



BEA WebLogic Server[™] and BEA WebLogic Express[™]

Release Notes for BEA WebLogic Server 6.1

BEA WebLogic Server Version 6.1
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BEA WebLogic Server 6.1 Release Notes

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About This Document

This document introduces the current release of BEA WebLogic Server. It contains important information on new features, supported specifications, and known problems.

The document is organized as follows:

- Chapter 1, “WebLogic Server 6.1 Features and Changes,” is an overview of WebLogic Server 6.1. It contains important information concerning the current release of WebLogic Server and any accompanying Service Packs.
- Chapter 1, “Notes and Problems,” is a list of known problems in WebLogic Server 6.1.
- Chapter 2, “Resolved Problems,” contains information on bug fixes for WebLogic Server 6.1.

Audience

This document is written for all users of WebLogic Server 6.1.

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In your e-mail message, please indicate the software name and version you are using, as well as the title and document date of your documentation. If you have any questions about this version of BEA WebLogic Server, or if you have problems installing and running BEA WebLogic Server, contact BEA Customer Support through BEA WebSupport at <http://www.bea.com>. You can also contact Customer Support by using the contact information provided on the 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

Documentation Conventions

The following documentation conventions are used throughout this document.

Convention	Usage
Ctrl+Tab	Keys you press simultaneously.
<i>italics</i>	Emphasis and book titles.
monospace text	Code samples, commands and their options, Java classes, data types, directories, and file names and their extensions. Monospace text also indicates text that you enter from the keyboard. <i>Examples:</i> <pre>import java.util.Enumeration; chmod u+w * config/examples/applications .java config.xml float</pre>
<i>monospace italic text</i>	Variables in code. <i>Example:</i> <pre>String CustomerName;</pre>
UPPERCASE TEXT	Device names, environment variables, and logical operators. <i>Examples:</i> LPT1 BEA_HOME OR
{ }	A set of choices in a syntax line.

Convention	Usage
[]	Optional items in a syntax line. <i>Example:</i> java utils.MulticastTest -n <i>name</i> -a <i>address</i> [-p <i>portnumber</i>] [-t <i>timeout</i>] [-s <i>send</i>]
	Separates mutually exclusive choices in a syntax line. <i>Example:</i> java weblogic.deploy [list deploy undeploy update] password {application} {source}
...	Indicates one of the following in a command line: <ul style="list-style-type: none">■ An argument can be repeated several times in the command line.■ The statement omits additional optional arguments.■ You can enter additional parameters, values, or other information
.	Indicates the omission of items from a code example or from a syntax line.

1 Notes and Problems

The following sections describe levels of support and general problems in this release:

- Service Pack Information
- Certifications
- Standards Support
- Deprecated Features
- Applets
- HTML Pages and Netscape
- Java Development Kit
- Clusters, DNS, and Multihoming on NT
- WebLogic Tuxedo Connector
- WebLogic Tuxedo Connector
- Known Problems

Service Pack Information

BEA will release WebLogic Server 6.1 with Service Pack 4 in mid-November 2002. Service Pack 4 includes many new improvements and fixes to the original 6.1 release. It also includes the fixes that were made in Service Pack 1, Service Pack 2 and Service Pack 3.

For a list of issues fixed in Service Pack 4, see Chapter 2, “Resolved Problems.” For a list of open issues still found in WebLogic 6.1 with Service Pack 4, see [Known Problems](#) in Chapter 1, “Notes and Problems.”

The following sections detail notes on the Service Packs released for WebLogic Server 6.1. These are neither bug fixes or known issues but contain important information. If you are upgrading to a service pack you should read these carefully.

Service Pack 4

The following are important notes for WebLogic Server 6.1 Service Pack 4:

JDBC

With the release of WebLogic Server 6.1 Service Pack 4, BEA certified the Oracle 9.2.0 Thin Driver for use with WebLogic Server. The software distribution for Service Pack 4 includes the following new JDBC drivers:

- WebLogic jDriver for Oracle 9.2.0, in addition to versions for Oracle 8.1.7 and 9.0.1.
- Oracle 9.2.0 Thin Driver, which replaces the 8.1.7 version that shipped with previous releases of WebLogic Server 6.1.

For more information about using WebLogic jDriver for Oracle, see [Installing and Using WebLogic jDriver for Oracle](#). For more information about using the Oracle Thin Driver with WebLogic Server, see [Using Third-Party Drivers with WebLogic Server](#).

In the Oracle Thin Driver version 9.2.0, Oracle removed some extension methods that were previously available in the driver. These methods are no longer supported and were removed from WebLogic Server in Service Pack 4:

Class:

```
weblogic.jdbc.oracle.OracleConnection
```

Method:

```
isCompatibleTo816()
```

Class:

```
weblogic.jdbc.oracle.OracleStatement
```

Method:

```
getWaitOption()  
setWaitOption(int i)  
setAutoRollback(int i)  
getAutoRollback()
```

Class:

```
weblogic.jdbc.oracle.OracleResultSet
```

Method:

```
getCURSOR(String s)
```

Service Pack 3

The following are important notes for WebLogic Server 6.1 Service Pack 3:

ACLs

In WebLogic Server 6.1 Service Pack 3, an error in the implementation of ACLs for JDBC was fixed, which makes ACLs very strict. If you define an ACL for connection pools, access is restricted to *exactly* what is defined in the ACL. For more information, see [Permissions](#) at

http://e-docs.bea.com/wls/docs61/jdbc/programming.html#programmin_g006.

WebLogic jDriver for Oracle Version Support Changes

The following list details recent changes to supported versions of Oracle used with WebLogic jDriver for Oracle:

- As of the release of WebLogic Server 6.1 Service Pack 3, BEA no longer supports WebLogic jDriver for Oracle with Oracle 8.1.6. If you are using WebLogic jDriver for Oracle to connect to an Oracle 8.1.6 database, you must upgrade to Oracle version 8.1.7 or 9.0.1, which includes the following steps on the machines on which WebLogic Server is running:
 - Upgrade the Oracle client installation to the 8.1.7 or 9.0.1 version.

- Update the `ORACLE_HOME` environment variable to point to the updated version of the Oracle client.
- Modify your `PATH` (on Windows, varies on UNIX) to include the path to the new Oracle client and to the appropriate version of the WebLogic `jdbcDriver` for Oracle.

For more information, see [Setting Up the Environment for Using WebLogic `jdbcDriver` for Oracle](http://e-docs.bea.com/wls/docs61/oracle/install_jdbc.html#environment) in *Installing and Using WebLogic `jdbcDriver` for Oracle* at http://e-docs.bea.com/wls/docs61/oracle/install_jdbc.html#environment.

Oracle 9.0.1 Thin Driver Certification

For the release of WebLogic Server 6.1 Service Pack 3, BEA certified the Oracle 9.0.1 Thin Driver for use with WebLogic Server. For more information about using the Oracle Thin Driver with WebLogic Server, see [Using Third-Party Drivers with WebLogic Server](http://e-docs.bea.com/wls/docs61/jdbc/thirdparty.html) at <http://e-docs.bea.com/wls/docs61/jdbc/thirdparty.html>.

JMS

WebLogic Server 6.1 Service Pack 3 includes the WebLogic Messaging Bridge.

A messaging bridge is responsible for transferring messages between two messaging providers. The WebLogic Messaging Bridge allows you to configure a store-and-forward mechanism between any two messaging products—including separate implementations of WebLogic JMS.

For more information, see [Using the WebLogic Messaging Bridge](#) in the *Administration Guide*.

WebLogic Server 6.1 Service Pack 2 includes a new JMS message paging feature.

The WebLogic JMS Message Paging feature can free up valuable virtual memory during peak message load periods by swapping out messages from virtual memory to persistent storage when message loads reach a specified threshold. From a performance perspective, this feature can greatly benefit WebLogic Server implementations with the large message spaces that are required by today's enterprise applications.

Two metrics are used to determine when to start and stop paging: bytes paging and messages paging. Each metric is the basis of a single paging mode, which you can enable and disable individually, or use simultaneously, on JMS servers and/or destinations (topics and queues).

Paging is configured through the Administration Console. Using the paging attributes on the JMS Server node, you can specify a paging store for the server, enable bytes and/or messages paging, and configure the bytes/messages high and low thresholds to start and stop paging. Similarly, using the paging attributes on the Destinations node, you can configure bytes/messages paging for all topics and queues configured for the JMS server. The destinations use the paging store that is configured for the JMS server. Also, if you use JMS templates to configure multiple destinations, you can use the paging attributes on the Templates node to quickly configure message paging on all your destinations.

For detailed instructions on configuring message paging, see the section called **“Tuning JMS”** in the *WebLogic Server Administration Guide* at <http://e-docs.bea.com/wls/docs61/adminguide/jms.html>.

Service Pack 2

The following are important notes for WebLogic Server 6.1 Service Pack 2:

Compatibility Issues

Weblogic Server 6.1 Service Pack 2 introduced two compatibility issues, which are explained in this section.

Mandatory Start Script Switch for WebLogic Server 6.1 Service Pack 2 Clients

By default, a WebLogic Server 6.1 Service Pack 2 client does not interoperate with a WebLogic Server 6.1 GA or 6.1 Service Pack 1 server. This is true both for a 6.1 SP2 client and a 6.1 SP2 server acting as a client to a 6.1 GA or 6.1 SP1 server.

To allow an SP2 client to talk to a 6.1 GA or 6.1 SP1 server, add the following switch to the WebLogic Server 6.1 Service Pack 2 start script:

```
-Dweblogic.61compat=true
```

Fix to SAX Parser May Result in Detection of Encoding Errors

Service Pack 2 fixes WebLogic Server's built-in SAX parser such that it now correctly parses deployment descriptor files that are written using any character set.

Prior to this fix, WebLogic Server would have failed to detect encoding problems in your `.xml` files for English-only applications. Consequently, English-only applications that contained encoding problems and ran without fail in the past may now fail with this Service Pack 2 fix; WebLogic Server will report an encoding-not-supported error.

If WebLogic Server reports this error, check the specified `.xml` file for the correct encoding name and syntax.

Certifications

- WebLogic Server 6.1 Service Pack 2 is certified with Sun's J2SE 1.3.1_01.
- WebLogic Server 6.1 Service Pack 2 is certified with HP JVM 1.3.1_01. For information on the patches required by HP JVM 1.3.1_01, see the following website:

<http://www.hp.com/products1/unix/java/infolib/patches.html>

- With the release of WebLogic Server 6.1 Service Pack 2, BEA supports WebLogic jDriver for Oracle for use with Oracle 9i. You can now use the JDBC driver to connect to an Oracle 9i database. For more information about WebLogic jDriver for Oracle, see [Installing and Using WebLogic jDriver for Oracle at http://e-docs.bea.com/wls/docs61/oracle/index.html](http://e-docs.bea.com/wls/docs61/oracle/index.html).

For the most accurate and current information regarding platform support, see the [Platforms Support Page at http://edocs/wls/platforms/index.html](http://edocs/wls/platforms/index.html).

HttpClusterServlet and HttpProxyServlet Updated to Support HTTP 1.1

Service Pack 2 includes new versions of the `HttpClusterServlet` and the `HttpProxyServlet` that support the HTTP 1.1 protocol. In addition, these servlets now use the same configuration parameters as the Apache, Netscape, and Microsoft IIS plug-ins.

For more information see the following documents:

- [Proxying Requests to Another HTTP Server at `http://e-docs.bea.com/wls/docs61/adminguide/http_proxy.html`.](http://e-docs.bea.com/wls/docs61/adminguide/http_proxy.html)
- [Proxying Requests to a WebLogic Cluster at `http://e-docs.bea.com/wls/docs61/adminguide/http_proxy_cluster.html`.](http://e-docs.bea.com/wls/docs61/adminguide/http_proxy_cluster.html)
- [Parameters for Web Server Plug-ins at `http://e-docs.bea.com/wls/docs61/adminguide/plugin_params.html`.](http://e-docs.bea.com/wls/docs61/adminguide/plugin_params.html)

Security

Weblogic Server Service Pack 2 includes two new classes related to security:

- `weblogic.security.SSL.TrustManager` allows you to override validation errors in a peer's digital certificate and continue the SSL handshake. You can also use the class to discontinue an SSL handshake by performing additional validation on a server's digital certificate chain. For more information, see the section called “Using a Trust Manager” in “[Programming with the WebLogic Security SPI](http://e-docs.bea.com/wls/docs61/security/prog.html)” at <http://e-docs.bea.com/wls/docs61/security/prog.html>.
- `SSLContext` is used to implement a secure socket protocol that holds information such as Host Name Verifier and Trust Manager for a given set of SSL connections. For more information, see the section called “Using an SSL Context” in “[Programming with the WebLogic Security SPI](http://e-docs.bea.com/wls/docs61/security/prog.html)” at <http://e-docs.bea.com/wls/docs61/security/prog.html>.

In addition, Service Pack 2 adds parameters for SSL session caching that eliminate the need for the connection to go through the SSL handshake again. For more information, see the section called “Modifying Parameters for SSL Caching” in “[Managing Security](http://e-docs.bea.com/wls/docs61/adminguide/cnfgsec.html)” at <http://e-docs.bea.com/wls/docs61/adminguide/cnfgsec.html>.

Servlets and JSPs: Default Encoding

As of Weblogic Server 6.1 Service Pack 2, the default encoding used for servlets and JSPs has been changed to ISO8859_1. Previously the default encoding used was the JVM default. This change is in accordance with the latest servlet specification. Servlet Specification 2.3 SRV 4.9 states that the default encoding should be ISO8859_1.

BEA recommends you explicitly set the encoding of the request and response objects in order to avoid any encoding problems. For further details on how to set encoding, point your browser to

<http://edocs.beasys.co.jp/e-docs/wls61/jconfig/wls61jconfig.html>.

WebLogic 6.1 and 5.1 Interoperability

As of WebLogic Server 6.1 Service Pack 2, it is possible to bi-directionally interoperate with WebLogic 5.1 Servers. This allows a WebLogic 6.1 Server to remotely invoke EJBs or RMI objects hosted on a WebLogic 5.1 Server. It also allows the reverse—a WebLogic 5.1 Server can remotely invoke EJBs or RMI objects hosted on a WebLogic 6.1 Server. For further details, see the [Interoperability Guide](#) at

<http://e-docs.bea.com/wls/docs61/interop/interop.html>.

Certifications

See the [Certifications Page](#) at

<http://e-docs.bea.com/wls/certifications/certifications/index.html> for the most accurate and current information regarding platform support.

Standards Support

Standard	Version
HTTP	1.1
J2EE Connector Architecture	1.0
J2EE EJB	2.0
J2EE JDBC	2.0
J2EE JNDI	1.2
J2EE JSP	1.1
J2EE JTA	1.0.1
J2EE JMS	1.0.2
J2EE RMI	1.0
RMI/IIOP	1.0
J2EE Servlet	2.2
LDAP	2
SSL	3
X.509	3

Deprecated Features

The following features are deprecated in WebLogic Server 6.1 and will not be supported in the future:

- `weblogic.db.jdbc.EventfulTableDataSet`

- WebLogic WorkSpaces
- WebLogic Events
- WebLogic Time
- WebLogic JDBC t3 driver
- ZAC

Applets

A problem with the `tools.jar` shipped with the JDK prevents Applets from being served to the client correctly. If `tools.jar` is located in your server CLASSPATH, you must ensure that `weblogic.jar` appears in the server CLASSPATH before `tools.jar`.

HTML Pages and Netscape

If you already have a Netscape browser running when you start WebLogic Server, some HTML pages will not display. For example, if you select the *About WebLogic Server* page from the Start menu, and you have Netscape running and do not have Microsoft Internet Explorer, the screen may flash but the page will not display.

Java Development Kit

A JDK provides a Java runtime environment (the Java Virtual Machine or JVM) and tools for compiling and debugging your Java applications. Your installation of WebLogic Server 6.1 includes the 1.3.1rc2 JDK from Sun Microsystems.

Clusters, DNS, and Multihoming on NT

Be aware of naming issues when using multihoming features on Windows NT in a cluster. For example, there may be naming conflicts if a cluster is running on a multihomed Windows NT machine and one of the servers in the cluster is bound to the same DNS name as the machine name. Attempts to contact that server using the DNS name in a URL may result in Windows NT converting that DNS name to any of the IP addresses of the multihomed Windows NT machine. In this case, the request may go to the wrong address. Avoid having DNS names that match your machine name.

WebLogic Tuxedo Connector

In WebLogic Server Release 6.1, the WebLogic Tuxedo Connector has the following limitations:

- Does not support dynamic configuration changes to WebLogic Tuxedo Connector gateway
- Does not support View buffers.
- Does not support in-bound RMI/IIOP transactions from a Tuxedo application..
- Does not support clustering. Only one instance of WebLogic Tuxedo Connector can be used in a clustered environment.
- Does not support Tuxedo 6.5 running on VMS, AS/400, and OS/390 platforms.

Known Problems

The following sections describe known problems with this software release. BEA is addressing these problems.

- “Console Known Problems” on page 1-13

- “EJB Known Problems” on page 1-13
- “Examples and Pet Store Demo Known Problems” on page 1-14
- “Installer Known Problems” on page 1-16
- “JCA Known Problems” on page 1-18
- “JDBC and jDrivers Known Problems” on page 1-18
- “JMS Known Problems” on page 1-20
- “JSP Known Problems” on page 1-20
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- “WebLogic Tuxedo Connector Known Problems” on page 1-35
- “XML Known Problems” on page 1-35
- “ZAC Known Problems” on page 1-37

Console Known Problems

Change Request Number	Description
053277	If you use Netscape to bring up the Administration Console and try to edit a template for an LDAP Realm configuration, using the arrows or the bottom scroll bar to go left or right in the Configuration Data window causes the displayed data to look garbled. If you click the Apply button, no corrupt data is saved in <code>config.xml</code> , but it is difficult to edit the template.

