



BEA Products

Installation and Configuration Release Notes

BEA AquaLogic Service Bus™ 2.1
BEA WebLogic Server® 9.1
Document Revised: December 16, 2005

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Contents

What's New in Installation and Configuration	2
Supported Configurations and Special Installation Instructions	3
Licensing	3
Switching JDKs	4
Customer Support	6
Known Limitations	6
Problems Fixed	16

BEA Products Installation and Configuration Release Notes

BEA AquaLogic Service Bus™ Release: 2.1
BEA WebLogic Server® Release: 9.1
Document Revised: December 16, 2005

This document provides information about new capabilities, usage notes, and known limitations related to the installation and configuration of BEA AquaLogic Service Bus 2.1 and BEA WebLogic Server 9.1. 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](#)
- [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://e-docs.bea.com>

For detailed information about the BEA products encompassed by the AquaLogic Service Bus 2.1 and WebLogic Server 9.1 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 . . .
AquaLogic Service Bus 2.1	BEA AquaLogic Service Bus Release Notes
WebLogic Server 9.1	For information about new features, see BEA WebLogic Server and WebLogic Express Release Notes . For information about known limitations and problems fixed, see BEA WebLogic Server Known and Resolved Issues .
BEA JRockit J2SE 5.0 JDK	BEA JRockit 5.0 (R26.0) JDK Release Notes

What's New in Installation and Configuration

The following list summarizes new features and changes in the installation and configuration tools used with AquaLogic Service Bus 2.1 and WebLogic Server 9.1:

- Smart Update is a standalone Java application that you can run independently of BEA software, which has been enhanced in this release to include a new patch management capability. In addition to downloading and installing service pack updates, you can now use Smart Update to download and apply maintenance patches that have been made available from BEA Customer Support. For more information, see [Installing Maintenance Updates and Service Packs](#).
- WebLogic domains created using WebLogic Server 9.1 include the new XACML security providers by default, including the XACML Authorization provider and the XACML Role Mapping provider.

The new XACML providers are fully compatible with policies and roles created using the WebLogic Authorization provider (DefaultAuthorizer) and WebLogic Role Mapping provider (DefaultRoleMapper). Existing WebLogic domains that you upgrade to 9.1 will continue to use the authorization and role mapping providers currently specified, such as third-party partner providers or the original WebLogic Authorization and Role Mapping providers. If you wish, you can migrate existing domains from using WebLogic Server proprietary providers to the XACML providers, including performing bulk imports of existing policies. For more information, see [Security for BEA WebLogic Server 9.1](#).

- WLST has been enhanced as follows:
 - You can now run WLST commands from Ant.
The `wlst` Ant task is predefined in the version of Ant shipped with WebLogic Server 9.1.
 - The `createDomain` command has been added enabling you to create a domain quickly and easily using the specified domain template.
 - The `nmGenBootStartupProps` command has been added enabling you to generate the Node Manager property files, `boot.properties` and `startup.properties`, for the specified server.

For more information, see *WebLogic Scripting Tool*.

- A new document, *Using Offline Configuration Tools*, describes best practices for using the offline configuration tools, including the Configuration Wizard, Template Builder, WLST offline, and pack and unpack commands.
- Upgrade documentation has been enhanced to cover upgrade procedures for the following product upgrades:
 - WebLogic Server 9.0 to 9.1
 - AquaLogic Service Bus 2.0 to 2.1

For more information, see *Roadmap for Upgrading Application Environments*.

- For licensing enhancements, see “Licensing” on page 3.

Supported Configurations and Special Installation Instructions

Information about configurations supported by AquaLogic Service Bus and WebLogic Server, including hardware and software requirements, is provided from the Supported Configurations page at the following URL:

<http://e-docs.bea.com/platform/suppconfigs/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 AquaLogic Service Bus and WebLogic Server software, you must have a valid license file installed on your system. When you install AquaLogic Service Bus 2.1 or WebLogic Server

9.1, 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 AquaLogic Service Bus or WebLogic Server 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 the following documents:

- For AquaLogic Service Bus 2.1, see [“AquaLogic Service Bus 2.1 Supported Configurations”](#) in *Supported Configurations for AquaLogic Service Bus 2.1*.
- For WebLogic Server 9.1, see [“WebLogic Server 9.1 Supported Configurations”](#) in *Supported Configurations for WebLogic Server 9.1*.

