p>You cannot start or run the servers in the domains for the WebLogic examples and Avitek Medical Records (MedRec) sample at the same time because both servers reference the same database files.</p> <p><b>Operating System:</b> All</p> <p><b>Workaround:</b> Do not attempt to run both sample servers simultaneously. Stop one server before starting the other one.</p>
<b>CR250829</b>	<b>QuickStart and Start menu options are not working properly after installing WebLogic Platform</b> <p>Some QuickStart menu options like start WebLogic Server, Start AquaLogic Server Bus are not working properly. In addition, options like Start Menu-&gt;BEA Products-&gt;Examples-&gt;WebLogicServer-&gt;Start Examples Server or Start MedicalRecords Server are not working properly.</p> <p><b>Operating System:</b> All</p> <p><b>Workaround:</b> Make sure that the WebLogic Server path does not contain the . (period) character.</p>

Problem ID	Description
<b>CR251454</b>	<p><b>GUI cannot refresh patches installed from command line without restart</b></p> <p>If you use the Smart Update graphical and command-line interfaces simultaneously, patches that you apply via the command-line interface are not visible from the GUI when you refresh the view.</p> <p><b>Operating System:</b> All</p> <p><b>Workaround:</b> Exit and restart the Smart Update GUI to view the new patch.</p>
<b>CR253493</b>	<p><b>Uninstall component does not remove component patches automatically</b></p> <p>If you uninstall any component, the patches associated with that component are not removed automatically. The patched artifacts may have been removed as part of the un-installation but the patch is still shown as applied.</p> <p><b>Operating System:</b> All</p> <p><b>Workaround:</b> Use Smart Update to remove the patches associated with the component before un-installation.</p>
<b>CR254744</b>	<p><b>Smart Update graphical interface displays java.util.ConcurrentModificationException in rare cases</b></p> <p>In rare cases, when using the Smart Update graphical interface, the following exception may be displayed:</p> <pre>java.util.ConcurrentModificationException     at java.util.TreeMap\$PrivateEntryIterator.nextEntry (TreeMap.java:1031 )     at java.util.TreeMap\$KeyIterator.next (TreeMap.java:1058)     at com.bea.plateng.patch.gui.PatchStoreTableModel.getRowCount (PatchSt oreTableModel.java:199)</pre> <p><b>Operating System:</b> All</p> <p><b>Workaround:</b> This exception can be ignored.</p>

Problem ID	Description
<b>CR255640</b>	<p><b>Smart Update's patch profile maintenance snapshot text file is poorly formatted when viewed in Notepad</b></p> <p>The patch profile maintenance snapshot file produced by Smart Update cannot be easily viewed in common text editors, such as Notepad. The snapshot file does not contain conventional line breaks, which results in poorly formatted columns that cannot be easily read.</p> <p><b>Operating System:</b> All</p> <p><b>Workaround:</b> Use a text editor such as WordPad or TextPad to view this file. You do not need to reformat this file when sending it to BEA Customer Support.</p>
<b>CR255650</b>	<p><b>Invalidated patches should not list other invalidated patches as their replacement</b></p> <p>When you display details about an invalidated patch, the ID of the replacement patch may be provided. But if the replacement patch is subsequently invalidated by BEA Customer Support, this ID will not be updated and will refer to an invalidated patch.</p> <p><b>Operating System:</b> All</p> <p><b>Workaround:</b> Contact BEA Customer Support.</p>
<b>CR265983</b>	<p><b>During application upgrade, annotations for com.bea.control.ServiceControl are not generated</b></p> <p>While upgrading from 8.1.x to 9.2, annotations are sometimes not generated for the service control during application upgrade.</p> <p><b>Operating System:</b> ALL</p> <p><b>Workaround:</b> In Workshop, right-click on the control source file and select the <i>Upgrade Source File(s)...</i> option.</p> <p>The appropriate annotation is added in the Java file. For example, the annotation could be</p> <pre>@ServiceControl.Location(urls = {     "http://ws.cdyne.com/delayedstockquote/delayedstockquote.asmx"; })</pre> <p>If all the annotations have not been added after this operation, a compiler error is displayed. You need to then manually add the missing annotations to the control.</p> <p>After updating the Java file, you can build and deploy the service control.</p>
<b>CR266759</b>	<p><b>Callbacks do not work with bumpy case packages</b></p> <p>Web Services that define a Callback interface with a mixed case package name will fail to compile with jwsc.</p> <p><b>Operating System:</b> All</p> <p><b>Workaround:</b> Create the Callback interface in a lower cased package.</p>