EJB Known Problems

Change Request Number	Description
035884	The maximum number of Enterprise JavaBeans (EJBs) that can be deployed on one WebLogic Server instance is 390. This is due to a Sun bug and is a limitation caused by the 1.3 JDK; it may be fixed by the 1.3.1 release of the JDK. The Sun Bug ID is: 4390238.
051543	If you try to deploy a completely incorrect EJB, the EJB container throws an exception from its deploy method. However, if you click on that EJB in the console, it still has the Deployed box checked.
062927	Requesting an EJB served by WLE 5.1 from a JSP served by WLS 6.1 may give the following exception: <pre>java.lang.NoClassDefFoundError</pre> Add the location of the WLE 5.1 <code>wlej2eec1.jar</code> file to the CLASSPATH of your WLS 6.1 <code>startWeblogic.cmd</code> or <code>startWeblogic.sh</code> script.
079539	WebLogic Server 6.1 sp3 is not compatible with Application Integration in WLI 2.1 sp1. Please contact BEA Customer Support for more information.

Examples and Pet Store Demo Known Problems

Change Request Number	Description
043156	<p>The <code>ejbmanagedclient.jsp</code> relies on a variable that is set to <code>t3://localhost:7001</code> and does not get the port number dynamically. Thus, when the page is requested, it cannot find the server. The exception is thrown, although the stack trace is not printed out. The page shows up as:</p> <pre>-----UnexpectedError-----</pre> <p>Customers running this example on a different port than 7001, will need to edit the <code>jsp</code> file.</p> <p>The variable you must edit is in this section:</p> <pre><!-- Here, we declare a class method --> <%! String pagetitle = "JSP example using EJB-managed persistence"; String url = "t3://localhost:7001";</pre> <p>Edit the URL to point to the correct server/port number that has been installed.</p>
044641	<p>There is some missing information in <code>examples/ejb/sequence/userDesignated/package-summary.html</code>. Make sure that you use the <code>table.ddl</code> file, included in the example's package, as the source for the table that needs to be built for this example. Also, make sure that table is named <code>"NAMED_SEQUENCE_TABLE"</code> not <code>"NAMED_SEQUENCE-TABLE"</code>.</p>
047654	<p>In the <code>dbKona</code> examples, a pool connection cannot be made and an error is thrown when trying to boot the example server.</p>
047928	<p>When running the Web Application security example, there is no link in the console for creating a group and adding members to it. Also, on the group window, clicking on Name or Members causes a 500 Internal Server Error.</p>
048358	<p>The <code>security/rdbmsrealm/rdbmsrealm.ddl</code> and <code>utils/ddl/demo.ddl</code> examples have problems with improper comment symbols.</p>

Change Request Number	Description
052556	The WebLogic Tuxedo Connector CORBA <code>simpappcns</code> example fails when run in the examples domain after running the WLEC examples. The problem is a conflict with the Smpapp client stubs left in the <code>SERVER_CLASSES</code> directory from the WLEC examples. Before running the <code>simpappcns</code> example, check the <code>SERVER_CLASSES</code> environment variable. If the WLEC examples have been run, delete all <code>simpapp</code> client stubs from <code>SERVER_CLASSES</code> .
053356	The example <code>samples/examples/wtc/corba/simpappcns</code> does not have a <code>run.sh</code> UNIX script and will not work on UNIX machines.
062545	WebLogic Server domain running Solaris <code>simpappcns</code> can't call Tuxedo Corba Server domain running on NT.
062799	<p>The documentation for three of the WIRELESS examples contains an error in Step 7 of the instructions. The examples in question are <code>helloWorld</code>, <code>stockDemo</code> and <code>travelDemo</code>.</p> <p>Step 7 should read:</p> <pre>Path=./config/examples/helloWorld</pre> <p>rather than:</p> <pre>Path=./config/examples</pre> <p>If uncorrected, the examples will not find the deployed applications.</p>
064001	<p><code>examples.webservices.message.package-summary.html</code> contains an incorrect instruction. Step 13 says "Right-click the Destinations node and choose Configure a new <JMSTopic>" from the drop-down list."</p> <p>JMSTopic should read JMSQueue.</p>
078441	Some examples fail when a data source is re-targeted. If, after re-targeting a data source, an example fails with the error message, "Cannot obtain connection after X seconds", make sure to restart the examples server in order for the change to take effect.

Installer Known Problems

Change Request Number	Description
039773	<p>The following misleading error message occurs when there is not enough space in /temp to run the installer:</p> <pre>Preparing to install... The included VM could not be extracted. Please try to download the installer again and make sure that you download using 'binary' mode. Please do not attempt to install this currently downloaded copy.</pre> <p>By default the installer tries to unpack all the installer files in the /temp directory. If there isn't enough temporary space there, you cannot install and you get this message. Make room in the /temp directory for the installer files.</p>
040353	<p>Installation problems can occur on HP-UX and Solaris machines because shared libraries do not have execute permission. File permission changes made by the WebLogic Server installer are reverted by installer imposed standard attributes. A workaround is to issue the <code>chmod +x</code> command on all the shared library objects (under <code>lib/hpux11</code> and <code>lib/solaris</code>).</p>
043357	<p>If you are getting the following error on Solaris 2.6 or 2.7 UNIX systems:</p> <pre>UnsatisfiedLinkError in AWT applications (libmawt.so: open failed: No such file for directory). The policytool will not open. The Java Plug-in Control Panel will not open.</pre> <p>Usually you might workaround this problem by modifying the <code>LD_LIBRARY_PATH</code>. For example:</p> <pre>setenv LD_LIBRARY_PATH /usr/j2se/jre/lib/i386/motif12:\$LD_LIBRARY_PATH</pre> <p>But, in some cases with problems with the <code>libmawt.so</code> files, you may require a patch from Sun: see http://java.sun.com/j2se/1.3/install-solaris-patches.html for Sun's patch information.</p>

Change Request Number	Description
053469 & 055598	When using the Administration Console, add the line, <code>acl.modify.weblogic.admin=Administrators</code> , to the <code>filerealm.properties</code> to grant permissions to users and/or groups. This ACL was in WebLogic Server 6.0, 6.0 Service Pack 1 and 6.0 Service Pack 2.
054058	When encountering an unsupported browser, <code>beaexec.exe</code> may result in WebLogic Server crashing.

JCA Known Problems

Change Request Number	Description
049344	The current BEA WebLogic J2EE Connector architecture implementation does not provide the ability to detect the errors discussed in section 6.8 (Scenarios: Local Transaction Management) of the J2EE Connector Specification, Version 1.0, Proposed Final Draft 2.

JDBC and jDrivers Known Problems

Change Request Number	Description
033423	dbKona problems exist with <code>QueryDataSet</code> and the <code>OCI805_8</code> driver. The problems are fixed on Windows NT, but this is still a problem on HP-UX and Solaris.
035301	There are problems using the RMI driver with Sybase connection pools.
035530	Problems with enabling OS authentication and using Oracle 8.1.6/oci8 with the jDriver are fixed on NT and HP-UX, but are still an issue on Solaris. An error message that reports this problem: OS level authentication is not currently supported due to a defect in OCI 8 libraries.
040413	<p>Cluster hanging problems have been observed in some instances on Solaris machines. This appears to be caused by a libthread deadlock between <code>SIGALRM</code> and <code>SIGLWP</code>. The deadlock manifests itself when the server is attempting a JDBC connection. To help avoid the problem, use the Administration Console to set the <code>InitialCapacity</code> attribute equal to the <code>MaxCapacity</code> attribute in the <code>JDBCConnectionPool</code> entry.</p> <p>A similar problem was previously logged as a Sun Microsystems Bug (ID 4141709 libthread deadlock between <code>SIGALRM</code> and <code>SIGLWP</code>), against Solaris 2.6. There is currently no mention of the problem for Solaris 2.7. For Solaris 2.6, the patch for this problem is 105569-16.</p>

Change Request Number	Description
043224	<p>Oracle supports of its own class of Array (<code>oracle.sql.Array</code>) through its ThinDriver. If you attempt to use these classes in an application that gets its connection using WebLogic Server JDBC, they will not work.</p>
048219	<p>Flush doesn't seem to "commit" with RMI Clob character write. This only seems to affect flushing when you are using these write methods:</p> <ul style="list-style-type: none"> ■ <code>write(char[] cbuf)</code> ■ <code>write(char[] cbuf, int off, int len)</code> ■ <code>write(String str)</code> ■ <code>write(String str, int off, int len)</code> <p>It works fine with:</p> <ul style="list-style-type: none"> ■ <code>write(int c)</code> <p>No problems with flushing occur when using an Ascii Stream with a Clob. Also, to commit your write, you have to explicitly close the stream. This may only be a problem if you wanted to read back from the Clob before you were ready to close out your write stream.</p>
049519	<p>Due to a bug in Oracle's thin driver, the following method is not compliant with the <code>java.sql.PreparedStatement</code> API:</p> <pre>PreparedStatement.setTimestamp(int param index, Timestamp x, Calendar cal)</pre> <p>The timestamp value is not adjusted according to the <code>TimeZone</code> specified in the <code>Calendar</code> object. The default <code>TimeZone</code> is always used. Oracle may fix this bug in future releases of the thin driver.</p>
078936	<p>If you have the HP-UX UNIX patch, PHSS_24627, installed, an HP Server Bus error occurs when WebLogic Server 6.1 Service Pack 2 accesses Oracle upon start-up. With the newer aCC libraries version A.03.33, using the <code>-AA CXXFlag</code>, the user gets a <code>java.lang.UnsatisfiedLinkError</code> while accessing Oracle upon WebLogic Server start-up. Contact HP for a solution to this problem.</p>

JMS Known Problems

Change Request Number	Description
037683	The JMS Topic configuration tab in the console accepts any alphabetic characters as valid values for a Multicast Address. It should validate the value that is entered against an Internet Address format.
049229	You may experience problems with JMS if you run the server with the unsupported JDK 1.3.0. This problem occurs when restarting the server when there are existing messages in the JMS store -- these messages are ignored. It is recommended that you use the 1.3.1 JDK that is bundled with the server.
083538	In a multi-server configuration, an application or EJB on one server cannot lookup and get a connection from a <code>TxDataSource</code> on another server. The application or EJB must use a <code>TxDataSource</code> on the same server. This is a system limitation.

JSP Known Problems

Change Request Number	Description
049854	The ejb2 JSP tool does not support EJB 2.0 local interfaces.

Security Known Problems

Change Request Number	Description
048159	When a Log Audit Provider is being used, no messages are being sent to the WebLogic Log File notifying you that auditing is turned on.

Change Request Number	Description
051215	<p>When entering the system password during startup for WebLogic Server, if you use a CTRL/C sequence to interrupt the WebLogic Server startup, the terminal window stays in no-echo mode and characters that are typed are not echoed.</p> <p>If possible, wait to interrupt the WebLogic Server startup until after you enter the system password. If you do use a CTRL/C sequence when entering the system password, reset the terminal window or close the terminal window and start another window.</p>
051315	<p>The Node Manager in WebLogic Server cannot process the private keys created by the Certificate Request Generator servlet. The <code>wlkeytool</code> converter tool has been provided to solve this problem.</p> <p>Use the <code>wlkeytool</code> converter tools as follows:</p> <pre>wlkeytool inputkey.pem outputkey.pem</pre> <p>where</p> <p><code>inputkey.pem</code> is the name of the private key created by the Certificate Request Generator servlet.</p> <p><code>outputkey.pem</code> is the name of the converted private key.</p> <p>If the private key is password protected (that is, if you specified a password in the Private Key Password field in the Certificate Request Generator servlet), the <code>wlkeytool</code> converter tool prompts you for the password. If the private key is unprotected, press Enter.</p> <p>The <code>wlkeytool</code> converter tool prompts you for a password for the converted private key. A password must be supplied, or the <code>wlkeytool</code> converter tool will not create an unprotected private key.</p> <p>A deployed WebLogic Server does not support the converted private key created by the <code>wlkeytool</code> converter tool, so you should retain the private key created by the Certificate Request Generator servlet and use it with your deployed WebLogic Servers.</p>
053390	<p>If you are using an RDBMSRealm with a Caching Realm enabled, and the <code>DatabasePassword</code> is not specified in the RDBMSRealm tag in the <code>config.xml</code> file, the server halts with the error "<code><wlsstartuperror1></code>" and does not startup.</p> <p>Workaround: Open the <code>config.xml</code> file and add the <code>DatabasePassword</code> in clear text to the RDBMSRealm tag.</p>

Change Request Number	Description
053409	<p>To use the Java Security Manager with WebLogic Server, specify the <code>-Djava.security.manager</code> property when starting WebLogic Server.</p> <p>The included startup scripts specify a policy file but no security manager. Therefore the policy file ends up getting ignored. You must set a security manager for the policy file to become effective.</p>
078619	<p>Group Membership caching is not using the value set in <code>GroupMembershipCacheTTL</code>. It is instead using the value set in <code>GroupCacheTTLPositive</code>.</p>
078894	<p>When <code>FlatGroup.clearCache()</code> is invoked to refresh the cache, and <code>isMember</code> is invoked for a second time, <code>isMember</code> is returning false. It is still using old cache data.</p>

Server Known Problems

Change Request Number	Description
039575	If your servlet makes an HTTP connection back to the same server there is the possibility of deadlock under load. To work around the problem, use a separate execute queue for the servlet that returns the DTD.
042556	<p>The <code>weblogic.Admin</code> command now requires the user and password options. For example:</p> <pre>java weblogic.Admin -username system -password gumby1234</pre> <p>The username “system” is required for most functions (for example: <code>VERSION</code>). If you do not specify <code>-username system</code>, you will get the following error:</p> <pre>Exception in thread "main" java.lang.SecurityException: Authentication for user system denied in realm weblogic <<no stack trace available>></pre>
051980	When using the 1.3 VM with HotSpot, doing a thread dump causes the JVM to exit and the server to crash.
052300	Using Call-by-Reference doesn't work when you deploy your application as an <code>.ear</code> file that is not located in the applications directory and if you have set <code>ServletReloadCheckSecs</code> is set to <code>-1</code> .
052406	Attempting to start Managed Servers in quick succession creates problems. A delay between starting them fixes the problem.
052543	When passing complex objects server to server using RMI-IIOP, there will be many problems using <code>com.sun.jndi.cosnaming.CNCtxFactory</code> when getting an initial context; it is recommended to use <code>weblogic.jndi.WLInitialContextFactory</code> instead.
053328	If you are having problems with out of memory errors while using HP, try increasing the kernel parameter called <code>max_thread_proc</code> to 1024.

Change Request Number	Description
053330	The SNMP agent uses an object identifier (OID) for WebLogic in communicating with SNMP management systems. The WebLogic OID for 6.1 is different than the WebLogic OID for 5.1. In 5.1 it was .1.3.6.1.4.140.600, but in 6.1 it is .1.3.6.1.4.140.625.
054504	<p>We have encountered problems on Windows 2000 and NT when using the <code>-hotspot</code> option with the JVM. This is due to a Sun bug (http://developer.java.sun.com/developer/bugParade/bugs/4479571.html) and results in intermittent crashes of the server. To work around this problem, try setting:</p> <pre>-XX:MaxPermSize=128m</pre> <p>This option allows you to increase the size of the area HotSpot uses for class representations.</p>
057008	The <code>NTSocketMuxer.getCPUCount()</code> is returning an incorrect value. A Service Pack from Microsoft that is installed does not recognize all of the CPUs.
058868	Due to a HotSpot virtual machine error, a signal 11 may unexpectedly crash WebLogic Server running on Solaris.
059018, 063937, 063939, 063965	<p>By default, a WebLogic Server 6.1 Service Pack 2 client does not interoperate with a WebLogic Server 6.1 GA or 6.1 Service Pack 1 server. This is true both for a 6.1 SP2 client and a 6.1 SP2 server acting as a client to a 6.1 GA or 6.1 SP1 server.</p> <p>To allow an SP2 client to talk to a 6.1 GA or 6.1 SP1 server, add the following switch to the WebLogic Server 6.1 Service Pack 2 start script:</p> <pre>-Dweblogic.61compat=true</pre>

Change Request Number	Description
065410	<p>Due to a Sun bug, a <code>java lang.OutOfMemory</code> error may occur when starting WebLogic Server if the number of classes being loaded is too high.</p> <p>As a workaround, increase the value of the JVM option <code>-XXMaxPermSize</code> when initializing WebLogic Server, using this syntax:</p> <pre>java -XX:MaxPermSize=<value>K</pre> <p>where <code><value></code> is some number of kilobytes. The JVM uses a default maximum value of 32 MB.</p> <p>This problem has been reported to Sun.</p>
078289	<p>When a browser using Java Plug-in 1.3.1_02 or 1.3.1_03 refreshes a page with applets, the JVM issues simultaneous <code>destroy()</code> and <code>init()</code> calls to the applets. Because the calls are at the same time, applets may not properly close before trying to initialize.</p> <p>As a workaround, use <code>thread.sleep()</code> in the <code>init()</code> method of your applets to delay initialization by approximately 1000 milliseconds. The delay ensures that the <code>destroy()</code> call finishes any required cleanup before the applet attempts to reinitialize.</p>

Servlet and Web Application Known Problems

Change Request Number	Description
041528	Cookies generated by the first release of WebLogic Server 6.0 with no Service Pack applied are not recognized by WebLogic Server 6.1.
046536	HTTPS does not work with Virtual Hosting.
046537	Virtual Hosts should define their own security realms.
048678	<p>Previously, to log out a user from a Web Application you could use <code>session.invalidate()</code>. This now only works if the user has been to just one Web Application. If more than one Web Application is visited, <code>session.invalidate()</code> will not log out the user. This is not a known issue; rather it is a design change due to the implementation of Single-Signon. The server tracks the user at the Web server level and not the Web Application level--this behavior is mandated by the Servlet 2.2 specification. If you wish to log out users who have been to more than one Web Application, use:</p> <pre>weblogic.servlet.security.ServletAuthentication. logout(request);</pre>
050811	If you modify a filter class, you must redeploy the Web Application to apply the change.
051311	You cannot not put white space in the name (context path) of a Web Application.