Customer Support

If you have any questions about this version of AquaLogic Service Bus or WebLogic Server, 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 AquaLogic Service Bus 2.1 and WebLogic Server 9.1. 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.

Table 1 Known Problems

Problem ID	Description
CR214849	<p data-bbox="319 427 861 451">Thread dump occurs when Ctrl+C is used to stop server</p> <p data-bbox="319 470 1231 552">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 data-bbox="319 571 1231 678">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 data-bbox="319 697 610 722">Operating System: Windows</p> <p data-bbox="319 741 1231 821">Workaround: The recommended way to shut down a WebLogic Server instance is via the WebLogic Server Administration Console. For details, see “Starting and Stopping Servers” in <i>Managing Server Startup and Shutdown</i>.</p>
CR220653	<p data-bbox="319 852 1190 907">WebLogic Server fails to start and displays the message that the server is not found in the WL_HOME directory</p> <p data-bbox="319 927 1163 951">A message similar to the following is displayed when you try to start WebLogic Server:</p> <p data-bbox="319 970 1231 1069">The WebLogic Server wasn't found in directory <i>directory-name</i>. Please edit the setWLSEnv.cmd script so that the WL_HOME variable points to the WebLogic installation directory. Your environment has not been set.</p> <p data-bbox="319 1088 1231 1144">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 data-bbox="319 1163 548 1187">Operating System: All</p> <p data-bbox="319 1206 1150 1251">Workaround: Do not choose a BEA Home directory name that contains more than 12 characters.</p>

Table 1 Known Problems (Continued)

Problem ID	Description
CR224184	<p data-bbox="256 388 1163 479">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</p> <p data-bbox="256 499 1147 579">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 data-bbox="256 597 485 623">Operating System: All</p> <p data-bbox="256 637 1022 663">Workaround: Two workarounds can be used to avoid this problem, as follows:</p> <ul data-bbox="256 677 1167 795" style="list-style-type: none"> <li data-bbox="256 677 1167 730">• 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 data-bbox="256 743 1042 795">• When starting the domain, run the WebLogic Server start script specifying the <code>nopointbase</code> option. For example: <p data-bbox="294 808 364 835">UNIX:</p> <pre data-bbox="294 848 680 874">startWebLogic.sh nopointbase</pre> <p data-bbox="294 887 397 913">Windows:</p> <pre data-bbox="294 927 639 953">startWebLogic nopointbase</pre>
CR224337	<p data-bbox="256 970 1163 1029">Server fails to start when domain name includes a dot and the dot is preceded and followed by strings of a certain length</p> <p data-bbox="256 1046 1163 1098">If you create a domain and assign a name that has all the following characteristics, the domain will not start:</p> <ul data-bbox="256 1116 803 1213" style="list-style-type: none"> <li data-bbox="256 1116 704 1142">• The name includes the period character (.). <li data-bbox="256 1154 764 1180">• Two alphanumeric characters precede the period. <li data-bbox="256 1192 803 1218">• Five or more alphanumeric characters follow the dot. <p data-bbox="256 1232 955 1258">For example, a domain created with the name <code>bs.domain</code> will not start.</p> <p data-bbox="256 1272 485 1298">Operating System: All</p> <p data-bbox="256 1312 948 1338">Workaround: When choosing a domain name, do one of the following:</p> <ul data-bbox="256 1352 1163 1433" style="list-style-type: none"> <li data-bbox="256 1352 753 1378">• Do not use a name that contains a dot character. <li data-bbox="256 1390 1163 1433">• If you use a dot character, make sure that you provide more than two characters preceding the dot.

