BEA Products

Installation and Configuration Release Notes

BEA AquaLogic Service Bus™ 2.0.
BEA WebLogic Server® 9.0
Document Date: July 2005

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BEA Products Installation and Configuration Release Notes

BEA AquaLogic Service Bus™ Release: 2.0
BEA WebLogic Server® Release: 9.0
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This document provides information about new capabilities, usage notes, and known limitations related to the installation and configuration of BEA AquaLogic Service Bus 2.0 and BEA WebLogic Server 9.0. 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:

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 2.0 and WebLogic Server 9.0 releases (including BEA JRockit J2SE 5.0 JDK, which is included 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 2.0	*BEA AquaLogic Service Bus Release Notes*
WebLogic Server 9.0	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 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 2.0 and WebLogic Server 9.0:

- The installation program has been updated to install both AquaLogic Service Bus and WebLogic Server. A WebLogic Server-only version is available for Web downloads only.

  On Windows and Linux systems, the BEA Products installer also includes BEA JRockit J2SE 5.0 JDK.

- The WebLogic Scripting Tool (WLST), new in WebLogic Server 9.0, is a command-line scripting interface that system administrators and operators use to monitor and manage WebLogic Server instances and domains, including Service Bus domains. WLST can be used to create a new domain, or update an existing one, without connecting to a running WebLogic Server instance—supporting the same functionality as the Configuration Wizard.

  Sample scripts are also available in *WL_HOME*\common\templates\scripts\wlst that show the following:

The following script . . .	Shows creating . . .
`basicWLSDomain.py`	A simple domain
`clusterMedRecDomain.py`	A single-cluster domain with three Managed Servers
`distributedQueues.py`	Distributed JMS queues
`sampleMedRecDomain.py`	A domain similar to one used in the Avitek MedRec sample in WebLogic Server

For more information about WLST, see *WebLogic Scripting Tool*.

- The Configuration Wizard has been redesigned to simplify creating and extending domains that contain WebLogic Server, AquaLogic Service Bus, and Apache Beehive resources.

  In addition, silent-mode operation of the Configuration Wizard is deprecated. BEA recommends that you use the BEA WebLogic Scripting Tool in its place.

  For more information, including new examples, see *Creating WebLogic Domains Using the Configuration Wizard*.

- The Domain Template Builder has been simplified and streamlined to reduce the number of steps required for building a domain template or extension template.

  For more information, see *Creating Templates Using the Domain Template Builder*.

- Two new commands are available, `pack` and `unpack`, for rapidly creating domain templates and domains, respectively, from the command line.
  - The `pack` command creates a template archive (`.jar`) file that contains a snapshot of either an entire domain, or the part of a domain needed to create a Managed Server domain directory.
  - The `unpack` command creates a domain directory or Managed Server domain directory using a template created with the `pack` command.

  For more information, see *Creating Templates and Domains Using the pack and unpack Commands*.

- The following new capabilities are provided for ISV partners:
  - Registry API—Provides a means for accessing information about a BEA software installation, such as which products and which versions of those products are installed.

- Administration Console Extensions—Enable you to add or replace content in the WebLogic Server Administration Console, and change the logos, styles and colors without modifying the files that are installed with WebLogic Server.
- WebLogic Diagnostic Framework (WLDF)—Consists of a new monitoring and diagnostic framework that includes a set of standardized application programming interfaces (APIs) that enable dynamic access and control of diagnostic data.
- An updated set of interfaces, provided with WebLogic Server 9.0 and fully compliant with the Java Management Extensions (JMX) specification, allows ISVs to build WebLogic management applications.

For more information, see the *ISV Partners' Guide*.

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.

Upgrade Wizard

The WebLogic Upgrade Wizard, new in WebLogic Server 9.0, guides you through the steps required to upgrade a WebLogic domain that is compatible with WebLogic Server 6.1, 7.0, or 8.1 so that it runs in a WebLogic Server 9.0 application environment. As part of the upgrade process, you may also have to upgrade any security providers and Node Managers used in the domain.