Change Request Number	Description
051329	<p>The following issue is merely informational and will not be fixed or changed because it is the desired functionality.</p> <p>In the WebLogic Server <code>config.xml</code> file, the <code>Path</code> attribute of an archived Web application should consist only of the path to the archive file, but not the archive file name itself. In contrast, the <code>URI</code> attribute of a Web Application Component should consist only of the archive file name. For example:</p> <pre><Application Name=foo, Path=/apps> <WebAppComponent Name=foo,URI=foo.war> </Application></pre> <p>For backward compatibility, WebLogic Server 6.1 accepts a <code>config.xml</code> that specifies both the path and the archive filename of an application in the <code>Path</code> attribute (for example, <code>Path=/apps/foo.war</code>). However, the XML file is overwritten to specify only the path (<code>/apps</code>).</p>
052686	<p>The Web Application Deployment Descriptor Editor shipped with WebLogic Server 6.1 supports Public Final Draft 1 of the Servlet 2.3 specification. Because of this, there is no means within the editor for configuring the <code><ejb-local-ref></code> element of <code>web.xml</code>, which was introduced in Public Final Draft 2. Further, the editor will remove any <code><ejb-local-ref></code> that may be present in an existing Web App deployment descriptor.</p>

System Administration Known Problems

Change Request Number	Description
034177	The Administration Console does not set the correct attribute value for application status.
034955	The application directory list used to scan for deployments is not persistent. Multiple application directories are not supported.
035670	<p>When you reset an MBean name, the configuration is not saved correctly. To work around this problem:</p> <ol style="list-style-type: none">1. In the Administration Console, clone the MBean.2. Rename the clone.3. Delete the original MBean.
036201	<p>Occasionally, after making modifications in the Administration Console, WebLogic Server cannot be restarted and a Fatal initialization exception Throwable:</p> <pre>weblogic.server.ServiceFailureException: Initializing JNDI: javax.naming.ServiceUnavailableException [Root exception is java.net.UnknownHostException: Unknown protocol: 'Protocol: 'unknown''] message is displayed.</pre>

Change Request Number	Description
038589	<p>If Managed Server(s) are communicating through HTTPS with the Administrative Server, the discovery of Managed Servers does not work. For example, if the Administrative Server is restarted with the <code>-Dweblogic.management.discover=true</code> command line argument and the running managed servers were booted with the <code>-Dweblogic.admin.host=https://<adminhost>:<adminport></code> argument, then the discovery of managed servers does not work.</p> <p>Workaround: When Managed Servers are booted with an HTTPS connection to the Administrative Server, do not restart the Administrative Server with the <code>-Dweblogic.management.discover=true</code> argument.</p> <p>Instead, do the following:</p> <ol style="list-style-type: none"> 1. Restart the Administrative server without the discover flag. 2. Once the Administrative Server is booted, force discovery by the Admin Server by running the following command: <pre>java weblogic.Admin -url <ADMINHOST>:<ADMINPORT> -username system -password <SYSTEM-PASSWORD> INVOKE -mbean "<YOURDOMAIN>:Type=Domain,Name=<YOURDOMAIN>" -method discoverManagedServers</pre>
039033	WebLogic Server complains of an error undeploying an application that does not exist.
039311	When you start a managed server that has been cloned, it throws a <code>ConfigurationException</code> . The workaround is to create a server instead of cloning it.
039532	<p>An <code>.ear</code> file can only be undeployed using the Administration Console once it has been exploded under the applications directory.</p> <p>Also, once the application is undeployed, the only way it can be redeployed is through the Administration Console.</p>

Change Request Number	Description
040034	<p>Attempting to start a server as a Managed Server when it is already running as an Administration Server results in the following misleading error:</p> <pre><Dec 8, 2000 7:44:02 PM PST> <Error> <Configuration Management> <Error connecting to admin server and initializing admin home: admin URL: t3://localhost:7001 java.lang.NullPointerException</pre> <p>Workaround: This is incorrect usage. The same server cannot be started as an Administration Server and a Managed Server. Define a new server for your Managed Server, and specify its name in <code>-Dweblogic.Name</code> during startup.</p>
040124	<p>While the Administration Server is running, copying an existing <code>.jar</code> or <code>.ear</code> file to an applications directory does not redeploy the application. The following error is displayed in the server log:</p> <pre>javax.naming.NameAlreadyBoundException: Can't rebind anything but a replica-aware stub to a name that is currently bound to a replica-aware stub; remaining name '' <Dec 12, 2000 12:09:37 PM PST> <Error> <J2EE> <Error deploying application <YOUR-EJB-NAME>: Could not deploy: '<YOUR-FILE-NAME>': JNDI name in use</pre> <p>Make sure that either the guest user or the everyone group is granted lookup permission to <code>weblogic.jndi</code>. The <code>fileRealm.properties</code> file should contain the following:</p> <pre>acl.lookup.weblogic.jndi=everyone</pre>
041290	<p>If the username property is set from the <code>weblogic.Admin</code> or <code>weblogic.Server</code> command lines, the username must be “system”. Note however, that the username syntax is retained to prevent breaking a user’s scripts. The username may not be modified in the <code>config.xml</code> file. The <code>weblogic.management.password</code> property value must be the system password.</p>
042232, 055217	<p>It is no longer possible to have a domain with the same name as its Administration Server. This will not be fixed, as the namespace conflicts produces too many problems.</p>

Change Request Number	Description
048833	The <code>ServletRuntime</code> mbean contains the method <code>getName()</code> . In previous releases, this method returned the name of the servlet. For all other mbeans, the <code>getName()</code> method returns the name of the mbean. For consistency, in WLS 6.1 the <code>getName()</code> method on the <code>ServletRuntime</code> mbean has been modified to return the name of the mbean. A new method, <code>getServletName()</code> , has been added to the <code>ServletRuntime</code> mbean to return the name of the servlet.
052657	If you set configuration attributes for an application in <code>config.xml</code> , yet the application does not really exist, you will see the application incorrectly displayed as deployed in the Administration Console.
077958	<p>When using <code>NodeManager</code>, the following exception may be thrown:</p> <pre><May 18, 2002 8:53:36 PM PDT> <Error> <NodeManager@localhost:5555> <SocketInputHandler: handshake failed 'FATAL Alert:HANDSHAKE_FAILURE - The handshake handler was unable to negotiate an acceptable set of security parameters.' on socket /172.17.24.148></pre> <p>This exception could be due to one of the following:</p> <ul style="list-style-type: none">■ The JVM version being used to run <code>NodeManager</code> is not supported by WebLogic Server.■ A JSEE conflict if <code>NodeManager</code> is running on the AIX platform. If <code>NodeManger</code> is running on the AIX platform, see Weblogic AIX Platform Support in <i>Platforms</i> for more information.

Tools Known Problems

Change Request Number	Description
063745	The documentation on the <code>weblogic.refresh</code> tool states that you can specify files using wildcards (e.g. <code>*.gif</code>) and that you can use a comma-separated list to specify multiple files. However, in WebLogic Server Service Pack 2, <code>weblogic.refresh</code> does not allow the use of wildcards in comma-separated lists.

Web Services Known Problems

Change Request Number	Description
046807	The exception messages generated by the Java client application in the Java client JAR file are not internationalized.
047435	In RPC-style Web services, user-defined exceptions thrown by the EJB are not propagated to the client applications that use the Web services client API to invoke the service. Instead, they are propagated as generic SOAPFault exceptions.
049966	<p>If you use the WebLogic Server Web Service client API (version 6.1) in a WebLogic Server 6.0 component, such as an EJB, you get the error <code>java.rmi.ConnectException: No available router to destination</code>. This is because a 6.0 JNDI URL factory gets called rather than the initial context factory that you specify in your client code.</p> <p>To work around this problem, get rid of the 6.0 JNDI URL factories by adding the following code snippet when you make your initial context:</p> <pre>h.put(Context.URL_PKG_PREFIXES, "");</pre>
051917	In message-style Web services, JMS exceptions that occur on the target JMS destination are not propagated to the client applications that use the Web services client API to invoke the service.
055062	The <code>path</code> attribute of the <code>clientjar</code> element of the <code>wsgen</code> Ant task does not, as documented, default to <code>client.jar</code> if the <code>path</code> attribute is not specified in the <code>build.xml</code> file.

Change Request Number	Description
055096	You cannot pass a JavaBean that has no package name as a parameter to a WebLogic Web service.
055596	Interoperability issue. WebLogic Web services do not support SOAP 1.1 multi-reference compound data types.
056287	Interoperability issue. WebLogic Web services do not support the xsd:timeInstant and xsd:dateTime in the SOAP encoding.
056452	Interoperability issue. WebLogic Web services do not support multi-dimensional array data types.
056634	Interoperability issue. WebLogic Web services do not support SOAP-ENV:Header attributes.
058175	Interoperability issue. WebLogic Web services do not support xsd:ur-type array data types.
058840	Interoperability issue. The WebLogic Web service client API cannot bind to a WSDL that specifies more than one return type.
059782	Interoperability issue. The WebLogic Web service client API does not support invoking a Web service whose WSDL contains a <soap:header> element in its <binding> section.
059858	Interoperability issue. WebLogic Web services use only the 1999 XML Schema URL in the generated SOAP request, as shown in the following SOAP request snippet: <pre>xmlns:xsi='http://www.w3.org/1999/XMLSchema-instance' xmlns:xsd='http://www.w3.org/1999/XMLSchema'</pre>
061161	Interoperability issue. The WebLogic Web services client API does not support the use="literal" attribute of the <soap:body> element.
061335	Interoperability issue. The WebLogic Web services client API does not support invoking a Web service whose WSDL contains a <part> element with an element attribute inside of a <message> element.

Change Request Number	Description
061350	<p>Interoperability issue. By default, the WebLogic Web services client API generates SOAP requests with qualified names. This does not interoperate well with some other non-WLS Web services, such as .NET.</p> <p>The workaround to this problem is to add the following code to your client application:</p> <pre>CodecFactory factory = CodecFactory.newInstance(); SoapEncodingCodec codec = new SoapEncodingCodec(); codec.writeQualifiedName(false); factory.register(codec);</pre>
061572	<p>Interoperability issue. The WebLogic Web services client API does not support the <code>style="document"</code> attribute of the <code><soap:binding></code> element of WSDL.</p>
061606	<p>When assembling a message-style Web service using the <code>wsgen</code> Ant task, the task adds a literal encoding to the generated WSDL. This forces a programmer invoking the Web service to register the <code>LiteralCodec</code> with the <code>CodecFactory</code>, even when it is not required. The <code>LiteralCodec</code> forces the programmer to have the <code>weblogic.jar</code> file on the client computer.</p>
061929	<p>Interoperability issue. The WebLogic Web services client API always uses qualified names in its generated SOAP requests, even if the client application includes the following code:</p> <pre>codec.writeQualifiedName(false);</pre>
77911	<p>WebLogic Server correctly maps the built-in Java data type <code>byte[]</code> to <code>xsd:hexBinary</code>. However, the JAX-RPC specification states that <code>byte[]</code> should also have a mapping to <code>xsd:base64Binary</code>. Currently, there is no way to specify this mapping using Version 6.1sp3 of WebLogic Web services.</p>
78062	<p>WebLogic Web services cannot interoperate with .NET Web services that use arrays and JavaBeans as parameters or return values.</p>
78530	<p>The Web Service examples do not build on the Solaris operating system.</p>

WebLogic Tuxedo Connector Known Problems

Change Request Number	Description
052737	<p>A misconfigured node name in the WebLogic Tuxedo Connector XML configuration file will cause the system to hang.</p> <p>Use the following step to restart your system:</p> <ol style="list-style-type: none">1. Shut down WebLogic Server.2. Verify your node names in your WebLogic Tuxedo Connector XML configuration file.3. Update the WebLogic Tuxedo Connector XML configuration file with valid node names.4. Restart WebLogic Server.
077553	<p>Integer array object passed by value from Tuxedo to WebLogic Server throws <code>weblogic.utils.AssertionError</code>.</p>

XML Known Problems

Change Request Number	Description
050274	<p>When you use the Administration Console to add either a parser or entity XML Registry entry, and you do not specify a public ID, you cannot subsequently navigate to the entry to edit it.</p> <p>The workaround is to always enter a value in the public ID field when you create an XML registry entry.</p>

Change Request Number	Description
052985	<p>The built-in Xalan transformer package <code>weblogic.apache.xalan</code> does not include the Xalan compatibility API. These classes are included in the <code>xalanjlcompat.jar</code> file if you were to download Xalan 2.0.1 directly from the Apache Web site. For more information on the compatibility API, see http://xml.apache.org/xalan-j/usagepatterns.html#compat.</p> <p>Because these classes are not included in WebLogic Server, if your application uses code from Xalan 1.X that has been deprecated in Xalan 2.0.1, your application will not work correctly. Modify your code so that it does not use the Xalan 1.x deprecated classes, or rewrite your Xalan code to use JAXP instead.</p>

ZAC Known Problems

Change Request Number	Description
061699	<p>WebLogic Server does not automatically register a default web application. Because ZAC gets classes through the default web application, users of ZAC must now explicitly configure a default web application.</p> <p>If you fail to explicitly configure a default web application, ZAC will not function, and the server log will contain a message similar to the following:</p> <pre><Nov 2, 2001 2:50:49 PM PST> <Error> <HTTP> <HttpServer(7908535,null default ctx,myserver) found no context for "/drp-exports/ZACHello/index.xml". This request does not match the context path for any installed web applications and there is no default web application configured.> <Nov 2, 2001 2:50:49 PM PST> <Error> <HTTP> <HttpServer(7908535,null default ctx,myserver) found no context for "/drp-publish/ZACHello/". This request does not match the context path for any installed web applications and there is no default web application configured.></pre>

2 Resolved Problems

The following sections describe problems that will be resolved for the release of WebLogic Server 6.1 Service Pack 4. Service Pack 4 is not yet released. We publish this list for informational purposes only. Be advised--it is highly subject to change, and is not final until the Service Pack is released.

■ WebLogic Server 6.1 Service Pack 4 Solutions

- Classloader
- Cluster
- Console
- EJB
- Examples
- JDBC and jDriver
- JMS
- Miscellaneous
- Plug-ins
- Servlets, JSPs, and Web Applications
- Security
- System Administration

The following sections describe problems that were resolved for the release of WebLogic Server 6.1 Service Pack 3:

■ WebLogic Server 6.1 Service Pack 3 Solutions

- Classloader
- Cluster

- Console
- EJB
- Examples
- JDBC
- jDriver
- JMS
- JTA
- Miscellaneous
- Plug-Ins
- RMI over IIOP
- Security
- Servlets, JSPs and Web Applications
- System Administration
- Web Services
- WebLogic Tuxedo Connector
- XML

The following sections describe problems that were resolved for the release of WebLogic Server 6.1 Service Pack 2.

■ WebLogic Server 6.1 Service Pack 2 Solutions

- EJB
- Examples
- JDBC
- jDriver
- JMS
- Miscellaneous
- Plug-Ins
- RMI over IIOP

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- Security
 - Servlets, JSP and Web Applications
 - System Administration
 - Web Services
 - WebLogic Tuxedo Connector
 - XML

The following sections describe problems that were resolved for the release of WebLogic Server 6.1 Service Pack 1:

■ WebLogic Server 6.1 Service Pack 1 Solutions

- Deployment Descriptor Editor
- EJB
- Examples
- JDBC
- JMS
- JTA
- Miscellaneous
- Plug-ins
- RMI over IIOP
- Servlets and JSP
- System Administration
- Web Services
- XML

The following sections describe problems that were resolved for the release of WebLogic Server 6.1:

■ WebLogic Server 6.1 Release Solutions

- Deployment Descriptor Editor
- EJB

- Examples
- Internationalization
- JCA
- JDBC
- JMS
- Miscellaneous
- Plug-ins
- Servlets and JSP
- Web Services
- XML

WebLogic Server 6.1 Service Pack 4 Solutions

The following sections describe problems that will be resolved for the release of WebLogic Server 6.1 Service Pack 4. Service Pack 4 is not yet released. This list is published for our customer benefit, but be advised--it is highly subject to change, and is not final until the Service Pack is released.