Table 1 Known Problems (Continued)

Problem ID	Description
CR227881	<p data-bbox="319 388 975 414">Limited support in Template Builder for compatibility-mode security</p> <p data-bbox="319 432 1224 517">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="319 531 548 557">Operating System: All</p> <p data-bbox="319 571 1197 652">Workaround: 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>
CR228401	<p data-bbox="319 683 1210 744">A single-server domain cannot be configured correctly by deleting all but one server from a clustered domain template</p> <p data-bbox="319 758 1224 873">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="319 887 548 913">Operating System: All</p> <p data-bbox="319 927 1224 982">Workaround: 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>
CR229655	<p data-bbox="319 1013 1197 1074">Exception <code>java.lang.UnsupportedOperationException</code> thrown from domain configured using WLST offline</p> <p data-bbox="319 1088 1224 1203">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 data-bbox="319 1216 548 1242">Operating System: All</p> <p data-bbox="319 1256 962 1277">Workaround: Use WLST in online mode to specify security roles.</p>
CR229700	<p data-bbox="319 1308 841 1334">QuickStart is not displayed correctly after installation</p> <p data-bbox="319 1348 1224 1463">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 data-bbox="319 1477 1029 1503">Operating System: Any system in which the Sun Java 2 J2SE 5.0 is used.</p> <p data-bbox="319 1517 1197 1572">Workaround: During installation, choose directories for BEA Home and WebLogic Server Home with names that include only the ASCII character set.</p>

Table 1 Known Problems (Continued)

Problem ID	Description
CR230483	<p data-bbox="254 387 1092 413">Configuration of application-scoped resources cannot be changed in domain template</p> <p data-bbox="254 432 1166 574">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="254 590 485 616">Operating System: All</p> <p data-bbox="254 630 1069 656">Workaround: Note the following best practices for creating domains and templates:</p> <ul data-bbox="254 670 1166 1116" style="list-style-type: none"> <li data-bbox="254 670 1166 782">• 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 data-bbox="254 795 1166 852">• Rely on the application and on the application deployment process to create the required application-scoped resources in the target environment. <li data-bbox="254 864 1166 1116">• If you are migrating an application from a nonclustered 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="292 956 1166 1116" style="list-style-type: none"> <li data-bbox="292 956 1166 1013">— In place of each JMS queue in the packaged JMS module, create a uniform distributed JMS queue. <li data-bbox="292 1025 935 1052">— Configure a JMS server for each Managed Server in the cluster. <li data-bbox="292 1064 1069 1116">— Include the connection factory and the uniform distributed queues in the same subdeployment group, and deploy them to the cluster. <p data-bbox="292 1130 1166 1242">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 “Configuring Clustered WebLogic JMS Resources” in <i>Configuring and Managing WebLogic JMS</i>.</p> <ul data-bbox="254 1256 1166 1399" style="list-style-type: none"> <li data-bbox="254 1256 1166 1399">• 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 “Deploying Applications and Modules” in <i>Deploying Applications to WebLogic Server</i>.

Table 1 Known Problems (Continued)

Problem ID	Description
CR231843	<p data-bbox="319 387 1126 416">Service Bus domain templates cannot be created because of database dependency</p> <p data-bbox="319 432 1231 545">If you create a template of a Service Bus domain, and then create a new Service Bus domain based on that template, the new domain cannot be started. This problem is caused by a dependency that is created between the domain RDBMS and the domain name, which results in a restriction upon the usage of templates that you create from Service Bus domains.</p> <p data-bbox="319 560 1231 673">This problem occurs because the new domain attempts to use the same database, schema, and Logging Last Resources (LLR) table name (for storing LLR transaction records) that are used by the initial domain. LLR checks for this to prevent one domain from corrupting the LLR tables of another domain.</p> <p data-bbox="319 689 548 718">Operating System: All</p> <p data-bbox="319 734 938 760">Workaround: Two workarounds are available for this problem:</p> <ul data-bbox="319 769 1231 1008" style="list-style-type: none"> <li data-bbox="319 769 1231 916">• When creating a new Service Bus domain that is based upon a template of an existing Service Bus domain, you must use the same database, schema, and Logging Last Resources (LLR) table name (for storing LLR transaction records) for the domain that were used for the existing domain. To learn more about the LLR feature, see “Configuring JDBC Data Sources” in <i>Configuring and Managing WebLogic JDBC</i>. <li data-bbox="319 925 1231 1008">• After you create the new domain, use WLST offline to change the name of the LLR table used by each server in the new domain. The LLR table name can be specified via the <code>JDBCLLRTableName</code> attribute on the <code>ServerMBean</code>.
CR234354	<p data-bbox="319 1034 1231 1095">In a base WebLogic domain that has been extended with the WebLogic Server Default Domain and WebLogic Server Examples extension templates, the server cannot be started</p> <p data-bbox="319 1111 1231 1258">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 data-bbox="319 1274 548 1303">Operating System: All</p> <p data-bbox="319 1312 1139 1364">Workaround: After you use the Configuration Wizard to create a domain, restart the Configuration Wizard before extending that domain.</p>