You can step through the upgrade process interactively, by using the graphical user interface (GUI), or "silently," by creating a script and executing the upgrade steps as a background process.

For information about using the WebLogic Upgrade Wizard, see *Upgrading WebLogic Application Environments*.

The preceding document includes the following important topics related to upgrading to WebLogic Server 9.0:

- Planning your upgrade
- Compatibility with previous releases of WebLogic Server, including a complete list of deprecated APIs

- Directory structure enhancements made to WebLogic domains

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 2.0 or WebLogic Server 9.0, 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.

The following licensing changes are in effect for AquaLogic Service Bus 2.0 and WebLogic Server 9.0:

- The scale-limited license available with WebLogic Workshop - Free Edition and WebLogic Workshop - Professional Edition is not available.
- Licenses for the following new SDKs are available:
  - WebLogic 9.0 SDK— Provides a complete development framework for WebLogic Server.
  - WebLogic 9.0 SDK, Pro Edition— Provides a complete development framework for WebLogic Server, and includes support.

For more information about the license packages available, see Licensing.

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.

Best Practices and Usage Notes

This section includes the following best practices and usage notes:

- Switching JDKs
- Installing the Optional JRockit JRE
- Installing the Java Plug-In for Online Help Search

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_03
   ```

   For Sun, the equivalent commands are as follows:

   ```
   set JAVA_VENDOR=Sun
   set JAVA_HOME=c:\bea\jdk150_03
   ```

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 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_03
   ) else (
          if "%JAVA_VENDOR%"=="Sun" (
                set JAVA_HOME=C:\bea\jdk150_03
          ) else (
                set JAVA_VENDOR=Sun
                set JAVA_HOME=C:\bea\jdk150_03
   ```

```
        )
)
```