ClassLoader

Change Request Number	Description
077067	Setting the property <code>PreferWebInfClasses</code> in the <code>config.xml</code> now works correctly for resource files; if set, the files will now be taken from the users Web Application.
077344	When a class file was in a JAR file in the <code>WEB-INF\lib</code> folder, the <code>java.lang.ClassNotFoundException: org.apache.commons.logging.impl.LogFactoryImpl</code> was being thrown. This problem has been fixed.
079738	Fixed potential memory leaks when a web application with static references to a large memory structure is deployed or undeployed.
081377	Fixed a problem that resulted when classes were loaded via the context class loader at deployment time.
083752	If a class tried to create an <code>InitialContext</code> and the java command line specified <code>weblogic.jar</code> using the <code>-Xbootclasspath</code> argument, a <code>NullPointerException</code> was being thrown from <code>weblogic.i18ntools.L10nLookup.loadProps</code> . This has been fixed.
084236	The example <code>samples.examples.iiop.wls2wls.package-summary.html</code> now contains correct URL information.

Cluster

Change Request Number	Description
043366	Comma delimited ip addresses can now be specified for the cluster address when the server is started in development mode.
078455	A WebLogic Server Cluster no longer hangs in Session Replication with F5/IIS Cluster Proxy.
078677	<code>HttpClusterServlet</code> now performs failover during the graceful shutdown of the managed server.

2 *Resolved Problems*

081908	Fixed a problem with HTTP session replication when the secondary server is unavailable at the TCP level. This solves a long delay when the server tries to connect to a secondary server that can obviously not receive a TCP request and has already been removed from the cluster view.
083532	Fixed a Null Pointer Exception at <code>weblogic.rmi.cluster.ReplicaAwareRemoteRef.getCurrentReplica</code> that was causing the server's shutdown sequence to be aborted prematurely.
087870	When using high-availability multi-pools, Weblogic now correctly fails over upon hardware failure when the pools have been created with an <code>initialcapacity</code> equal to zero. The <code>ResourceException</code> that was being thrown was not the type that the multipool interpreted as reason to fail over--that was the problem.

Console

Change Request Number	Description
057307	There is no longer an <code>NullPointerException</code> thrown when an attempt to change user password in the RDBMS realm is made.
061975	Fixed a problem in <code>createColumnsSql</code> when auto key gen is used.
073536	It is now possible to choose optional two-way SSL in the console by checking the check box.
074998	Fixed a problem receiving authentication errors when using form-based authentication and multiple locales. Credentials in languages other than English could be successfully added to the <code>fileRealm.properties</code> file but could not be used to authenticate via the servlet form-based authentication. The credentials can now be used to authenticate via the servlet form-based authentication.
079130	It is now possible to browse the JNDI tree for EJBs that are Deployed on the Managed Server.
079805	Now Web Applications that are targeted to the source server show up as targeted to the cloned server.
082578	Added a WAP-Enabled flag on the server config->http tab.
083107	The console now supports Mozilla 1.0 browsers.
083330	It is now possible to target a Multipool to a cluster via the console.
083377	If you specify each cluster node with a DNS name at <code>WebLogicCluster</code> , <code>HttpClusterServlet</code> is now able to maintain the stickiness of HTTP requests with references to the static server list.
083578	Increased the text field size for max message size on the server protocols tab.
084114	When trying to monitor the web applications in the console via the <code>mydomain --> Servers --> myserver --> Deployments tab --> WebApplications tab --> monitor all active Web Applications</code> link, an exception was being thrown. This has been fixed.
086652	Now if you create a new domain within the console, the file realm tab will work in the left hand pane of the console.

EJB

Change Request Number	Description
069899	Many to Many CMR no longer throws an SQL exception if both tables have the same column as the foreign key.
076112	When a stateless session bean is deployed with the <code><max-beans-in-free-pool></code> parameter in the <code>weblogic-ejb-jar.xml</code> file, this value is not respected when concurrent calls are made to stateless session bean. WebLogic Server was creating further new instances of stateless session beans than the value specified in the parameter. This has been fixed.
076597	The <code>ejbRemove()</code> method was never being called when undeploying a stateless EJB with <code><max-beans-in-free-pool></code> to 0. This has been fixed.
077049	If an application uses dynamic proxies as parameters in EJB methods, a remote client can now use the interface even when the parameter interfaces are put on the server classpath.
078456	The client and server output that is documented in some of the EJB examples was difficult to read because the text was not wrapping. Now, the text does not wrap and is easier to read.
079745	EJBC no longer fails to deploy when another XML file is included in the <code>weblogic-ejb-jar.xml</code> file.
080569	After running ECperf, the <code>EJBCacheRuntime</code> statistics appeared with the <code>CachedBeansCurrentCount</code> on one stateful session bean (CartSes) printing out an incorrect (and negative) number. This has been fixed.
081355	EJBC no longer throws a <code>NullPointerException</code> when traversing relationships in an EJB 2.0 JAR file.
081807	EJB Deployer hard wired the <code>replicateBindings</code> to 'true' on context object before binding home to the JNDI tree so that even if the user set the <code>home-is-clusterable</code> to 'false' in the <code>weblogic-ejb-jar.xml</code> file, announcements to the rest of the nodes in the cluster are still being attempted a <code>NameAlreadyBoundException</code> is being thrown. This has been fixed.
081817	Provided an option to set <code>dispatchPolicy</code> at bean level in the <code>weblogic-ejb-jar.xml</code> file.

081991	A Message Driven Bean no longer fails to reconnect to MQSeries after “inhibited” and then “allowed” is selected for getting messages from the queue.
082029	Fixed a problem using EJB’s and connecting to a database with an XA driver when using an openString property for the connection pool.
082451	There is no longer a ClassNotFoundException thrown for third party JAR files for a Message Driven Bean that has a JMS provider that is not WebLogic Server.
083050	When calling context.getCallerPrincipal() from ejbRemove(), an exception is no longer thrown.
083098	The number of connections to MQSeries increases when the Queue is closed.
083689	CMP Entity beans with automatic key generation using SQLServer no longer results in a javax.ejb.NoSuchEntityException.
083896	When setting the max-beans-in-cache to 10 and then running the client to access the bean with the same primary key 200 times get 200 beans in the cache, if concurrency-strategy was set to exclusive, the database cache was ignored. This has been fixed.
083896	Fixed problems where the property max-beans-in-cache was being ignored.
084224	The invalidate() method was not being called by the container when a Read-mostly pattern was being used.
084978	You can now add and change EJBC parameters from the Administration Console. This allows you, for example, to change the amount of memory allocated to stub compilation.
085320	Fixed a problem with stateless session beans and the server; the 'idle beans count' displayed in the Administration Console was incorrectly continually increasing.
085659	Fixed some problems and delays with EJB failover when a machine is disconnected from the network.

Examples

Change Request Number	Description
079543	The example server did not start when BEAHOME had a space in the name. This has been fixed.
084236	The example <code>samples.examples.iiop.wls2wls.package-summary.html</code> now contains incorrect URL information.
084903	The WTC <code>simpappcns</code> example has been fixed to work over the network and not just on a single machine.

JDBC and jDriver

Change Request Number	Description
077974	Added OS authentication for Solaris because the OCI bug is fixed in Oracle 8.1.7 OCI.
080487	The JTS driver no longer leaks a pool connection if the DBMS rollback fails.
082438	Whereas statically defined pools absorb a property to define the prepared statement cache size, a pool created dynamically, via the console, <code>weblogic.Admin</code> , or an API was unable to do so. This has been fixed.
082484	The JDriver for Oracle no longer raises an <code>ArrayIndexOutOfBoundsException</code> if more than 511 parameters in a <code>PreparedStatement</code> are set.
086557	We have included the windows, HP, and Solaris jDrivers for Oracle 9.2 and updated the 8.1.7 and 9.0.1 drivers as well.
087005	A thin driver for Oracle 9.0.1 and 9.2 has been added/
087803	Fixed problems creating a JDBC store configured for a JMSServer using Oracle 9.0.1; the updated thin driver for 9.0.1 has been provided and solves this issue.
088156	Fixed a potential JDBC deadlock condition caused by the EJB persistence manager.

JMS

Change Request Number	Description
063743	Fixed a problem that was resulting in Message Driven Beans not acknowledging object messages
079547	Fixed a deadlock that created problems while creating Durable Subscribers to JMS servers deployed in a clustered environment.
080668	In a clustered enviroment that sets listeners for the JMS Server, a <code>NoSuchObjectException</code> was being thrown if one of the nodes of the server was started after some time, rather than immediately. This has been fixed.
082298	The number of durable JMS subscribers was incorrect. An extra increment was occurring each time a consumer attached to a durable subscription. The number is now incremented when the subscribers are created and decremented when they are deleted.
082438	Prior to Service Pack 4, for JDBC connection pools that were created dynamically, the <code>STATEMENT_CACHE_SIZE</code> parameter was not implemented. This is corrected in Service Pack 4, so that dynamic connection pools can use the Statement Cache to cache and reuse prepared and callable statements.
083290	Fixed problems with JMS recovery in mangaged servers when the primary server goes down and then is restarted.
083503	Fixed a problem with JMS and Message-Driven-Bean recovery when starting and stopping managed servers.
084175	Messages were being lost when sent through <code>MessagingBridge</code> and interrupted by a server re-start. If while messages were being processed by the <code>MessagingBridge</code> (messages being processed from MQ Queue to WebLogic JMS Queue), and the WebLogic server was stopped and then re-started, then in some cases, some messages were lost. The number of messages lost corresponded to the <code>BatchSize</code> of the <code>MessagingBridge</code> . This problem has been fixed.
084182	The <code>setExceptionHandler</code> method no longer throws a <code>NullPointerException</code> when <code>exceptionListener</code> is set to null.
086487	see 83503

Miscellaneous

Change Request Number	Description
049340	The <code>DeploymentOrder</code> on the <code>ComponentMBeans</code> can now be initially set based on the ordering in the <code>application.xml</code> file making re-deployment consistent with initial deployment.
053054	Fixed a problem where the server was not copying the transaction context. There were <code>rjvm</code> errors when a client that spawned a new JVM after binding an implementation class into the JNDI tree; the new JVM was not able to make RMI calls on the method.
053957, 071626, 075394, 076265, 078527, 079652, 079655, 082693, 082830	<p>This Service Pack improves WebLogic's handling of RJVMs in multiple ways. Fixes include:</p> <p>WebLogic Server now ensures that a valid connection has been fully established between servers running on local and remote Java virtual machines before it attempts to send a message to an RJMV.</p> <p>Possible deadlocks resulting from establishing a valid connection between servers running on local and remote Java virtual machines have now been fixed.</p> <p>Previously, it was possible for RJVMs to get into an infinite-wait state while waiting for the connection to be established because the notification of a successful connection was issued before the RJVMs went into a wait state. The fix makes it possible for a success notification to be detected, even if it happens before a wait.</p> <p>Multiple threads trying to establish a connection to an RJVM at the same time now rely on the success or failure of the first thread that actually manages to establish the connection.</p> <p>Previously, each thread would always attempt to establish a connection in turn, rather than using the connection established by the first thread that succeeded.</p> <p>Peer WebLogic Servers running on different computers now correctly detect when a peer server with which it has previously established a connection has gone, and correctly cleans up the broken connection.</p> <p>The Remote Method Invocation (RMI) layer now receives proper exceptions to failover when an attempt to get an <code>OutputStream</code> fails.</p> <p>Previously, when two peer servers where trying to establish a connection but failed to, an exception was not thrown to the RMI layer, causing improper failovers or delays to a proper failover.</p> <p>Possible deadlocks have been fixed between 2-way calls from <code>T3JVMConnection</code> to <code>ConnectionManager</code> to RJVM.</p>

056403, 063910, 076409, 076903, 078288, 078918, 079599, 080292, 080744, 081010, 081116, 081856, 082700, 083623, 086362.	<p>We fixed multiple muxer problems and added improvements including:</p> <p>Collections in all muxers (Java and native-code) that map to sockets now have unique keys. This has solved a variety of problems, including data corruption, bad pointer references, WebLogic Server hangings and crashes.</p> <p>Data structures and state machines in muxers now have proper synchronization. This fixed certain classic deadlocks caused by conflicting order of locking.</p> <p>The call stacks between the muxer and the protocol layers above the muxer are now 2-way, which means a close of a socket or connection can be initiated from any point in the stack. Safeguards have been added to prevent deadlocks.</p> <p>State machine transitions in the muxer have been fixed, resulting in sockets no longer remaining in a CLOSE_WAIT state.</p>
064301	<p>If the application server is killed abruptly, there is a high probability of creating a distributed in-doubt transaction. In WebLogic Server 6.1 service pack 1, the distributed in-doubt transaction still continued to exist and needed to be resolved by manual DBA intervention. In WebLogic Server 6.1 service pack 4, the transaction log file is re-scanned and a recovery process is initiated after re-starting the application server.</p>
071510	<p>It was not possible to start the server using JMX through the <code>NodeManagerMBean</code>. In WebLogic Server 6.1 service pack 4, new methods were added in the <code>ServerMBean</code> to start and kill <code>ManagedServers</code> via the JMX client.</p>
072188	<p>The admin server was not closing the network connection that it established with <code>NodeManager</code> after completing the task. This has been fixed.</p>
073023	<p>Node manager no longer randomly throws the <code>OutputHandler</code> error when trying to start a remote server.</p>
074844	<p>Fixed a problem that was causing an assertion error when using dynamic proxies.</p>
075406, 076002	<p>Fixed problems occurring under heavy load where <code>NullPointerException</code> and <code>ClassCast</code> exceptions were occurring; also made some improvements to the NT muxer.</p>
076605	<p>Fixed a problem that was causing the message: <code><ExecuteThread: '12' for queue: 'default'> <> <000000> <No IORRecord present for fd></code> to appear.</p>
076705	<p>Message Driven Bean deployment no longer fails and results in a <code>NoAccessRuntimeException</code> for guest if the destination is remote.</p>
076997	<p>Now, when deploying an EAR component to a cluster through MBeans, the JNDI bindings appear in all managed servers without the need to re-start the servers.</p>
077248	<p>Fixed problems connecting to EJB's over IIOP when native IO is turned off.</p>

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077831	When the AppletArchiver utility was used to generate a client JAR file and if the applet in question used the <code>javax.swing.JApplet</code> class in its code, then the AppletViewer was producing an error. This has been fixed.
077919	Using patch CR064447_61sp2.jar was causing an error in the log file after calling <code>ObjectOutputStream.writeObject()</code> on <code>EJBHandle</code> . The output of the <code>EJBObject</code> in the log was changing from <code>LocalServerRef</code> to <code>LeasedRemoteRef</code> . This has been fixed.
078431	Fixed a problem that was causing a deadlock between <code>MuxableSocketHTTP</code> and <code>PosixSocketMuxer</code> .
078952	An <code>org.omg.CORBA.MARSHAL</code> exception is no longer thrown while a null value in a serializable object from an EJB's remote method is being returned.
079220	When running JMS, the client was getting the exception: Could not find RJVM for \$Proxy68.. (<code>IllegalArgumentException</code>) in a cluster environment. The client was contacting one of the managed servers to drive. This has been fixed
079672	A VM crash is possible when <code>WarClassFinder.getSource</code> is invoked. Sun's fix for this problem are in JDK's 1.4.1_02 and 1.3.1_07. The Sun bug is: http://developer.java.sun.com/developer/bugParade/bugs/4369396.html .
080177	Using <code>weblogic.deploy</code> no longer causes memory leaks if you continually deploy and delete the same EJBs.
080740	If a web application that creates a file that got deleted when the server was shutdown, when running as a Windows Service, this file got deleted as expected when the server was shutdown from the command line (using the <code>java weblogic.Admin SHUTDOWN</code> command) or from the administration console. However, this file did not get deleted when the server was shut down by going to: Start Menu --> Settings --> Control Panel --> Services --> Press Stop button for the service. This capability is now implemented.
080895	When a stand-alone java client was calling a stateless session EJB, after about 500000 iterations, the following exception was being thrown on the client side: Exception in thread "main" <code>java.lang.ClassCastException</code> : Assigning instance of class <code>java.io.ObjectStreamClass</code> to field <code>weblogic.rmi.internal.ClientMethodDescriptor#signature</code> at <code>java.io.ObjectInputStream.inputClassFields(ObjectInputStream</code> <code>.java:2271)</code> This has been fixed.

080929	Now, if using wildcards, <code>weblogic.refresh</code> can refresh files.
081311	A <code>SAXParseException</code> on the DTD now has a severity of <code><Warn></code> instead of <code><Info></code> .
081404	The JMS Bridge Resource Connectors (<code>jms-xa-adp.rar</code> , <code>jms-notran-adp.rar</code> , <code>jms-notan-adp51.jar</code>) for Messaging Bridge are packaged with WebLogic Server 6.1 Service Pack 4.
081568	SNMP Agent can now monitor the <code>ServletRuntime</code> of Servlets.
081732	Using WebLogic Server 6.1 service pack 3, an exception was being thrown when using the Sybase database while trying to start the server. This has been fixed.
081765	There were problems with SSL closing sockets prematurely and causing muxer errors.
081853	Fixed some complicated problems with RMI-IIOP and the marshalling of complex objects, notably in environments using a mixture of JDKs.
081868	In WebLogic Server 6.1 service pack 2, when the admin server was shutdown using <code>java weblogic.Admin SHUTDOWN</code> , the SNMP agent was not generating the <code>serverShutDown</code> trap. It was able to generate <code>serverStart</code> trap when the server started up. Now, when the admin server is shutdown, the SNMP Agent will issue a self shutdown trap.
082004	The <code>CR073910_61sp2.jar</code> patch on WebLogic Server 6.1 service pack 2 was resulting in a memory leak. when getting a new <code>InitialContext()</code> .
082263	The <code>weblogic.deploy</code> tool is now able to update the web app (WAR file) from Win2k to a server running on Solaris.
082533	Debug messages were being written to <code>std.out</code> when using the Xerces Parser. These messages have been removed.
082693	In WebLogic Server 6.1 service pack 1 and 2, if the server received a call from the old generation stubs, the server correctly sent <code>peerGone</code> to the client and logged an error. In WebLogic Server 6.1 service pack 3, the server printed a <code>NullPointerException</code> and the client waited until timeout. Now we have restored the earlier, correct, behavior.
083102	When deploying a couple of EJBs (that conform to the EJB 2.0 specification) with <code>J2EE12OnlyModeEnabled="true"</code> , the server was throwing a couple of warning messages for a few beans and then crashing with a <code>DistributedManagementException</code> . This has been fixed.
083485	When invoking a t3 client, the client no longer hangs in <code>JavaSocketMuxer</code> with t3 as the default protocol.