Problem ID	Description
<b>CR270499</b>	<p data-bbox="315 354 1150 381"><b>Editing wsrp-wsdl-template.wsdl requires supporting files to be copied to the web-app</b></p> <p data-bbox="315 397 1224 453">If you copy and edit <code>wsrp-wsdl-template.wsdl</code> to your web application, you also need to copy the following files from <code>wlp-wsrp-producer-web-lib.war</code> to your web-app:</p> <ul data-bbox="315 465 697 791" style="list-style-type: none"> <li>• <code>wlp_wsrp_v11_types.xsd</code></li> <li>• <code>wlp_wsrp_v1_types.xsd</code></li> <li>• <code>wsrp_v1_full.wsdl</code></li> <li>• <code>wsrp_v1_types.xsd</code></li> <li>• <code>wsrp-wsdl-template.wsdl</code></li> <li>• <code>wlp_wsrp_v1_bindings.wsdl</code></li> <li>• <code>wsrp_v1_bindings.wsdl</code></li> <li>• <code>wsrp_v1_interfaces.wsdl</code></li> <li>• <code>wsrp-wsdl-full.wsdl</code></li> <li>• <code>xml.xsd</code></li> </ul> <p data-bbox="315 805 545 833"><b>Operating System:</b> All</p>
<b>CR271218</b>	<p data-bbox="315 859 639 887"><b>Unknown Publisher Security Alert</b></p> <p data-bbox="315 902 1186 986">On the Windows platform, an Unknown Publisher security alert may be encountered when launching a downloaded 9.2 installer, even though BEA's digital signature is present and correctly registered.</p> <p data-bbox="315 1001 1228 1085">This is a known Microsoft Windows problem with very large digitally-signed files. BEA has already filed a support case with Microsoft, Case # SRX060608602617. Contact BEA Customer Support for more information.</p> <p data-bbox="315 1100 606 1128"><b>Operating System:</b> Windows</p>

Problem ID	Description
CR274160	<p><b>When you create a cluster domain using Configuration Wizard by modifying the admin server name from default AdminServer, and the admin server listen-address to IP address or DNS name, not with localhost, some of the applications may not be deployed on managed servers.</b></p> <p>The following errors may be seen while starting managed servers due to inappropriate applications target to cluster from All Local Addresses (the default listen-address) to a specific IP address or DNS name. The errors do not occur if you create the cluster domain using the <a href="#">WLST Offline script</a>.</p> <p>If you have created an ALSB Cluster Domain, the following error message is displayed:</p> <pre>####Jun 21, 2006 2:58:51 PM EDT&gt; &lt;Error&gt; &lt;Deployer&gt; &lt;pint21&gt; &lt;ms1&gt; &lt;[ACTIVE] ExecuteThread: '0' for queue: 'weblogic.kernel.Default (self-tuning)'&gt; &lt;&lt;WLS Kernel&gt;&gt; &lt;&gt; &lt;&gt; &lt;1150916331219&gt; &lt;BEA-149231&gt; &lt;Unable to set the activation state to true for the application 'XBus Kernel'.java.lang.NullPointerException</pre> <p>If you have created Portal Cluster Domain, the following error message is displayed:</p> <pre>####Jun 21, 2006 3:22:08 PM EDT&gt; &lt;Error&gt; &lt;Store&gt; &lt;pint21&gt; &lt;ms1&gt; &lt;[ACTIVE] ExecuteThread: '0' for queue: 'weblogic.kernel.Default (self-tuning)'&gt; &lt;&lt;WLS Kernel&gt;&gt; &lt;&gt; &lt;&gt; &lt;1150917728094&gt; &lt;BEA-280061&gt; &lt;The persistent store "pfProliferationJMSSStore_auto_1" could not be deployed: weblogic.store.PersistentStoreException: Can't find JDBC DataSource portalFrameworkPoolNeverXA:</pre> <p><b>Workaround:</b></p> <p>Do one of the following:</p> <ul style="list-style-type: none"> <li>While creating the cluster domain using Config Wizard, change the admin server name from the default name AdminServer, but retain the listen address as default All Local Addresses. After you have created the cluster domain, start admin server and change admin server listen-address using WLS console. For more information about changing the listen-address from WLS console, see <a href="http://e-docs.bea.com/wls/docs91/ConsoleHelp/taskhelp/channels/ConfigureListenAddresses.html">http://e-docs.bea.com/wls/docs91/ConsoleHelp/taskhelp/channels/ConfigureListenAddresses.html</a></li> <li>In the configuration Wizard, select the WebLogic Server checkbox, and create a WebLogic Server cluster domain, with a specified Admin Server Name and IP address. Secondly, select the ALSB or Portal checkboxes, and extend the created cluster domain with ALSB or Portal component.</li> </ul> <p><b>Operating System:</b> All</p>