Table 1 Known Problems (Continued)

Problem ID	Description
CR234871	<p>Installer hangs on Windows XP during Node Manager configuration</p> <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>Operating System: Windows XP Professional with Service Pack 2</p> <p>Workaround: Before you run the installation program, do either of the following:</p> <ul style="list-style-type: none"> • Turn off Windows Firewall (recommended) • Add the port you want to use for the Node Manager listen port as a Windows Firewall exception <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>
CR234973	<p>Managed Server template should not include applications</p> <p>A Managed Server template created using the <code>pack</code> 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>Operating System: All</p> <p>Workaround: After you create a domain based on a Managed Server template, you can safely remove directories that contain user-created applications. This will not prevent you from being able to start the domain. If the user-created applications in the Managed Server template do not use a great deal of disk space, this problem is not an issue for creating or starting the domain.</p> <p>Note that AquaLogic Service Bus domains contain a large number of system-level applications and files that must not be removed.</p>
CR244593	<p>Servers for both WebLogic examples and Avitek Medical Records sample cannot be started at the same time due to database conflicts</p> <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>Operating System: All</p> <p>Workaround: Do not attempt to run both sample servers simultaneously. Stop one server before starting the other one.</p>

Table 1 Known Problems (Continued)

Problem ID	Description
CR251454	GUI cannot refresh patches installed from command line without restart 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. Operating System: All Workaround: Exit and restart the Smart Update GUI to view the new patch.
CR253610	Mercury profiling tools are not installed if not initially selected During product installation, if you deselect the Mercury profiling tools on the Optional Tools screen, select Next, and then subsequently return to the Optional Tools screen using the Previous button and select to install the Mercury profiling tools, the tools will not be installed. Operating System: All Workaround: If you wish to install the Mercury profiling tools, make sure that you select the Mercury profiling tools on the Optional Tools screen when you are prompted initially.
CR254744	Smart Update graphical interface displays java.util.ConcurrentModificationException in rare cases In rare cases, when using the Smart Update graphical interface, the following exception may be displayed: <pre data-bbox="319 1034 1231 1256">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(PatchStoreTableModel.java:199)</pre> Operating System: All Workaround: This exception can be ignored.

Table 1 Known Problems (Continued)

Problem ID	Description
CR255640	<p data-bbox="256 388 1166 447">Smart Update’s patch profile maintenance snapshot text file is poorly formatted when viewed in Notepad</p> <p data-bbox="256 465 1166 552">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 data-bbox="256 564 481 590">Operating System: All</p> <p data-bbox="256 604 1166 661">Workaround: 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>
CR255650	<p data-bbox="256 689 1166 715">Invalidated patches should not list other invalidated patches as their replacement</p> <p data-bbox="256 732 1166 819">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 data-bbox="256 831 481 857">Operating System: All</p> <p data-bbox="256 871 713 897">Workaround: Contact BEA Customer Support.</p>

Table 1 Known Problems (Continued)

Problem ID	Description
CR255916	<p data-bbox="319 383 978 418">Exception is generated when reapplying the last of multiple patches</p> <p data-bbox="319 430 1229 517">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 data-bbox="319 529 1229 951"> 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 data-bbox="319 963 548 998">Operating System: All</p> <p data-bbox="319 1010 1229 1060">Workaround: Exit and restart Smart Update, and reapply the patch that previously caused the exception.</p>
CR256067	<p data-bbox="319 1090 1229 1150">Cannot create a domain using a template that was created from the out-of-the box AquaLogic Service Bus Examples domain</p> <p data-bbox="319 1163 1229 1223">If you create a domain using a template that was generated from the out-of-the box AquaLogic Service Bus Examples domain, the server may not start.</p> <p data-bbox="319 1236 548 1270">Operating System: All</p> <p data-bbox="319 1282 1229 1333">Workaround: There is no workaround. Creating a domain using a template that was generated from the out-of-the box AquaLogic Service Bus Examples domain is not supported.</p>