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083652	In WebLogic Server 6.1 service pack 3, applications were undeployed at startup and then redeployed twice. This has been fixed.
083654	Improved the performance of WebLogic Server 6.1 service pack 3, when continuous requests are issued from the Microsoft WAS tool.
083721	The <code>FailureIsFatal</code> option of the startup class no longer suppresses the runtime exception on a Solaris Environment.
083920	Supressed any startup traps when the admin server is re-started and it discovers that managed servers are up to avoid redundant traps being sent when the admin server is re-started.
084127	In production mode, even with auto-deployment turned off, WebLogic Server was still validating some application files that were not configured in the <code>config.xml</code> file. This has been fixed.
084622	Using ZAC no longer results in an assertion error when <code>getInitialContext()</code> is called.
085463	JNDI lookup failover now no longer takes such a long time when the network plug is pulled.
085914	SNMP request was timing out after a managed server was dropped. The SNMP agent no longer becomes unresponsive for a while on <code>getNext</code> requests when a managed server is down.
085979	Fixed a problem with <code>MBeanHome.getAllMBeans()</code> unnecessarily throwing an exception when a custom Mbean is defined.
086108	We improved performance; the <code>ListenThread</code> now consumes less memory than in Service Pack three.
086248	The component type for boxed RMI sequences was being forwardly declared twice-once correctly and once as an interace; the wrong type for sequences of <code>valuetypes</code> .
086350	Fixed a problem where if an exception's classname ended in a capital 'T' the IDL generated from it is mangeld and corrupt.
086362	Fixed a possible problem with the server hanging under heavy load when all the sockets were stuck in a <code>CLOSE_WAIT</code> state.
086761	The <code>Weblogic.admin</code> tool now correctly creates an execute queue so that it will be functional on server start-up.

087265	Fixed several incompatible serialVersionUID's so as to keep interoperability between WebLogic versions.
088372	Now, under load, we have fixed the problem that was generating multiple exceptions like: <code>ArrayIndexOutOfBoundsException</code> in <code>weblogic.security.acl.TTLCache.cleanup</code> .
089044	Loading the Administration Console no longer causes a browser/OS compatibility check.

Plug-ins

Change Request Number	Description
074128	Fixed a problem that was resulting in IIS getting a 10053 socket error.
076936	When specifying a multiple-level path at PathTrim under the ISAPI environment using WlForwardPath together such as: WlForwardPath=/ PathTrim=/path/to/weblogic ISAPI plug-in was not able to trim the specified path. This has been fixed.
078713	Added a new parameter set FilterPriorityLevel in the iisforward.ini file. The value for this parameter is 0, 1, and 2, which means low, medium and high for the filter priority. The default value is 2. If it is not possible to use a virtual host to set this property, use the iisforward.ini file.
079186	In accordance with the HTTP 1.1 specification, all plug-ins will now parse folded headers properly.
079683	Chunked Transfer Encoding HEX numbers were displayed to the browser when using mod_wl_ssl.so. This only happened when using jsp:include on Weblogic. The mod_wl.so worked correctly, but there was a long delay before the browser rendered the page completely. This has been fixed.
079973	In WebLogic Server 6.1 service pack 4, if Idempotent is off, failover is prevented and if ConnectTimeoutSecs=0, core dump is prevented. Retries are no longer attempted after ConnecyTimeoutSecs is set to 0 in the iPlanet config. The retries were attempted either with the default setting, which is 10, or with 0. Furthermore, when Idempotent was set to ON, the retries occurred five times, instead of two when it was set to OFF.
080219	There is no longer an iPlanet core dump when shutting down all WebLogic Server instances.
080382	An unexpected error message is no longer logged in the WebLogic Server error log when using the NSAPI plug-in.
080746	A 64-bit platform on native webserver plug-in is now supported.
081185	The CPU load no longer increases when cancelling the uploading of files.
081493	Fixed a problem that was resulting in HP-UX-11 iPlanet crashing.

082093	When WebLogic Server is being hit via an iPlanet proxy with an NSAPI plug-in and a QALoad is used to generate a number of concurrent client connections, extra calls are no longer being made by the proxy plug-in to the app server under a heavy load.
082096 & 083386	With <code>Idempotent=OFF</code> , the IIS proxy plug-in no longer still attempts one re-try (two requests = one original + one re-try) for all POST requests after <code>HungServerRecoverSecs</code> .
082113	If the plug-in receives an error while reading data from the client, it no longer tries to send the incomplete data (request) to the back-end WebLogic Server.
082206	You can now exclude certain pages from being forwarded to WebLogic and have them be served by an IPlanet front-end. Add <code>WLExcludePathOrMimeType</code> to your <code>obj.conf</code> to exclude certain requests that match with the expressions you define (i.e: <code>WLExcludePathOrMimeType="/test,/*.html"</code>)
083174	Using the latest IIS plugin, failover was not working when new values were being added to the session.
083643	Fixed a performance problem in NSAPI. The <code>netbuf_getc</code> function was very slow and not able to distinguish between <code>\0</code> and <code>0</code> in the postdata.
083558	Certified the newest Apache-Apache 2.0.42.

Servlets, JSPs, and Web Applications

Change Request Number	Description
042655	When using the access.log in the extended log format, the times at which the http requests are made are no longer given as the local time, instead of the GMT time.
053974	Besides being able to configure the name of the access.log, users can now select the convention for the rotated log for manageability.
058389	When <code>getInputStream()</code> is called against <code>javax.servlet.http.HttpServletRequestWrapper</code> , it no longer returns null.
063630	If a Web Application failed to deploy, then no other applications were getting deployed to a cluster. This problem has been fixed.
065967	Taglibs no longer fail when <code><type></code> is specified and the type is an array. Weblogic Server no longer sees it as a string when it is actually an array.
068577	In the generated code, the method <code>_releaseTags()</code> was not being called upon a <code><jsp:forward></code> although according to the JSP specification 1.2, all tag handlers need to be released upon <code>DO_END_TAG</code> . This has been fixed.
069731	When using JSPs in a webapp, the .java files that get created from the JSPs live under <code>_tmp_war</code> (under the webapp root). If it does not exist already, the <code>_tmp_war</code> directory is created at the time of WebApp deployment (during the initialization period after you start the server). If the server is run as root, the <code>_tmp_war</code> directory gets created by, and is owned by, root. At the end of initialization, <code>nonPrivUser</code> was being used to switch to a nonprivileged user and the <code>_tmp_war</code> directory was inaccessible by the JSP servlet and WebLogic. This has been fixed.
071513	WebLogic Server is now validating the <code>weblogic.xml</code> file in the webapp.
073780	Improved the performance of JSP tags when using WebLogic Server 6.1 service pack 2 and the following three patches: <code>CR065452A_610sp2.jar</code> , <code>CR063457A_610sp2.jar</code> , and <code>CR063829_610sp2.jar</code>
073791	Fixed problems were customers were getting a <code>NullPointerException</code> in the <code>ChunkUtils.getEnd</code> method after calling <code>ServletOutputStreamImpl.write</code> from their servlet code.

074265	The <code>ServerMBean</code> has a new attribute called <code>MaxBackoffBetweenFailures</code> . The default is 10 seconds. Set this to change the time period in which the server listen thread will send a "Failed to listen on port" if it is still trying to accept the socket connection.
074940	A <code>NullPointerException</code> is no longer thrown when using the <code>size</code> Cache Tag Attribute of the Cache Tag of the <code>weblogic-tags.jar</code> .
075471	JRun tag libraries are working on WebLogic Server service pack 4.
075721	The <code>jsp:useBean</code> tag with the <code>beanName</code> of <code>TimeExpression</code> is no longer interpreted incorrectly.
076375	<p><code>weblogic.log</code> will now be renamed based on the configuration of the log filename. Usage of % symbols in the logfile name will invoke the logic which renames log files based on the date/time when it gets rotated. The file being currently logged into will be the log filename stripped off its % symbols if they exist.</p> <p>Examples of valid formats: <code>weblogic_YYYYMMdd_%HH%_mm%.log</code> <code>foobar_YYYY%-MM%-dd_%HH%_mm%.log</code></p> <p>Invalid formats will fallback into our default log filenames. Anything that's enclosed within two %'s will be decoded based on <code>SimpleDateFormat</code>. As of now this format will apply to the filename only. Not to the directories.</p>
077018	Prevented a <code>ClassCastException</code> in <code>ServletAuthentication</code> when using request/response wrappers.
077306	Temporary patches no longer cause recompilation of included (precompiled) JSP classes.
077422	The <code>CookieParser.cookieToString</code> creates the <code>expires</code> cookie with a <code>SimpleDateFormat</code> that contains a comma, ','. The comma in the expires date is causing the cookie to be parsed incorrectly when it is returned in the request. The comma is interpreted as a cookie separator and breaks the parse of the expires date. This has been fixed.
077888	<code>setCharacterEncoding</code> will now throw <code>UnsupportedEncodingException</code> .
078090	According to the JSP specification, if you use <code>jsp_precompile</code> in the request parameter, the container should compile the JSP (if not compiled), but must not display the JSP. Since WebLogic Server parses the query string and finds the <code>jsp_precompile</code> , it was not displaying the page on the browser.
078262	Added <code>getResourcePaths(String)</code> to the <code>ServletContext</code> .

2 *Resolved Problems*

078325	Fixed a problem that was resulting in an <code>UnsupportedEncodingException</code> if there were extra quotes around the charset value.
078698	The <code>access.log</code> file is now rotating by size when the log size exceeds 2MB.
079582	WebLogic Server 6.1 service pack 3 threw a <code>SocketException</code> during data sync. This has been fixed.
079767	When redeploying EAR, WAR, or JAR files to WebLogic Server, with every redeployment of an application or component, the <code>.wlnotdelete</code> directory of the managed server no longer increases in size.
079892	The CPU usage no longer pegs to 100% while executing a CGI script and hitting the stop button in the middle.
080090	When re-directing, the location header will always use the following parameters, if they are specified: <code>FrontendHTTPPort</code> <code>FrontEndHTTPSPort</code> <code>FrontEndHost</code>
080384	The <code>HttpClusterServlet</code> was marking a server as bad, even if just one response had been scrambled in the status code header. This has been fixed.
080751	Custom exceptions extending servlet exceptions will now be redirected to error page if configured.
080791	Folded headers in the cluster/proxy servlets are now considered.
080837	Added a new element in the <code>weblogic.xml</code> file: <pre><!-- The wl-dispatch-policy can be used to assign the webapp to a configured execute queue by identifying the execute queue name. This webapp level param can be overridden at the individual servlet/jsp level. eg: <servlet> ... <init-param> <param-name>wl-dispatch-policy</param-name> <param-value>CriticalAppQueue</param-value> </init-param> </servlet> --> <!ELEMENT wl-dispatch-policy (#PCDATA)></pre>

081071	There is no longer a <code>NullPointerException</code> thrown at <code>weblogic.servlet.internal.ServletContextManager.trimAbsUrl</code> .
081484	Session attributes are no longer lost when using the <code>HttpSessionListener</code> with <code>PersistentStoreType</code> as replicated but able to retrieve the session attributes when non-replicated.
081521	It is now possible to call a CGI script from a JSP.
082156	Changed the implementation of <code>isRequestedSessionIdValid</code> so that it does not always return true.
082238	<code>CreateSessionServlet</code> was checking for the existence of the Cache-Control header, setting it to a valid value if it exists, or adding it to the header list if it does not exist. In both cases, it added another bogus header. This problem was fixed by setting <code>CacheSessionCookie</code> to true in <code>weblogic.xml</code> .
082310	JSPs with a <code>page contentType</code> directive can now be deleted or overwritten in an exploded WAR file.
082461	<code>FileServlet</code> was not working in WebLogic Server 6.1 service pack 3. It is working now.
082580	HTTP POST parameters were not preserved if a form-based authentication is invoked and authentication is successful when accessing a URL in WebLogic Server 6.1 service pack 3.
082671	Made <code>HttpSession.getServletContext()</code> public in the internal implementation.
083191	The console is no longer displaying incorrect values for Servlet Average Execution Time.
083200	WebLogic Server is now filtering correctly with <code>nonProxyHosts</code> .
083487	<code>CGIServlet</code> now works with exact match <code><url-pattern></code> .
083517	<code>HttpClusterServlet</code> was not proxying a request to SSL even when <code>SecureProxy</code> was ON. This has been fixed.
083597	In WebLogic Server 6.1 service pack 3, if the content type using the page directive is set as: <pre><%@ page contentType="text/html; charset=UTF-8" %></pre> the content type was not set properly and the desired output was not obtained. This has been fixed.

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083912	An ORA-01461 error no longer occurs while the server is trying to write the session data in the JDBC managed persistence when using the Oracle thin Driver.
084002	When WebLogic Server returned an HTTP code 204, it set the Content-length to 886 with an HTML error page. Therefore, the load runner client was failing and generating an error stating that "204 responses codes should not have a body but the Content-length was set to 886 (with an HTML error page)". This has been fixed.
084030	When an exploded web-app was shared by two servers, the generated tmp lib directory got deleted at the second server's start. The directory is no longer deleted.
084058	The <code>request.getUserPrincipal()</code> method was returning guest after <code>ServletAuthentication.logout()</code> . Now, the <code>getRemoteuser()</code> returns null.
084536	Fixed a problem where the patch for CR083377 was causing problems with security and the SSL connection.
084649	There are certain environment variables that a CGI server is expected to provide to scripts that run within it. <code>SERVER_URL</code> , <code>HTTP_COOKIE</code> , and <code>QUERY_STRING</code> , which are present in Netscape's CGI server, were unavailable when running the same CGI program inside of WebLogic's CGI servlet. When a request was made for one of these variables, NULL was returned instead of a value. This has been fixed.
084785	The <code>GenericProxyServlet</code> can now handle wrapped responses.
084847	For chunked transfer, WebLogic Server was including a hexadecimal number which other servlet engines used to ignore. This has been fixed.
085754	If newlines/comments were put in the intermediate JSP <code>BEATestCase2.jsp</code> , when used with a request dispatcher, the client got a blank page. There was no exception thrown on the server side. This has been fixed.
086026	The parameter, <code>CacheSessionCookie</code> , used to default to false. Now, it defaults to true.
086052	HTTPS connections outbound from WebLogic Server did not work without a trailing slash '/' on the URL. This has been fixed.
086280	There is no longer a <code>NullPointerException</code> thrown when accessing a servlet over a Keep alive connection.
086481	Fixed some problems when a web application downloads a larger file and the buffer overflows while reading the multi-part form data.

088301	<p>Fixed problem where an included resource was not sent to the servlet output stream when dispatched from another resource that was Forward dispatched inside a JSP BodyTag.</p> <p>NOTE: The nested BodyTag tag output stream was not being flushed since the forward dispatched request caused the tag to exit - but WebLogic still presumed the output should go to the Tag's nested output stream. This was resolved by clearing out reference to the BodyTag nested output stream when the Forward request was dispatched.</p>
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Security

Change Request Number	Description
058355	When a user called <code>login()</code> on the <code>LoginContext</code> , this call was directly mapped to the <code>LoginModule</code> 's <code>login()</code> , but the <code>logout()</code> method was not implemented. Therefore, a call to this method could not be mapped to the <code>LoginModule</code> 's <code>logout()</code> . In WebLogic Server 6.1 service pack 4, <code>LoginModule.logout()</code> is implemented.
068729	The <code>weblogic.security.SSL.SSLCertificate</code> class is now documented.
075109	<code>LDAPRealV2</code> now caches memberships.
075451	When trying to obtain an <code>InitialContext</code> to a remote WebLogic Server from within a WebLogic Server, after making an SSL connection with <code>weblogic.net.http.HttpURLConnection</code> , an exception is no longer thrown.
076783	Using the RDBMS realm, extra calls were being made. The caching realm is now fixed to avoid having these extra calls made.
077233	The absolute path of SSL certificates is now given.
077425	When a custom realm was used with a caching realm and the case insensitive cache was set to a default of true, the caching realm was throwing an error message, "Server cannot check in a case-insensitive way". This has been fixed.
078893	If <code>weblogic.management.password</code> is not blank, the custom login module never got called. For <code>j_security_check</code> to use the JAAS loginmodule, it is necessary to use programatic authentication (<code>servletauthentication.weak()</code>) in combination with JAAS loginmodule.
079183	After calling <code>weblogic.security.acl.ManageableRealm.setName</code> , <code>weblogic.security.acl.ManageableRealm.getAcl</code> no longer returns null.
079364	<code>deleteAcl</code> was only working with the <code>getACLOwner</code> principal. This has been fixed.
079637	Added the <code>pkpassfiile</code> property to specify the name of the file containing the private key password.
082003, 087419	Using an LDAP realm configured for Microsoft Active Directory Server, basic authentication was failing while form-based authentication worked fine. This has been fixed.
082098	Credentials are now used / verified against the remote server realm.