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_03
) else (
        if "%JAVA_VENDOR%"=="Sun" (
              set JAVA_HOME=C:\bea\jdk150_03
        ) else (
              set JAVA_VENDOR=BEA
              set JAVA_HOME=C:\bea\jrockit90_150_03
```

For more information about BEA support for BEA JRockit and the Sun Java 2 JDK, see the following documents:

- For AquaLogic Service Bus 2.0, see "AquaLogic Service Bus 2.0 Supported Configurations" in *Supported Configurations for AquaLogic Service Bus 2.0*.
- For WebLogic Server 9.0, see "WebLogic Server 9.0 Supported Configurations" in *Supported Configurations for WebLogic Server 9.0*.

Installing the Optional JRockit JRE

The BEA JRockit JDK contains a private JRE that resides in the JRockit JDK directory. The private JRE, which includes the JRockit JVM, class libraries, and other files that support the execution of programs written in Java, is required to be able to use the JDK, including running the tools included in the JDK. The bundled version is used by AquaLogic Service Bus and WebLogic Server to run the servers and tools. You also have the option to install the public JRockit JRE. The public JRE can be used by other applications.

For information about the JRockit JRE installation option, see "Java Runtime Environment (JRE)" in "Preparing for Your Installation" in the *BEA Products Installation Guide*.

Installing the Java Plug-In for Online Help Search

The documentation for the following is displayed in a browser-based viewer that includes a search function by a Java applet:

- WebLogic Server Administration Console online help
- Configuration Wizard online help

- Domain Template Builder online help
- WebLogic Server code examples
- *WebLogic Server MBean Reference*

This applet requires a Java plug-in. If you do not have this plug-in installed on your system and you want to be able to search this documentation, you must install the plug-in.

If you are working on a Microsoft Windows platform, the first time you initiate a search in the viewer for this documentation, you are prompted to download and install the plug-in.

However, if you are working on an HP-UX, Red Hat Enterprise Linux, or Sun Solaris platform, you need to download and install the Java plug-in manually. Table 1 provides the Web site from which you can download the required Java plug-in for these platforms. The plug-in you download must be version 1.4 or later.

Table 1 Downloading the Java Plug-in Required for Help Search Applet

For the following platform . . .	Go to the following Web site to obtain the Java plug-in . . .

HP-UX	For Itanium-based systems, download and install the latest Runtime Plug-in version 1.4.2 from:
	`http://www.hp.com/products1/unix/java/java2/jpi/downloads/`
	For PA-RISC-based systems, download and install the latest Runtime Environment for Java version 1.4.2 from:
	`http://www.hp.com/products1/unix/java/java2/sdkrte14/downloads/index_pa-risc.html`

Red Hat Enterprise Linux	Complete the following steps: 1. Go to the following URL and choose Download J2SE JRE: `http://java.sun.com/j2se/1.4.2/download.html` 2. Click to accept the license agreement. 3. Choose either the RPM in self-extracting file, or the self-extracting file.
Sun Solaris	Complete the following steps: 1. Go to the following URL and choose Download J2SE JRE: `http://java.sun.com/j2se/1.4.2/download.html` 2. Click to accept the license agreement. 3. Choose the JRE appropriate for your system.

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 2.0 and WebLogic Server 9.0. 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	**Thread dump occurs when Ctrl+C is used to stop server** 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. 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. **Operating System:** Windows **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 *Managing Server Startup and Shutdown*.
CR220653	**WebLogic Server fails to start and displays the message that the server is not found in the WL_HOME directory** A message similar to the following is displayed when you try to start WebLogic Server: `The WebLogic Server wasn't found in directory directory-name. Please edit the setWLSEnv.cmd script so that the WL_HOME variable points to the WebLogic installation directory. Your environment has not been set.` This problem is caused by a Windows bug that limits the length of the directory name you can use for the BEA Home directory. **Operating System:** All **Workaround:** Do not choose a BEA Home directory name that contains more than 12 characters.

Problem ID	Description

CR224184	**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**
	
	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.
	
	Operating System: All
	
	Workaround: Two workarounds can be used to avoid this problem, as follows:
	• When creating the first extension template, specify the production RDBMS. This step ensures that subsequent extension templates do not re-enable PointBase.
	• When starting the domain, run the WebLogic Server start script specifying the `nopointbase` option. For example:
	UNIX:
	`startWebLogic.sh nopointbase`
	Windows:
	`startWebLogic nopointbase`

CR224337	**Server fails to start when domain name includes a dot and the dot is preceded and followed by strings of a certain length** If you create a domain and assign a name that has all the following characteristics, the domain will not start: • The name includes the period character (.). • Two alphanumeric characters precede the period. • Five or more alphanumeric characters follow the dot. For example, a domain created with the name `bs.domain` will not start. **Operating System:** All **Workaround:** When choosing a domain name, do one of the following: • Do not use a name that contains a dot character. • If you use a dot character, make sure that you provide more than two characters preceding the dot.

Problem ID	Description
CR227881	**Limited support in Template Builder for compatibility-mode security** 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. **Operating System:** All **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.
CR228401	**A single-server domain cannot be configured correctly by deleting all but one server from a clustered domain template** 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. **Operating System:** All **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.
CR229655	**Exception java.lang.UnsupportedOperationException thrown from domain configured using WLST offline** 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 `java.lang.UnsupportedOperationException` exception. **Operating System:** All **Workaround:** Use WLST in online mode to specify security roles.