Problems Fixed

[Table 2](#) describes problems that have been fixed in the installation and configuration software delivered with AquaLogic Service Bus 2.1 and WebLogic Server 9.1.

Table 2 Problems Fixed

Problem ID	Description
CR231028	<p>Servers for both WebLogic examples and Service Bus samples cannot be started at the same time</p> <p>You cannot start or run the servers in the domains for WebLogic examples and Service Bus samples at the same time. This problem is caused by the fact that both servers are configured to use the same default port number.</p> <p>Operating System: All</p> <p>Workaround: Do not attempt to run both sample servers simultaneously. Stop one server before starting the other one.</p> <p>Fix Information: The default port numbers for the Service Bus samples have been updated as follows so that they no longer conflict with the default ports for the WebLogic examples:</p> <ul style="list-style-type: none"> • http server: 7021 • ssl: 7022 • PointBase: 9073
CR232132	<p>Server does not start if name of domain root directory contains a space</p> <p>If you use the Configuration Wizard to create a domain, and specify a name for the domain root directory that contains a space, the domain server cannot be started. When you attempt to boot the domain, a message similar to the following is generated:</p> <pre>starting weblogic with Java version: ./startWebLogic.sh: line 171: /bin/java: No such file or directory Starting WLS with line: /bin/java -Dweblogic.Name= -Djava.security.policy=/server/lib/weblogic.policy ./startWebLogic.sh: line 176: /bin/java: No such file or directory ./startWebLogic.sh: line 184: popd: directory stack empty</pre> <p>Operating System: UNIX and Linux</p> <p>Workaround: When specifying the name of the domain's root directory, do not use spaces.</p> <p>Fix Information: When the Configuration Wizard is run on a UNIX or Linux machine, the tool will not allow you to include spaces in the name of the domain root directory.</p>

Table 2 Problems Fixed (Continued)

Problem ID	Description
CR234126	<p data-bbox="314 388 1180 418">Newly configured PKI credential mapper is available via the run-time tree without reboot</p> <p data-bbox="314 435 1231 574">When security providers are added to or removed from the list of security providers in the run-time MBean tree, a reboot should be required before the revised list is displayed. Currently, however, WebLogic Server displays the changed set of security providers in the run-time MBean tree immediately, and the listed security providers are immediately available for management operations.</p> <p data-bbox="314 591 1231 673">Even though the providers become available for management operations immediately, the server continues to use the set of providers that was present at boot time for security run-time operations (such as authentication, authorization, auditing, and so on).</p> <p data-bbox="314 690 545 720">Operating System: All</p> <p data-bbox="314 730 1231 782">Workaround: A reboot of the server is required for these changes to the security framework to affect the run-time security operations. This requirement applies to all security providers.</p> <p data-bbox="314 795 1231 852">Fix Information: On a UNIX or Linux machine, the Configuration Wizard does not allow you to include space characters in the name of the domain root directory.</p>
CR234353	<p data-bbox="314 881 946 911">Help button in Configuration Wizard opens Template Builder Help</p> <p data-bbox="314 928 1153 980">When using the Configuration Wizard to extend a domain, clicking Help in the Review WebLogic Domain window invokes the Template Builder online help.</p> <p data-bbox="314 998 545 1027">Operating System: All</p> <p data-bbox="314 1038 1171 1090">Workaround: Two workarounds are available to display help for the Review WebLogic Domain window while extending a domain:</p> <ul data-bbox="314 1102 1231 1258" style="list-style-type: none"> <li data-bbox="314 1102 1231 1154">• See “Review the Domain Settings” in “Customizing Existing JDBC and JMS Settings” in <i>Creating WebLogic Domains Using the Configuration Wizard</i>. <li data-bbox="314 1171 1231 1258">• Paste the following URL into the location bar of the online help viewer for the Configuration Wizard, where <i>WL_HOME</i> represents the absolute path to the WebLogic Server home directory; for example, C:\bea\weblogic90: <p data-bbox="314 1267 1231 1319">file:///WL_HOME/common/help/cwhelp/doc/en/cfgwizhelp/ServiceReview.html</p> <p data-bbox="314 1333 1016 1359">Fix Information: The Help button displays the correct help information.</p>