Problem ID	Description
<b>CR275553</b>	<p data-bbox="317 354 1210 380"><b>Warning messages displayed while bringing up the BEA Workshop for WebLogic Platform IDE</b></p> <p data-bbox="317 397 1210 453">While bringing up the BEA Workshop for WebLogic Platform IDE on Solaris 10, you might encounter warning messages.</p> <p data-bbox="317 470 1180 526">This is a Solaris 10 issue. These are harmless messages. You can ignore the messages and proceed.</p> <p data-bbox="317 539 610 565"><b>Operating System:</b> Solaris 10</p>
<b>CR280837</b>	<p data-bbox="317 591 1228 678">On Solaris, when multiple users run Domain Provisioning tools like the Configuration Wizard, Domain Stop Server Script or WLST Off-Line Scripting, it is possible that subsequent users of the tool might encounter error messages like:</p> <pre data-bbox="317 696 1204 1078"> *sys-package-mgr*: can't write cache file for '/home/wimbleton/load12/jdk150_04/lib/tools.jar' *sys-package-mgr*: can't write cache file for '/home/wimbleton/load12/weblogic91/server/lib/weblogic.jar' *sys-package-mgr*: can't write cache file for '/home/wimbleton/load12/weblogic91/server/lib/webservices.jar' *sys-package-mgr*: can't write cache file for '/home/wimbleton/load12/jdk150_04/jre/lib/rt.jar' *sys-package-mgr*: can't write cache file for '/home/wimbleton/load12/jdk150_04/jre/lib/jsse.jar' </pre> <p data-bbox="317 1095 1228 1208">This message appears because WLST creates a temporary directory (for example, on Solaris it is /var/tmp/wlstTemp) that gets shared by all users and it is unable to differentiate between users. As a result, access to the directory gets blocked when the user accessing the directory is not the one who originally created the directory.</p> <p data-bbox="317 1225 834 1251"><b>Workaround:</b> Manually adjust directory permissions.</p>
<b>CR283064</b>	<p data-bbox="317 1277 1228 1333"><b>Specifying an incorrect custom profile causes bsu to display warning messages and execute the command against the default profile</b></p> <p data-bbox="317 1350 1228 1437">When using Smart Update (bsu) in the console mode, if you specify an incorrect custom profile using the <code>-profile</code> argument with <code>-install</code>, <code>-remove</code> and <code>-view</code>, the tool prints out a warning message and executes the command against the Default profile.</p> <p data-bbox="317 1454 1228 1506">In certain circumstances, especially with the <code>remove</code> command, this might produce undesirable results, requiring you to reinstall a patch to the Default profile.</p> <p data-bbox="317 1524 545 1550"><b>Operating System:</b> All</p>