CR229700	**QuickStart is not displayed correctly after installation** 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. **Operating System:** Any system in which the Sun Java 2 J2SE 5.0 is used. **Workaround:** During installation, choose directories for BEA Home and WebLogic Server Home with names that include only the ASCII character set.

Problem ID	Description
CR230483	**Configuration of application-scoped resources cannot be changed in domain template** 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. **Operating System:** All **Workaround:** Note the following best practices for creating domains and templates: • 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. • Rely on the application and on the application deployment process to create the required application-scoped resources in the target environment. • 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: — In place of each JMS queue in the packaged JMS module, create a uniform distributed JMS queue. — Configure a JMS server for each Managed Server in the cluster. — Include the connection factory and the uniform distributed queues in the same subdeployment group, and deploy them to the cluster. 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 *Configuring and Managing WebLogic JMS*. • 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 *Deploying Applications to WebLogic Server*.

Problem ID	Description
CR231028	**Servers for both WebLogic examples and Service Bus samples cannot be started at the same time** 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. **Operating System:** All **Workaround:** Do not attempt to run both sample servers simultaneously. Stop one server before starting the other one.
CR231843	**Service Bus domain templates cannot be created because of database dependency** 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. 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. **Operating System:** All **Workaround:** Two workarounds are available for this problem: • 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 *Configuring and Managing WebLogic JDBC*. • 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 `JDBCLLRTableName` attribute on the ServerMBean.

Problem ID	Description

CR232132	**Server does not start if name of domain root directory contains a space**
	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:
	`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`
	Operating System: UNIX and Linux
	Workaround: When specifying the name of the domain's root directory, do not use spaces.

CR234126	**Newly configured PKI credential mapper is available via the run-time tree without reboot** 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. 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). **Operating System:** All **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.

Problem ID	Description
CR234353	**Help button in Configuration Wizard opens Template Builder Help** When using the Configuration Wizard to extend a domain, clicking Help in the Review WebLogic Domain window invokes the Template Builder online help. **Operating System:** All **Workaround:** Two workarounds are available to display help for the Review WebLogic Domain window while extending a domain: • See "Review the Domain Settings" in "Customizing Existing JDBC and JMS Settings" in *Creating WebLogic Domains Using the Configuration Wizard*. • Paste the following URL into the location bar of the online help viewer for the Configuration Wizard, where *WL_HOME* represents the absolute path to the WebLogic Server home directory; for example, `C:\bea\weblogic90`: `file:///WL_HOME/common/help/cwhelp/doc/en/cfgwizhelp/ServiceReview.html`
CR234354	**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** 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. **Operating System:** All **Workaround:** After you use the Configuration Wizard to create a domain, restart the Configuration Wizard before extending that domain.

Problem ID	Description
CR234458	**Oracle 10g database does not allow insertion of a character string larger than 1000 bytes using the latest 10g driver** 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. This limitation extends to `CHAR`, `VARCHAR`, and `VARCHAR2` datatypes containing strings that use any of the following Japanese character sets: • JA16SJIS • JA16EUC • JA16SJISTILDE • JA16SJISYEN **Operating System:** All **Workaround:** You can use either of the following two workarounds: • 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.)
CR234871	**Installer hangs on Windows XP during Node Manager configuration** 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. 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. **Operating System:** Windows XP Professional with Service Pack 2 **Workaround:** Before you run the installation program, do either of the following: • Turn off Windows Firewall (recommended) • Add the port you want to use for the Node Manager listen port as a Windows Firewall exception If you choose to turn off Windows Firewall prior to installation, you can turn it back on after the installation procedure is complete.

Problem ID	Description
CR234973	**Managed Server template should not include applications** 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. **Operating System:** All **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. Note that AquaLogic Service Bus domains contain a large number of system-level applications and files that must not be removed.
CR235341	**Missing updates to WLST online help** The online help for the WebLogic Server Scripting Tool does not include the following updates: 1. The `suspend` command description includes the following note, which should be removed: NOTE: The domain administration port must be enabled to invoke the suspend command. 2. The note that appears with the `startNodeManager` 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 *BEA Products Installation Guide*. In this case, you do not need to start Node Manager manually. **Operating System:** Windows **Workaround:** The topic "WLST Command and Variable Reference" in *WebLogic Scripting Tool* contains the preceding updates.
CR235344	**Administration Server name and listen port changes specified in Template Builder do not take effect for Service Bus domains** 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. **Operating System:** Windows **Workaround:** After you create a domain based on this template, edit the domain `config.xml` file and enter the correct host name and listen port.