083478	Even though the email is not required in the certificate form, EMAIL= was appearing in the certificate. This has been fixed.
084166	Fixed the caching of delegate groups so that with a nested group there is improved server performance.
087485	With WebLogic Server 6.1 Service Pack 3, LDAP was calling Group.isMember() for every member of group. In this Service Pack we restored the original behaviour of an LDAP realm: now if the groupmembershipcache value is set to 0 then WebLogic checks the LDAP realm for group membership, thus preventing loading all members() if the group contains many members.

System Administration

Change Request Number	Description
059779	Data sources can now be bound to the same JNDI name on different servers.
062102	Applications are no longer copied to the managed servers upon startup if they do not need to be copied which results in increased disc space.
063630	It is now possible deploy remaining applications to the managed servers upon a failed deployment.
072833	When a managed server was configured from the admin console with the listenAddress field blank, WebLogic Server was allowing the multiple instances of this managed server with the same name to be run from different machines. This is no longer possible.
074370	When using WebLogic Server 6.1 service pack 2, a <code>javax.management.AttributeNotFoundException</code> was being thrown when using the EJB descriptor editor in the admin console. This has been fixed.
074653	The Admin console Deployment Descriptor Editor now replaces "&" with "&#" when writing to memory/disk because "&" is a special character which must be escaped as "&#" in XML files.
075949	Fixed a problem that was causing <code>weblogic.deploy</code> to undeploy the JAR file immediately after deployment.
076539	Web apps with <code>load-on-startup</code> are now loaded in the correct order according to <code>DeploymentOrder</code> .
078257	The admin server JNDI was not showing the managed servers' MBeanHome causing a <code>NameNotFoundException</code> to be thrown. This has been fixed.
079270	The application redeployment (delete & deploy) operation was not always successful when some of the targeted managed servers were down. For example, the JNDI entries for EJB were not registered in running servers, or "Targets" attributes in the <code>config.xml</code> file were lost because of a warning message. This has been fixed.
079455	A <code>ConfigurationError</code> is no longer thrown upon deployment failures.
079819	The time it takes managed servers to start up with a large number of deployed applications has been shortened.

080016	There is no longer an error deploying an application while starting the admin server if the application targeted to the virtual host (which has been targeted to managed server) and the admin server.
080324	Exposed the <code>setParent</code> method to a public API.
080690	If the admin server was bounced and re-started, it re-established a connection to the managed server, but the JNDI tree did not show the managed servers. As a result, the application was getting a <code>NameNotFoundException</code> s. It would only show up in the admin JNDI tree once the managed servers were re-started. This has been fixed.
080778	Turning on session monitoring no longer causes traffic to the admin server every time a new session is created.
081736	After <code>weblogic.Admin -help</code> prompts for a guest password, it no longer ignores the password.
082765	When calling shutdown to shutdown a managed server, <code>removeManagedHome</code> is also called to remove the managed server from the cache. Otherwise, needless RMI calls would be made when any other managed server boots causing startup delays.
082910	It is now possible to remove a JDBC Connection Pool using MBeans when a customer MBean is registered from within an EAR file.
083400	There is no longer a <code>StackOverflow</code> during managed server startup using T3s as the default protocol.
084484	When starting a server from a directory other than the domain directory, the option <code>-Dweblogic.RootDirectory=<root_directory></code> can be specified. If the start script is changed to go to the root directory, it would find the application, but the <code>config.xml</code> path got modified to be an absolute path with the <code>RootDirectory</code> appended. The <code>config.xml</code> path no longer gets changed to an absolute path.
084740	When deploying an application on a cluster using <code>weblogic.deploy</code> , the deployment was not effective until the server was restarted.
086235	When trying to get the server version out of the <code>ServerRuntimeMBean.getVersion</code> method, only the version info for the patch that was the first in the classpath was returned. In WebLogic Server 6.1 service pack 4, the whole version information is returned by the <code>weblogic.Admin</code> command.

Web Services

Change Request Number	Description
076510	When there was a webservice that had a method that received a String as a parameter that is actually an XML document with CDATA sections, after invoking the method, the following response was sent: <code>weblogic.soap.S SoapFault: Connector - Bad request to the server.</code> This has been fixed.
082661	Now, wsgen handles an extra classpath.
084960	Fixed a problem using the URLConnection method to make an HTTP connection to a Web Service. Weblogic overrides java.net.HttpURLConnection with its own version which will throw an exception from the getInputStream method if a status code is greater than 400. When the exception is thrown there is no way for the WebService client to retrieve the inputstream, and thus the HTTP SOAP Binding is broken. If you have this problem, set the new command line option -Dweblogic.net.http.ignore500status to true.
085214	Fixed a problem that occurred with webservices when he passing dates as parameters. A <code>java.lang.IllegalArgumentException</code> is no longer being thrown.

XML

Change Request Number	Description
080756	When converting Japanese characters by using the built-in XSLT processor, the characters got changed into the unexpected code. This has been fixed.
080961	Fixed a Xerces 1.3.1 bug in <code>org.xml.sax.helpers.AttributesImpl.removeAttribute()</code> .
081372	<code>DocumentBuilder.parse()</code> is no longer multi-thread unsafe when input encoding is 'Unicode'.

081870

When the XSLT output method was set to HTML (required):

`<xsl:output method="html"/>`

the spaces in HREF attributes in anchor tags were encoded to "%20". Netscape failed to interpret the "%20" as a space, breaking the link. This has been fixed.

WebLogic Server 6.1 Service Pack 3 Solutions

The following sections describe problems that were resolved for the release of WebLogic Server 6.1 Service Pack 3.

Classloader

Change Request Number	Description
063742	There was a <code>java.lang.VerifyError</code> thrown during skeleton generation for the Remote interface of Entity bean. This has been fixed.
064273	In the Classloader, <code>weblogic.utils.classloaders.GenericClassLoader</code> , the <code>definePackage()</code> method now sets the package information according to the manifest.
069506	<code>ClassLoader.getResources</code> is now working when trying to access an XML file which is in the Class-Path: entry of the EJB's manifest file.
075553	Fixed a memory leak that was occurring because the core classloader was being stored unnecessarily.

Cluster

Change Request Number	Description
072281	<code>HttpClusterServlet</code> now works properly when <code>WAPEnabled=true</code> .
072464	A <code>NullPointerException</code> no longer occurs during failover using SFSB handles created within the server.
073917	<code>NoSuchObjectException</code> was being thrown on failover from SFSB's handles in a cluster. This has been fixed.
073920	The Execute Queue length doesn't appear in the console and this functionality is not implemented with WebLogic Server 6.1.
074058	When using the IP name instead of the DNS name for the <code>WebLogicCluster</code> parameter, the secondary was marked NONE if the primary went down. This has been fixed.

074236	Added the attribute, <code>MemberWarmupTimeoutSeconds</code> , to <code>ClusterMBean</code> . The default value is 0 which results in no cluster warm-up. By default, the cluster start-up sequence remains unchanged. If a value > 0 is set, the cluster members wait for that period of time to synchronize with other members during start-up. All <code>MessageDriven</code> Beans are deployed after the warm-up time. Only then do we start accepting client requests. There is no separate property for delayed <code>MessageDriven</code> Bean deployment.
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Console

Change Request Number	Description
051136	Broken monitoring link removed from the console.
055821	Forced the Public ID to be non-null for editing.
056161	Using the console EJB runtime monitoring customization, it is now possible to view the machine on which the EJB is deployed.
058271	Using the console to modify the deployment descriptor no longer changes the bean's manifest file.
059784	<code>wls_management_internal{1,2}</code> is no longer selectable as a <code>DefaultWebApp</code> .
059963	Added Max Open Sock Count to server->config screen in the console.
060116	The admin console no longer displays the Automatic Deployment checkbox when you startup WebLogic Server in production mode.
061664	The server shutdown message is now correctly displayed using a Netscape browser.
061686	Fixed broken deployment descriptor help links.
061838	It is now possible to start the managed server without restarting the admin server.
062020	The console XML editor is now aware of <code><validate-db-schema-with></code> .
062788	Fixed the Netscape default value for the refresh button so that a page in the security console was not re-appearing every time you clicked the OK button.
062991	Added information to the console help files to explain how to set up the five fields for using Node Manager to remotely start the managed server.
063543	The <code>ConsoleMainAttribute</code> for servlet monitoring in the console is now enabled.
064849	Modified the <code>weblogic.xml</code> descriptor editor to handle the <code>PersistentStoreTable</code> parameter.
067101 & 073625	Remote context viewing the local JNDI tree via the console is now possible.
067362	The console no longer references the wrong login timeout attribute.
070018	Start Default Console no longer fails when default browser is Netscape 6.2.

072909	The correct JMS pool name is now displayed in the runtime table.
073536	The console now has a check box that allows for optional mutual authentication.
074693	The link used to save realm implementation changes is now more explicit.
075338	The console now displays the correct information during monitoring of a Web Application.

EJB

Change Request Number	Description
047305	Fixed an error in the TxCommits value in Console.
054789	The message-driven bean no longer throws a NoSuchElementException and the message listener is no longer being removed from the list before the listener was finished processing it.
056081	Deployment of EAR stops short of setting component target.
057608	Now able to save more than 4K of data with CMP beans.
059045	run-as works in ejbCreate().
059250	A NullPointerException no longer occurs in ejbc when the persistence element is missing in WLDD.
060720	<p>In 6.1 service pack 2, if you are using Blob/Clob, you have to set <isolation-level> to TRANSACTION_READ_COMMITTED_FOR_UPDATE. Otherwise, you will get the following exception:</p> <pre>java.io.IOException: ORA-22920: row containing the LOB value is not locked</pre> <p>If this happens, when using Blob/Clob, the container will lock all the tables within the transaction. In 6.1 service pack 3, you don't need to set <isolation-level> to TRANSACTION_READ_COMMITTED_FOR_UPDATE anymore. The container will only lock the table that contains the Blob/Clob, and the other table within the transaction will not be locked. This make Blob/Clob much easier to use.</p>
060738	Multiple phantom message-driven bean connections are no longer created without new corresponding sessions being added to the list after a JMS client reconnects to a restarted JMS server.
060867	EJB2.0 deployer no longer throws AssertionError when RemoteMethod name starts with 'find'.
061700	Some identifiers in generated SQL Query were missing quoted identifier escape which may have caused the generated EJB CMP SQL to fail to escape the Quoted Identifiers. This has been fixed.

062256	The <code>-c</code> flag in <code>DDConverter</code> now converts the input JAR files into <code>ejb20</code> and combines the JAR files. <code>DDConverter</code> would not work with the destination JAR file specified as follows: <code>java weblogic.ejb20.utils.DDConverter *****-c new.jar***** -d . convert.jar</code> .
062481	Added an attribute in <code>weblogic-ejb-jar.xml</code> to indicate if EJB is collocated with web tier.
062518	<code>DDConverter</code> no longer throws an exception when it encounters a <code>findAll</code> finder query.
062626	An empty <code>ejb-ql</code> tag is now allowed.
062676	Load-balancing of Stateless EJBs in a cluster no longer fails for random load algorithm.
062916	In 6.1 service pack 2, a caller's transaction was not being resumed after a transaction started on the server completed. When this happened, the caller's transaction would never complete. This problem would only occur when a remove method that had a transaction attribute that would cause the client's transaction to be suspended was called on an <code>EntityBean</code> in a transaction and a new transaction was started on the server to service the call. Transaction attributes that cause this behavior are <code>NotSupported</code> and <code>RequiresNew</code> . In 6.1 service pack 3, a caller's transaction is being resumed after a transaction started on the server completes.
062974	When a single-digit finder was defined on a 1.1 <code>CMP</code> bean, it did not throw a <code>FinderException</code> when more than one result was returned from the query. This has been fixed.
063077	The transaction time out attribute in <code>weblogic-ejb-jar.xml</code> now works.
063146	When a <code>BMP</code> EJB's concurrency strategy was set to <code>Exclusive</code> and the transaction attribute was set to <code>NonSupported</code> , a different instance was assigned when the transaction timeout threshold was met. This has been fixed. In addition, a remote exception is no longer being thrown when the local transaction is rolled back.
063387	WebLogic Server no longer fails to clear a lock on an entity bean after a deadlock situation. The waiters in the <code>LockManager</code> are now being cleared.
063469	A <code>NullPointerException</code> is no longer thrown while creating <code>CMP</code> EJB relations.
064293	<code>ExclusiveLockManager</code> is now removing waiters from the list even if the waiter happens to be <code>TimedOut</code> .
064425	Each <code>ejbHomeMethod</code> call was creating a new bean instance instead of utilizing pooled bean instances. This has been fixed.

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064447	When decoding an EJB object handle from a cookie, an <code>InvalidClassException</code> is no longer being thrown.
064561	When <code><finders-load-bean>=false</code> , new bean instances were being created disregarding pooled instances. This has been fixed.
064625	No longer getting 'local interface must not include <code>java.rmi.RemoteException</code> in its throws clause' from the JDBC when this should not be gotten.
064967	The ejbc no longer fails due to empty strings environment variables.
064969	The DDConverter now generates correct assembly descriptors.
065092	For EJB1.1 beans in 6.1 service pack 2, in a single transaction if the persistent field of a bean is changed and then a finder is invoked which returns the same bean, the new value of persistence field is overwritten by the value retrieved from the database. In 6.1 service pack 3, changes made to the <code>EntityBean</code> are no longer lost in the middle of a transaction.
065290	EJBC/RMIC generates XML descriptors with <code>clusterable=true</code> even for beans for which <code>clusterable</code> is false.
065321	Fixed a locking issue with an entity bean.
065571	When the entity bean didn't have a create method, DDinit was not generating the Descriptor files. This has been fixed.
066245	The <code>ctx.getCallerPrincipal</code> no longer returns run-as principal.
066644	A JMS message-driven bean and Queue with persistent file store was carrying over the transaction context in <code>onMessage</code> . This has been fixed.
067018	Calling <code>EntityContext.getEJBLocalHome</code> from the home method was throwing an <code>IllegalStateException</code> . This has been fixed.
067515	When invoking a JSP during 5.1/6.1 interoperability testing, the first time succeeded and the second time produced an error. This has been fixed.
068262	For EJB1.1 beans we were using <code>setBytes</code> to insert a value into a LONG column. This failed when the data was larger then 4K. We are using <code>setBinaryStream</code> now, which avoids causing the following exception: <code>ejbCreate(): java.sql.SQLException: ORA-01461.</code>
068569	A <code>tmp_ejb</code> directory was being created even if not using server-side ejbc. This has been fixed.

068971	The ejbc no longer generates JDBC code for CMP EJBs with deprecated methods.
069280	An Illegal Reentrant Error is no longer incorrectly thrown by WebLogic Server during concurrent client calls to an entity bean.
069391	Fixed the CMP Manager <code>cascadeDeleteRemove</code> which was broken for CMP Partners.
070099	DDConverter fixed to generate the method-permission tags.
070565	Added a property to <code>weblogic-ejb-jar.xml</code> , called "clients-on-same-server", to indicate that the EJB is collocated with the web tier. This is a performance fix, designed to reduce multicast traffic. The default is false.
070754	In 6.1 service pack 2, <code>afterCompletion</code> was being invoked on a <code>StatefulSession</code> bean while the bean method was still busy processing. This behavior is counter to the EJB 2.0 specification. In 6.1 service pack 3, serializing Business methods and EJB Callbacks are being invoked which means that <code>afterCompletion</code> will not be invoked on a <code>StatefulSession</code> bean until the bean method has completed processing.
071027	Previously, the container checked for the CMP table by firing an SQL query (<code>select * from tableName where 1=0</code>). This way of checking is not efficient in the case of DB2 where the query generates a full table scan and is very slow if table has a lot of data. The container now provides an option to check the table using <code>DatabaseMetadata</code> . Although usually slower than checking using an SQL query, this way works well for DB2. See the <code><validate-db-schema-with></code> tag in the <code>weblogic-rdbms-jar.xml</code> file for more information.
071296	When doing an <code>ejbCreate()</code> on an entity bean (EJB 2.0), a <code>java.lang.IllegalStateException</code> was being thrown. This has been fixed.
071377	Now WebLogic Server supports the ability to generate the EJB QL extension <code>? IS [NOT] NULL</code> .
074710	An error no longer occurs while running a stateful session bean in a cluster. When a stateful session bean was passivated, the remote entry was removed and when the bean was activated, the remote entry was not returned, resulting in a <code>NullPointerException</code> .
075867	Message-driven beans deployed on WebLogic Sever had a problem re-establishing a connection to an MQSeries JMS server. Extra connections were created because of the number of triggers scheduled. This has been fixed.
076167	In 6.1 service pack 2, if an <code>SQLException</code> was thrown in <code>ejbLoad</code> of a read-only bean, the caller's (global) transaction was not being resumed. In 6.1 service pack 3, it is being resumed.