Problem ID	Description
<b>CR283601</b>	<p><b>Smart Update Help displays an ‘Unable to Open’ error message if the URL being accessed contains the shortcut character ‘#’</b></p> <p>On Windows 2000, you might encounter an ‘Unable to Open’ error message when Smart Update Help tries to access a page that contains the shortcut character ‘#’.</p> <p><b>Workaround:</b> Open a browser window and directly type the URL or invoke Smart Update Online Help from: <code>BEA_HOME\utils\bsu\doc\en\smartupdatehelp\index.html</code></p> <p><b>Operating System:</b> Windows 2000</p>
<b>CR286040</b>	<p><b>Using WLST to run a script that uses loadProperties fails when a property name in the file contains improper characters.</b></p> <p>An error message is displayed when you use loadProperties to load a property that contains a . (period) character in the property name.</p> <p><b>Operating System:</b> All</p> <p><b>Workaround:</b> In the loadProperties file, specify the property name without using the . (period) character. For example, use sbm instead of sbm.db.default as property name.</p>
<b>CR288438</b>	<p><b>Patch application does not enforce product check in command-line mode</b></p> <p>If you installed WebLogic Integration in command-line mode, and opted to apply patches automatically (by selecting option 1) after successful completion of the installation, the installer automatically applies patches to WebLogic Server, BEA Workshop for WebLogic Platform, and WebLogic Portal. The installer does not check whether WebLogic Portal is installed or not; the patches to WebLogic Portal are applied even when WebLogic Portal is not installed.</p> <p>If WebLogic Portal is installed at a later point, the installer overwrites the patches but Smart Update shows the patches as applied.</p> <p><b>Operating System:</b> All</p> <p><b>Workaround:</b> Uninstall the patches, then install WebLogic Portal, and then apply the WebLogic Portal patches using Smart Update.</p>

Problem ID	Description
<b>CR301572</b>	<p><b>Patch installation during install overwrites newer patch catalog</b></p> <p>If you apply patches to WebLogic Server, provided after WebLogic Integration 9.2 GA is released, the patch catalog on your installation would be updated. If you later install WebLogic Integration 9.2 from a GA kit, the patch catalog bundled with it would overwrite the existing (newer) patch catalog.</p> <p>This older patch catalog from the WebLogic Integration installer may not contain patches applied before installing WebLogic Integration 9.2. Because of that, Smart Update may not accurately reflect the Server patches earlier applied to the installation. This could also lead to inconsistent or unpredictable behavior in Smart Update (offline mode) while applying or removing patches.</p> <p><b>Operating System:</b> All</p> <p><b>Workaround:</b> Connect to the BEA patch repository and acquire the latest patch catalog. Copy it to all the offline machines on which this problem occurs.</p>

## Problems Fixed

The following table describes problems that have been fixed in the installation and configuration software delivered with WebLogic Server 9.2, WebLogic Portal 9.2 and BEA Workshop for WebLogic Platform 9.2.

Problem ID	Description
<b>CR234354</b>	<p>After you extend a base WebLogic domain with the WebLogic Server Default Domain and WebLogic Server Examples extension templates, the resulting domain will not boot. This problem occurs if, after creating a domain in the Configuration Wizard, you navigate backward in the Configuration Wizard to the initial window and extend the newly created domain without having first exited from that tool.</p> <p>This problem has been resolved.</p>
<b>CR234973</b>	<p>A Managed Server template created using the pack command includes all the end-user applications, including application files, for the domain from which the template was created. This results in a template JAR file that is potentially very large.</p> <p>This problem has been resolved.</p>
<b>CR247833</b>	<p>Garbled characters are displayed when you run the <code>ls ()</code> command, and there is a configuration MBean with named multi-byte characters.</p> <p>This problem has now been resolved.</p>