Table 2 Problems Fixed (Continued)

Problem ID	Description
CR234458	<p data-bbox="252 388 1166 447">Oracle 10g database does not allow insertion of a character string larger than 1000 bytes using the latest 10g driver</p> <p data-bbox="252 465 1166 519">You cannot insert a variable-length character string that is larger than 1000 bytes into an Oracle 10g database (Oracle 10.1.0.2) using the latest Oracle 10g driver.</p> <p data-bbox="252 536 1166 590">This limitation extends to <code>CHAR</code>, <code>VARCHAR</code>, and <code>VARCHAR2</code> datatypes containing strings that use any of the following Japanese character sets:</p> <ul data-bbox="252 604 454 739" style="list-style-type: none"> • JA16SJIS • JA16EUC • JA16SJISTILDE • JA16SJISYEN <p data-bbox="252 753 481 779">Operating System: All</p> <p data-bbox="252 793 919 819">Workaround: You can use either of the following two workarounds:</p> <ul data-bbox="252 833 1166 951" style="list-style-type: none"> • Upgrade the Oracle 10g database to Oracle 10.1.0.4, in which this problem is fixed. • Use the latest Oracle 10g driver to insert larger character strings into an Oracle 9i database. (However, this problem still exists when attempting to insert these strings into an Oracle 10g database earlier than 10.1.0.4.) <p data-bbox="252 965 736 991">Fix Information: This limitation no longer exists.</p>
CR235341	<p data-bbox="252 1020 602 1046">Missing updates to WLST online help</p> <p data-bbox="252 1064 1166 1090">The online help for the WebLogic Server Scripting Tool does not include the following updates:</p> <ol data-bbox="252 1104 1166 1229" style="list-style-type: none"> <li data-bbox="252 1104 1166 1164">1. The <code>suspend</code> command description includes the following note, which should be removed: NOTE: The domain administration port must be enabled to invoke the <code>suspend</code> command. <li data-bbox="252 1178 1166 1229">2. The note that appears with the <code>startNodeManager</code> command description should be updated as follows: NOTE: The WebLogic Server custom installation process optionally installs Node Manager as a Windows service on Windows systems, so that it starts automatically when you boot the computer. For more information, see “About Installing Node Manager as a Windows Service” in the <i>BEA Products Installation Guide</i>. In this case, you do not need to start Node Manager manually. <p data-bbox="252 1402 542 1428">Operating System: Windows</p> <p data-bbox="252 1442 1147 1496">Workaround: The topic “WLST Command and Variable Reference” in <i>WebLogic Scripting Tool</i> contains the preceding updates.</p> <p data-bbox="252 1510 830 1538">Fix Information: The WLST online help has been updated.</p>

Table 2 Problems Fixed (Continued)

Problem ID	Description
CR235344	<p data-bbox="317 388 1224 447">Administration Server name and listen port changes specified in Template Builder do not take effect for Service Bus domains</p> <p data-bbox="317 465 1224 578">When using the Domain Template Builder to create a template of a Service Bus domain, if you change the host name and listen port of the Administration Server, those changes do not take effect in the resulting template. The resulting template retains the host name and listen port of the Administration Server for the Service Bus domain from which the template was created.</p> <p data-bbox="317 595 606 621">Operating System: Windows</p> <p data-bbox="317 638 1224 690">Workaround: After you create a domain based on this template, edit the domain <code>config.xml</code> file and enter the correct host name and listen port.</p> <p data-bbox="317 708 1224 725">Fix Information: The host name and listen port changes are now saved to the domain template.</p>