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078147	Fixed a problem that was causing the following exception when using an EJB11/ CMP11 bean: Exception in <code>ejbCreate()</code> : <code>java.sql.SQLException: ORA-01461: can bind a LONG value only for insert into a LONG column</code>
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Examples

Change Request Number	Description
048185	The ACL example is now documented with the client example.
053467	The second compilation of the <code>i18n.logging.message</code> directory no longer gives errors.
056884	Fixed an error in the instructions for an example.
057904	Changing the connection pool is now mentioned in <code>petstore.html</code> .
062962	The username/password authentication in the JAAS example now works on a UNIX environment using the <code>CertLoginModule</code> .
062999	Fixed a problem that was occurring when establishing a WLEC connection between WebLogic Server and Tuxedo. The WLEC <code>simpapp</code> example now connects to Tuxedo service.
063229	Made improvements on <code>examples/iiop/ejb/stateless/server/tux</code> .
071478	JMS Draw demo example is no longer broken with unique windows.
077055	Fixed a problem that was causing the Petstore server to begin with an error making it impossible to deploy Petstore.

JDBC

Change Request Number	Description
052393	Updated the thin driver so that it does not have an error in JDBC session persistence while putting <code>StringBuffer</code> object.
054864	In 6.1 service pack 2 the server was hanging when using MultiPool with more than one database under heavy load. The MultiPool request would hang because the database was not responding which resulted in the whole server locking up at <code>weblogic.jdbc.common.internal.MultiPool.searchHighAvail(MultiPool.java:200)</code> . The cause was over-synchronization in the code which has been fixed in 6.1 service pack 3.

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057340	When a connection pool is empty, the message now says "No available connections in pool."
057977	Connection pool does not rollback anymore on cleaning up JTS connections
059020	Deadlock no longer occurs if <code>weblogic.jdbc.common.pool.shutdownSoft()</code> is called when the connection pool is used by another user.
061786	<code>CREATE_POOL</code> now fires the connection pool just after <code>DESTROY_POOL</code> .
064198	Several classes were directly referencing optional Oracle classes in the server side code. This no longer occurs.
066001	Added a property to the <code>JDBCConnectionPool</code> <code>XAPassword</code> to encrypt the database's password.
066964	When using the WebLogic <code>jDriver</code> for Oracle/XA for a JDBC connection pool, refreshing the connection pool after a DBMS failure and restoration occasionally resulted in a core dump. This has been fixed.
066966	The <code>ResourceAllocator</code> monitor is no longer held while making a JDBC call to test table.
068490	Synchronized the call to <code>xa_open</code> at the java level.
068952	Provided automated build scripts for <code>jDrivers</code> .
070209	It is now possible to use the Oracle 9.0.1 Thin Driver to connect to an Oracle database. To use the driver, include the path to the driver class files (<code>classes12.zip</code>) to your <code>CLASSPATH</code> before the entry for <code>weblogic.jar</code> .
071974	<code>PreparedStatement</code> cache size set to 0 by default.
073640	Added a new attribute for a JDBC connection pool: Open String Password (or <code>XAPassword</code> in the <code>config.xml</code> file). This new attribute allows for encryption of the database password in the open string for connection pools that use an XA JDBC driver that requires an open string. For more information, see Database Passwords in Connection Pool Configuration in the <i>Administration Guide</i> .
076090	Improved the behavior of database passwords included in the <code>Properties</code> attribute of a JDBC connection pool. If you specify a database password as part of the connection properties or open string, WebLogic Server parses the values and moves them to the <code>Password</code> and <code>Open String Password</code> attributes, respectively, which are encrypted when stored in the <code>config.xml</code> file. For more information, see Database Passwords in Connection Pool Configuration in the <i>Administration Guide</i> .

jDriver

Change Request Number	Description
056531	There is no longer a performance regression in jDriver.
061643	<code>weblogic.Admin RESET_POOL</code> no longer fails after the database recovers.
063872	When a string value is returned from the out parameter of a stored procedure, trailing spaces are no longer stripped.
063874	The time component of an SQL DATE was not removed when the JDBC <code>getDate()</code> methods were used.
069109	Modified JDBC test scripts to make Oracle 8.1.7 the default.
069676	The WebLogic jDriver for Oracle now supports the <code>we8iso8859p15</code> character set.
070878	If <code>PreparedStatement.setString</code> was used with an incorrect positional index of '0' with a DBMS connection created using the WebLogic jDriver for Oracle, the JVM would crash. Now, the jDriver gracefully handles the coding error and throws an exception.

JMS

Change Request Number	Description
044976	Made sure that returned values and exceptions from any get method in <code>MapMessage</code> conform to the JMS specification.
058876	Disabling or enabling the JMS server through the Administration Console was causing WebLogic Server to throw an exception for any registered durable subscribers. This has been fixed.
061094	In a clustered environment, a <code>NoSuchObjectException</code> is no longer thrown for JMS clients listening on a JMS server if one of the WebLogic Server nodes in the cluster is not immediately restarted after shutting down.
061552	JDBC connection is no longer reset after the server is idle for three hours.

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062669	JMS now supports selectors with unicode strings. Specifically, the expression parser now uses a <code>StringReader</code> and the <code>charVocabulary</code> range was increased.
062744	A NULL value is now accepted for a JMS <code>MapMessage</code> property to conform with the JMS specification.
064727	Fixed a problem with creating <code>ObjectMessage</code> for JMS in an applet.
067134	Added <code>weblogic/management/configuration/JMSConstants.STORE_ENABLED_XXX</code> .
067286	JMS paging no longer fails to page during a server restart.
068667	Upon booting, JMS non-persistent-message-paging file stores was failing to make available all disk-blocks for re-use. This has been fixed.
069757	JMS with SSL no longer throws the <code>weblogic.jms.common.LostServerException</code> .
070454	Message recovery no longer fails nor is delayed upon server crash when using message-driven beans with durable subscription.
072556	No more JMS Queue deadlock in <code>addReader()</code> .
073403	Fixed a problem that was due to a JNDI object having the same JNDI name of a different type.

JTA

Change Request Number	Description
062681	WebLogic Server no longer fails on JDBC connection request to the pool whenever the connection object is left unclosed in the JDBC code.
063053	The XA connection can now specify the <code>openString</code> property.
064232	The <code>javax.transaction.HeuristicMixedException</code> is no longer being thrown sporadically at commit.
064403	After a Transaction timeout using the XA driver and a Stateless Session Bean, the <code>XAConnection</code> became unusable until WebLogic Server was restarted. This has been fixed.
064825	Method descriptors for <code>SubCoordinatorImpl</code> are now getting parsed at runtime.
065495	Added a system property to allow users to set the amount of time they are willing to wait to obtain the Coordinator reference. To specify the wait time, specify <code>-Dweblogic.JTA.ContactCoordinatorWaitSeconds=<seconds></code> when starting the client or server.
066420	JTA server-resource cache was not being updated correctly on a member server <code>peerGone</code> event. This has been fixed.
068447	XA transactions with <code>TestConnectionsOnReserve="true"</code> no longer fails.
070855	JTA server-resource cache updates delayed under load no longer causes aborted transactions.
076439	Fixed a problem that was causing random XA transactions to be rolled back with an <code>Illegal State (Expected: preparing)</code> message.

Miscellaneous

Change Request Number	Description
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2 *Resolved Problems*

042372	The API URL () provided in WebLogic now functions properly. For some URLs, it was causing an exception error.
050388	Statistical information for the Jolt connection pool is now being displayed in the console.
052478	<p>A timing related JVM bug on Solaris is encountered that causes the VM to exit during object deserialization of management objects at server startup. If you run into this JVM bug:</p> <ul style="list-style-type: none">■ Re-start the server.■ Upgrade the Virtual Machine to JDK version 1.3.1_04.
053029	The RA component is now removed during delete.
054080	In 6.1 service pack 2 on a Solaris machine, when WebLogic Server was using SSL to communicate (both as a client and a server) and was using <code>NativeIOEnabled="true"</code> , the JVM instance consumed more and more memory and eventually hit the heap size limit. This bug was encountered at a WebLogic Integration installation which relied on SSL communication between trading partners. In 6.1 service pack 3, this problem no longer exists.
055007	Created a configurable parameter, <code>weblogic.system.openSockCount</code> , that would determine the number of allowable connections.
056622	Added a new system property: <code>weblogic.net.http.URLStreamHandlerFactory</code>
056698	Fixed a problem with installing customer protocol handlers.
057313	Fixed <code>ConcurrentModificationException</code> while iterating through <code>AbbrevMap</code> .
057357	Fixed a problem that occurred when defining an error page 401.
057743 & 060981	The WebLogic Server <code>verboseToZip</code> and <code>logToZip</code> utilities have corrected problems with versioning information. Manifest entries, on which WebLogic classes depend for versioning information, are now pulled from <code>weblogic.jar</code> . The <code>verboseToZip</code> output file no longer includes entries for dynamic proxy classes. If a message log contains any instance of <code>i18n</code> messages, then <code>logToZip</code> now pulls all of the <code>i18n</code> related files from <code>weblogic.jar</code> to the client jar.
058327	Getting <code>ClassCastException</code> when trying to make a look-up to <code>DataSource</code> from an Applet
058358	The <code><alt-dd></code> tag in the <code>application.xml</code> file is now being recognized.

059054	Added the following symbol as a cookie separator: ","
059104	A property called <code>javaHome</code> which specifies the JVM that is used to start up a managed server was added for node manager.
060062	The Connections High column in the connection pool monitoring screen no longer includes connections refreshed by WebLogic Server.
060079	When using JMS over t3s, a <code>MaxMessageSizeExceededException</code> was being randomly thrown even though the message size never exceeded 50k.
060211	Fixed the placement and quotation of startup arguments passed to node manager from the Remote Start tab in the Console.
060739	<code>UserTransaction</code> now works properly under load. Now, transaction-managed EJBs control the isolation level automatically if the EJB starts the transaction as well as if the user starts the transaction.
061059	It is no longer possible to find a record after it has been removed from a database.
061458	WebLogic Server now supports starting NodeManager on Solaris and HP-UX without using Native libraries.
061512	Fixed problems starting WebLogic Server as a service on Windows NT and Windows 2000.
061847	There are no more error messages when using HTTP with <code>examples.io.FileBrowser</code> .
062086	Using DDConverter to convert from CMP 1.1 to CMP 2.0 no longer throws exceptions for JAR files that contain more than one EJB.
062177	There are no longer any peer to peer connections in clustered nodes.
062375	<code>PeerInfoable.getPeerInfo</code> no longer returns null when marshalling a transaction's propagation context in a clustered environment.
062439	Added error handling code in the native layer of Windows.
062565	The 1.2 JVM client no longer causes a socket connection leak.
062752	<code>jDriver</code> was giving an ORA-24347 error on an outer join operation which selected more than 100 rows. This has been fixed.
062926	JSP page tags can now handle MS932 specific characters on Solaris or HP.

2 *Resolved Problems*

062989	A JMS client running on a slow modem connection and trying to establish a JMS <code>topicConnection</code> with a cluster of two WebLogic Servers no longer gets a <code>ClassCastException</code> .
062997	The servlet engine now removes the servlet stub of the generated JSP file if the source file has been deleted.
063103	Context lookup was failing within a spawned thread. This has been fixed.
063147	Applets no longer fail during downloading of Home interface Stub with the JDK 1.3.1_01 plug-in.
063310	<code>CGIServlet</code> no longer fails under load due to File Descriptor leak.
063354	No longer receiving a <code>ClassCastException</code> from <code>rjvm.MsgAbbrevInputStream.readClassDescriptor()</code> when looking up a session bean from a servlet.
063671	Client side using HTTPS tunneling was producing the get <code>java.net.ProtocolException: Tunneling result not OK, result: 'DEAD'</code>
063830	No longer throwing a <code>javax.transaction.TransactionRolledbackException</code> when the cache is full.
064117	Fixed a problem that was causing the server to abort the connection and result in a <code>java.net.SocketException</code> .
064125	When a server was started via the node manager, the password is no longer being seen in the start command.
064130	<code>ReplicaLists</code> are now serializable in order to allow more than one lookup under IIOP.
064391	When deploying applications that contain malformed <code>MANIFEST.MF</code> entries, exceptions are no longer being thrown.
064404	When the same instance of IE is used to configure a webApp using the console and then to access the same webApp (containing French characters for instance), sometimes accented characters were not being displayed correctly. This has been fixed.
064434	If a servlet used <code>RequestDispatcher.include()</code> to include the output of a JSP, the post-processing filter was not able to add a header to the reponse. This has been fixed.
064860	WebLogic Server no longer fails to execute CGI scripts with JSPs that use page buffering.

065697	When SetUID was enabled, the server wouldn't start. This has been fixed.
066130	Corrected an error message that was being thrown by the ejbc during compliance checking.
066158	When a Log Filter is defined and targetted to the managed server, the trap is now invoked when using the NonCatalogLogger.
066252	Using a specific Factory/Trader pattern, a ReplicaAwareRemoteRef warning log was being displayed on the client side. This log is no longer displayed.
066504	Updated the SP installer with JDK 131_02 for Solaris and Windows.
067508	A generic classloading exception was being thrown when generating a thin client with AppletArchiver. This has been fixed.
067516	The appletArchiver now spools the i18n and manifest files to the thin client jar.
067517	AppletArchiver no longer generates L10n type exceptions when building the client jar.
067648	Fixed a problem that was causing WebLogic Server to hang due to the PosixSocketMuxer code.
068570	Upgraded the SNMP kit to ensure Agent is not affected by DOS attacks.
069043	When using HttpProxyServlet in conjunction with a filter, a SocketResetException no longer occurs in NTSocketMuxer.
069675	Reading from a file with @file option on the BEASVC command line no longer has a limitation of 4K.
069991	No longer receiving a ClassCastException from <code>rjvm.MsgAbbrevInputStream.readClassDescriptor()</code> when looking up a session bean from a servlet.
070575	After the server had been running about two days, a client running on a separate JVM was not able to look up a bean due to the JNDI tree and JNDI objects eventually becoming out of sync. This had been fixed.
071580	WebLogic Time service thread is now setting Context Class Loader.
071822	In order for jCOM to successfully find the WebLogic license file, the beahomelist file must be located in C:\bea.
072010	Configuring WLEC connection pool was interfering with command line properties. This has been fixed.

2 *Resolved Problems*

072061	The node manager -Dweblogic.nodemanager.sslHostNameVerificationEnabled=true option now performs host name verification.
072211	Improved the Solaris native implementation of node manager for handling error conditions.
072228	WebLogic Server was not firing a trap for the JDBCConnectionPoolRuntime on the admin server. This has been fixed.
072278	Improved the HP-UX native implementation of node manager for handling error conditions.
072327	Attributes with type LONG can now be monitored with SNMP.
072495	Fixed a memory leak caused by Timer Services.
072904	When CallRouter was used, ReplicaList was being corrupted. This has been fixed.
073116	Fixed the weblogic.Admin SERVERLOG command-line utility.
073201	When running multiple HTTP tunneling clients over a modem connection, the server was eventually hanging. This has been fixed.
073400	Enhanced verboseToZip with an option to filter out all of the javax packages from the output JAR file in order to decrease the size of the client JAR.
073529	Fixed a problem that was causing clustered servers to lock under heavy stress testing.
073569	Eliminated <DGCserver> info messages in the weblogic.log file in order to save space in the file.
073578	Installing Windows NT service by specifying JRE directory as its JAVA_HOME failed with an error when trying to start the service. This has been fixed.
073788	The HP Installer was failing to build. This has been fixed.
074991	Fixed a problem that was resulting in WebLogic Server crashing in the performance pack under heavy load.
075271	A NullPointerException is no longer thrown at weblogic.utils.BubblingAbbrever.getValue (BubblingAbbrever.java:163). The Abbrev tree is no longer getting corrupted.

075700	For WebLogic Server instances that run as a Windows service, you no longer need Windows Administrator privileges to start the service.
076395	For WebLogic Server instances that run as a Windows service, using the Administration Console or the <code>weblogic.Admin</code> utility to shut down the server no longer causes the Windows service to report an error condition.
076705	Deploying a <code>MessageDriven Bean</code> no longer fails with a <code>NoAccessRuntimeException</code> for guest if the destination is remote.
077238	Startup scripts now specify the correct value for the Oracle <code>jDriver</code> path. Before this service pack, startup scripts specified <code>LD_LIBRARY_PATH=oci816_8</code> , which is no longer supported. Now the scripts specify <code>oci817_8</code> .
077278	Removed the Oracle 816/806 driver from the WebLogic Server 6.1 service pack 3 installation.
077919	Fixed a problem with an earlier bug fix that was causing calls to <code>ObjectOutputStream.writeObject()</code> on <code>EJBHandle</code> to throw the following error: <code>Closing: 'weblogic.rjvm.t3.T3JVMConnection@49c89f'</code> because of: <code>'Server received a message over an uninitialized connection.'</code>
078523	The java version bundled with the WebLogic Server 6.1 service pack 3 installer is: <ul style="list-style-type: none">■ Win 2k & Solaris installer bundled with java version 1.3.1-03■ HP installer bundled with java version 1.3.1.05.