Problem ID	Description
<b>CR253610</b>	<p>While installing WebLogic Platform, if you clear the Mercury profiling tools check box on the Optional Tools screen, select Next, subsequently return to the Optional Tools screen using the Previous button, and then select to install the Mercury profiling tools option, the tools are not be installed.</p> <p>This problem has been resolved. You no longer need to ensure that the Mercury Profiling Tools option is selected in the Optional Tools screen at the time of installation.</p>
<b>CR255916</b>	<p>After having applied multiple patches that contain patch JAR files with the same name, if you remove and then attempt to reapply any of those patches, you may see an exception similar to the following:</p> <pre>java.lang.IllegalArgumentException: JarEntry must not be null.     at com.bea.plateng.common.util.JarHelper.extract(JarHelper.java:646)     at com.bea.plateng.common.util.JarHelper.extract(JarHelper.java:605)     at com.bea.plateng.common.util.JarHelper.extract(JarHelper.java:563)     at com.bea.plateng.patch.ClasspathPatchInstaller.install(ClasspathPatchInstaller.java:118)     at com.bea.plateng.patch.PatchInstallationHelper.install(PatchInstallationHelper.java:258)</pre> <p>This problem has been resolved. You no longer need to exit and restart Smart Update, and reapply the patch that previously caused the exception.</p>
<b>CR256979</b>	<p>The relative PointBase database.home parameter in the pointbase.ini file was not translated to absolute path for the DB upgrade plug-in to find the data and index files of the database.</p> <p>This problem has now been resolved.</p>
<b>CR261740</b>	<p>Sometimes, the Domain Upgrader can hang during the “JMS Store Upgrade” step of domain upgrade if the JMS stores are backed by Pointbase. This can happen primarily on Workshop 8.1 domains that do not have Portal installed.</p> <p>This problem has been resolved.</p>

Problem ID	Description
<b>CR267027</b>	<p>Using <code>org.apache.xmlbeans.XmlObject</code> as a web service operation parameter or return type is not fully functional. It is not fully functional even when <code>XmlObject</code> is referenced from a class that is the parameter type. Messages passed into an operation that has <code>XmlObject</code> as the parameter type or references <code>XmlObject</code> from a parameter type may not result in valid representations of the original message to the web service.</p> <p>This problem has been resolved. Support for <code>XmlObject</code> now exists.</p>
<b>CR267159</b>	<p>Web Services that use an array of XMLBeans as parameters and or return types will cause a jwsc compile error.</p> <p>This problem has been resolved.</p>
<b>CR268328</b>	<p>During installation, the relative paths specified in the <code>pluggableTModel.file.list</code> parameter in the <code>uddi.properties</code> file were not substituted with the absolute path.</p> <p>This problem has now been resolved.</p>
<b>CR268739</b>	<p>Deploying portal applications with a service control fails during EJB assembly. When the value of the operation message element is not the same as the operation name, the SOAP bindings in a WSDL file are incorrectly identified as type <code>DOCUMENT/LITERAL/BARE</code>. Deployment fails in such a scenario.</p> <p>This problem has been resolved.</p>
<b>CR268947</b>	<p>RPC/Encoded soap messages can optionally include the <code>xsi:type</code> attribute associated with the data. For instance: <code>&lt;cost xsi:type="xsd:float"&gt;29.95&lt;/cost&gt;</code></p> <p>However, this adds additional overhead to the message so, to minimize performance degradation, and since this attribute is not required, it has not been included by default. Therefore the <code>cost</code> element in the RPC/Encoded message would look like:</p> <pre>&lt;cost&gt;29.95&lt;/cost&gt;</pre> <p>Some web service stacks require the <code>xsi:type</code> element so, a property that allows users to force marshal to include the <code>xsi:type</code> element has been created:</p> <pre>((weblogic.wsee.jaxrpc.StubImpl) stub)._setProperty(weblogic.wsee.jaxrpc.WLStub.MARSHAL_FORCE_INCLUDE_XSI_TYPE, "true");</pre> <p>This problem has been resolved.</p>
<b>CR276800</b>	<p>The <code>UpdateLicense</code> command and script limited the number of EVAL licenses to the number of IP addresses allowed for a licensed version of WebLogic Platform.</p> <p>This problem has been resolved, and the EVAL license now supports unlimited number of IP addresses.</p>