Plug-Ins

Change Request Number	Description
054344	WebLogic Server can now proxy all requests except a certain MIME type.
057448 & 059142	Fixed a memory problem that occurred when using SSL under heavy loads.
058886	Fixed an IIS Proxy memory leak with SSL.
060325	Concurrent GET and POST requests led to a hang in the Apache plug-in
060863	On HPUnix11, the NSAPI plug-in was writing a POST timed-out error on the browser even after the second retry worked and printed the HTML content in the browser.
061229	A request is now declined if handler is not set to <code>weblogic_handler</code> explicitly.
061379	<code>RequireSSLHostMatch=true</code> now works with NSAPI.
061386	The plug-in systematically puts the previous proxy/client's address in the header.
061561	The request is not timed-out in case of failover from a hung server.
061881, 065980 & 076503	The NSAPI Proxy plug-in no longer fails to handle large (greater than 2k) POST Requests.
062607	When the <code>KeepAlive</code> is enabled on the plug-in IIS, the connection is now closed immediately with a HEAD http request.
062641	With the IPlanet plug-in, from a Java client using JSSE, the servlet access now works.
062778	Plug-in is now able to proxy requests to the primary/secondary servers without checking if those are in the current server list.
062808	Added support for the latest beta version of Apache 2.0.
063004	The Apache proxy plug-in no longer generates an incorrect URL under a heavy load.
064268	In the response header the status, HTTP/1.1 200 OK, the string "OK" is no longer being stripped off by the <code>iisproxy.dll</code> .
064472	Apache 1.3.12 EAPI, Solaris 2.8, with <code>mod_wl_ssl.so</code> was generating "Segmentation Fault - core dumped" while using port based virtual host. This has been fixed.
064890	Cookie Path no longer gets mangled when <code>PathTrim</code> is used in Apache.

065188	Fixed the iPlanet plug-in so that it no longer gives a <code>WRITE_ERROR</code> with a 404 error for a static page.
065443	Now able to proxy to both 5.1 and 6.1 backends with the NSAPI plug-in.
065660	The HTTP header is malformed with the last ISAPI plug-in.
067100	The build information of a plug-in now includes the version number.
068243	ISAPI plug-in <code>PathPrepend</code> path is no longer prepended twice when using FORM authentication for a web application.
068517	The proxy plug-ins no longer load the ECC crypto module.
068562	When setting up IIS to proxy to multiple sites, the plug-in was not working when putting a firewall or a load balancer in front of the IIS server. This has been fixed.
068634	A 413 error is now returned if Content Length exceeded the plug-in parameter <code>MaxPostSize</code> .
068790	Now supporting Apache2.0.32.
068985	Added the ability to exclude certain requests from being proxied in WebLogic Server.
070358	Apache-plug-in no longer gives response code 500 when the server is not available.
072895	When secondary is killed, request was not going to the same server (primary). Now it is.
073838	When using iPlanet, WebLogic Server no longer loses the HTTP session ID if <code>CookiesEnabled</code> is set to false.
073936	Apache Plug-ins have been ported to OpenVMS 7.3 platform.
074137	The NSAPI plug-in was returning "unknown" if <code>x-forwarded-for</code> and <code>client-proxy-ip</code> headers were not sent or set. This has been fixed.
074286	Now able to proxy to both 5.1 and 6.1 backends with the Apache plug-in.
074393	Added URL parameters to the correct <code>requesturi</code> variable because the latest iPlanet plug-in was dropping URL parameters.
074656	If the password to start WebLogic Server was provided on the command line, the property, <code>weblogic.security.jaas.Configuration</code> , was not initialized at all. This has been fixed.
076457	Fixed the problem with <code>READ_TIMEOUT</code> (os error=22) on NSAPI for Solaris. The NSAPI plug-in is now stable under a heavy load (800 or more users).

2 *Resolved Problems*

076578	The NSAPI plug-in no longer keeps trying to connect to a dead server.
076701	The Apache server no longer crashes when Content-Length is zero in a POST request by requiring that the server not read post data if Content-Length is 0.
076722	The Apache server no longer crashes when Content-Length is zero in a POST request.
076731	The NSAPI plug-in can now fail over to the active server when the primary and secondary servers are locked if it is specifically requested to do so.
076996	Fixed an SSL memory leak problem.
077440	The IP address of the proxy is now in the HTTP request headers.
077794	The keep-alive feature for Apache 2.0 is disabled for this release.
078265	MaxSkips is used if DynamicServerList=OFF.
078883	The NSAPI plug-in no longer dumps core when URL rewriting is used with a long URL.

RMI over IIOP

Change Request Number	Description
047057	Support for complex objects is fixed in IIOP implementation.
062082	Improved parsing of IIOPs URLs.
067013	Now, only if debugging is turned on, are <code>onMessages</code> printed whenever there is failure to renew lease.
072179	Resolved the difference in behavior for JDBC connections taken from pool driver or <code>DataSource</code> when not closed.
073028	Now, chunk continuations before encapsulation body are allowed.
073889	If <code>MuxableSocketIIOP</code> received more than one message in a chunk and if the overshoot was less than the length of the message header, then subsequent attempts to read the message length were wrong. This has been fixed.
074100	Muxer boundary condition no longer causes garbaged message.

Security

Change Request Number	Description
061659	WebLogic Server now starts with <code>NTrealms</code> configured
061694	When running the <code>SSLClient</code> example, a <code>NullPointerException</code> was being thrown at <code>weblogic.security.provider.MD2.<init>(MD2.java:24)</code> . This has been fixed.
062172	Now, if cookies are disabled in a browser, form-based authentication redirects to the secure JSP/Servlet.
062261	Fixed a security issue with <code>EJB SessionContext.getCallerPrincipal()</code> .
062988	Fixed a problem with the NT realms and multiple PDCs.

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063349	When implementing an <code>AuthFilter</code> class, the methods <code>doFailAuth()</code> and <code>doSuccessAuth()</code> are now being called.
063763	Two-way SSL java client connection now works with encrypted private keys.
064250	The web server is no longer vulnerable to session ID forcing. This applies to web applications protected with form-based authentication.
064263	Lockout Duration above 322122 will now lock out the user.
064285	When running the <code>SSLClient</code> with <code>ssl.proxyHost/ssl.proxyPort</code> , the <code>SSLHostnameVerifier</code> now works as expected.
064342	It is now possible to redirect the <code>echo \$password</code> command output to the Java interpreter to start WebLogic Server other than by using <code>password.ini</code> or by specifying the <code>-Dweblogic.management.password=\$password</code> property.
065046	<code>ManageableRealm.newAcl()</code> no longer returns NULL when the System password is changed.
065314	LDAP version 2 no longer causes issues with usernames containing natural language.
066232	The 2-way SSL with RMI/IIOP <code>PingClient</code> example is now working.
066264	Fixed a problem with the lockout mechanism using Japanese Windows 2000. A 500 error was occurring.
066491	The browser is no longer able to get access to a file in the <code>mydomain</code> directory of the server.
067726	Fixed a problem with form-based authentication.
068524	Two-way SSL with RMI/IIOP and EJB access and authentication is now working for the <code>SimpleCertAuthenticator</code> example.
069083	Fixed a problem with perimeter authentication.
069160	There is now a way to set <code>ClientCertProxyEnabled</code> for unclustered servers.
070870	<code>LDAPRealmv2</code> is now fully implemented.
071167	There is no longer a <code>ProtocolException</code> when tunneling HTTPS through iPlanet proxy server.
072096	Now able to start a managed server using SSL and <code>DebugRC4="true"</code> .
072916	Changed class <code>weblogic.security.X500Name</code> to implement <code>Serializable</code> .

075109	LDAPRealmv2 now caches memberships.
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Servlets, JSPs and Web Applications

Change Request Number	Description
044528	Under certain situations, <code>isUserInRole</code> was returning false when it should have been returning true. This has been fixed.
051065	XML fragments on the XML view of a JSP page were not being passed to out. Non-standard fragments, which are neither standard nor custom tags (tag libraries), are now being sent to the current value of out as is.
054694	<code>RequestDispatcher</code> will now invoke filters upon include/forward properly.
055333	When detecting <code>contentType</code> directive at the middle of the JSP, the JSP compiler was failing.
056153	The File Servlet now supports initialization parameters as well as context parameters.
058352	It is now possible to access a web application that has a one-character name like "i.war" or "j.war".
059026	In a web application that contains a servlet, when the mapping defined for this servlet is in the form of *.aBc, accessing the servlet no longer fails.
059102	The compression filter now works correctly with <code>RequestDispatcher</code> . The forward was causing an invocation of the filter, but the servlet engine was sending the empty response back to the client. This has been fixed.
059219	WebLogic Server no longer returns the default port number if Host Header is missing.
060023	The <code>FileServlet</code> now includes the <code>SERVLET_PATH</code> when calculating the source filename which means that it is possible to only explicitly serve files from specific directories by mapping the <code>FileServlet</code> to <code>"/dir/*"</code> etc.
060184	<code>PathInfo</code> is now decoded and preserves characters in the original URI.
060351	The method <code>PageContext.include(String relativeUrlPath)</code> was not throwing any exception when the URL to be included was not found. Added a log message that appears in the context log file and indicates the parent resource and which resource could not be included. The log message appears in the <code>mycontext.log</code> file - where <code>mycontext</code> is the context-path of the webapp.
060825	<code>BodyTagSupport</code> method, <code>getBodyContent()</code> , incorrectly returned null when body tag was empty.

061377	<code>jspc</code> no longer generates <code>EVAL_BODY_TAG</code> instead of <code>EVAL_BODY_AGAIN</code> .
061782	<code>ServletResponseImpl.setContentType()</code> can now handle multipart type properly.
061784	While getting the log from a managed server, the admin server java process was pegged at 90%. This has been fixed.
061864	WebLogic Server now prevents the display of secure cookies.
061948	Added a new semantic-predicate to distinguish between tags with body-content set to "tagdependent" or "jsp". Added a new rule before the existing opening-tag rule in the lexer. When the tagdependent rule is invoked, it does the same as the ordinary open-tag rule, but also looks ahead and matches the content of the JSP until it finds a matching closing tag. Everything it finds is escaped for <code>\n</code> , <code>\r</code> , and <code>\</code> and printed to "out". It then returns to the parent lexer rule which should immediately find the closing tag.
061968	<code>HEAD</code> method no longer returns request body with use of <code>jsp:include</code> .
062109	Fixed a problem with JSP scripting variable synchronization
062160	The parameters <code><compileFlags></code> , <code><encoding></code> , and <code><compilerSupportsEncoding></code> are no longer ignored during precompilation.
062289	WebLogic Server now decodes the spaces in a URL.
062395	<code>load-on-startup</code> in <code>web.xml</code> is now be optional
062536	The JSP response that contains Japanese characters is no longer garbled when filtered with <code>HttpServletResponseWrapper</code> .
062538	Pages will now be properly parsed regardless of the location of the <code>contentType</code> .
062542	Now, requesting <code>aux.jsp</code> / <code>AUX.jsp</code> / <code>PRN.jsp</code> / <code>prn.jsp</code> on a WebLogic Server that is running on a Windows box either succeeds or fails instead of staying in an undetermined state.
062579	CGI scripts will now be resolved properly even if <code>CGIServlet</code> is registered as a default servlet.
062896 & 063009	When the JSP parameter, <code>precompile</code> , was set to <code>true</code> in the web app (WAR) <code>weblogic.xml</code> , only the document root level JSPs were being recompiled each time the server restarted. The subdirectory JSPs were not being recompiled. JSPs are now recompiled, even during pre-compilations, only if they have changed.

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062920	When specifying an <code><exception-type></code> in <code>web.xml</code> in a webapp (the exception class is located under <code>WEB-INF/classes</code>) when the webapp is deployed, WebLogic Server was not finding the exception class and throwing a <code>ClassNotFoundException</code> . This has been fixed.
063007	Session table name for JDBC persistence is now configurable.
063127	<code>ServletInputStream</code> now returns data if the session is new.
063169	Having accented characters and a <code>Charset=UTF-8</code> no longer yields the <code>weblogic.utils.ParsingException</code> and the nested <code>TokenStreamException</code> .
063288	WebLogic Server now only looks for <code>SessionCookie</code> in the cookies if <code>CookiesEnabled</code> is true.
063414	When trying to migrate applications from WLS 5.1 to 6.1 SP1, there is no longer high CPU utilization.
063524	A <code>NullPointerException</code> is no longer thrown using <code>FileServlet</code> with <code>nativeIO</code> turned on.
063563	<code>weblogic.jspc</code> was not passing <code>-encoding JAVAENCODING</code> value to <code>javac</code> from the page tag. This has been fixed.
063904	The inclusion of each page directive in a JSP was leading to the insertion of an extra line feed character in the generated HTML output. If the HTML consisted of an image, the image lost its formatting. This has been fixed.
063925	If a language-specific character encoding is specified for a web-app, binary data written to the response outputstream is no longer garbled.
064294	Fixed a problem with the WebLogic Server SessionID reuse using a virtual host.
064383	HEAD request from an applet no longer issues a <code>ClassCastException</code> from <code>ClasspathServlet</code> .
064446	When using two levels of proxying, a call to <code>getRemoteUser</code> was always returning NULL. This has been fixed.
064449	Web application deployment was failing and resulting in a <code>StringIndexOutOfBoundsException</code> . This has been fixed.
064650	WebLogic Server is now able to load a class from a JAR file with a period in its name.

064880	In form-based authentication, when the user directly went to the login page, WebLogic Server was forwarding the user to the welcome page. This has been fixed.
064988	JSP precompilation no longer aborts after a compile error when the -k flag is set.
065104	Fixed by 064650 and 065213.
065194	A multi-part request in the SSL process was failing through a slow connection. This has been fixed.
065213	When both <code>xalan.jar</code> and <code>xerxes.jar</code> were in the lib directory, <code>NoClassDefFound</code> was occurring. This has been fixed.
065924	In a non-clustered environment, webapps with cluster specific properties can now be deployed using the new option: <code>replicated_if_clustered</code>
066395	<code>response.addHeader</code> was failing with null character being inserted erroneously. This has been fixed.
066500	Forwarded JSP pages will now terminate the execution of the current page.
066569	<code>request.getParameter()</code> is now returning the paramater for post request with Javaclient.
066708	<code>request.setCharacterEncoding</code> was not working for JSP includes. This has been fixed.
067001	When using the Http Proxy/Cluster servlet, a request was sent to some backend server and the response body was not returned to the client if the request came back with a status of 100. This has been fixed.
067072	When a JSP had <code>pageEncoding</code> without <code>contentType</code> charset specification, the generated .java file was in VM default encoding and the compile failed. This has been fixed.
067073	Generated .java and -encoding for javac did not match when both <code>contentType</code> and <code>pageEncoding</code> existed. This has been fixed.
067077	When there was an encoding setting in <code>jsp-param</code> of <code>weblogic.xml</code> at a JSP file with <code>pageEncoding</code> , <code>pageEncoding</code> was not used. This has been fixed.
067292	Latin one characters in request parameters, when re-directing from one JSP to another, were getting lost. This has been fixed.
067505	Fixed a problem with port in Location header for an HTTP re-direct.
067748	It is now possible to compress the output stream of a servlet.

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067948	Page buffer directive is no longer ignored if it is in an included JSP page.
068024	Removed the need to use sync blocks in <code>HttpServer</code> or <code>HttpClusterServlet</code> . A new enumeration is constructed each time it is required that references a <code>Set</code> that is guaranteed not to change.
068560	Certain JSP pages' source code was being shown on the browser. This has been fixed.
068648	Limiting maximum POST size now works properly.
068674	There is no longer a <code>ClassCastException</code> thrown when using <code>HttpProxyServlet</code> in conjunction with a filter.
068809	Now, the write signature is honored when using encoding that is different from the default.
068821	<code>getRequestURI</code> from Request Object is now returning the full length of the URI.
069304	<code>HttpClusterServlet</code> now re-reads the post data from the input stream up to the declared content-length.
069511	Error page attributes are now being set on request for JSP error directives.
069630	If the property of a custom tag in a JSP contained an escape sequence (<code>\</code> "), the JSP was not compiling. This has been fixed.
069652	The response header (<code>ContentType</code>) and the <code>JSPWriter</code> now have the same character set while serving a page to client.
069956	For replicated sessions, the open session count is incremented only once.
070090	When sending session cookies in the response to the client, WebLogic Server did not specify the cache-control appropriately to prevent caching proxies from caching the cookie. This has been fixed.
070132	It is now possible to request a filename with Chinese characters.
070151	<code>weblogic.jspc</code> no longer silently exits when <code><load-on-startup></code> contains an empty value.
070470	Subsequent reload/refresh was at times executed by the old code that was still deployed in the container. This is now prevented by reloading of the stale class in the case where the JSP fails to parse.
070755	No longer sending <code>wlsproxy</code> specific headers if the requests are not coming via <code>wlsproxies</code> .

070823	Eliminated inconsistent behavior of index directories parameter across WAR and EAR components.
071076	Fixed classloading behavior problem that resulted in having both child1 and child2 using the same classloader, BUT additional classloaders being created and destroyed.
071082	Fixed broken URLEncoding.
071634	Fixed chunked transfer encoding issues that occurred when WebLogic Server 6.1 was communicating with WebLogic Server 5.1.
072557	<code>response.addCookie(name)</code> now honors the order in which cookies are sent to the browser.
073203	Now able to use the + character in a <code><url-pattern></code> .
073380	Improved the error messages for <code>CGIServlet</code> .
073516	Fixed a problem with the <code>CGI NonParsedHeader</code> .
073792	Active sessions will no longer be invalidated.
073797	JSP <code>useBean</code> tag is now parsed properly.
074015	There was a <code>NegativeArraySizeException</code> if <code>PROTOCOL</code> is missing in the first line of the request. This has been fixed.
075201	The security-constraint is now working when the <code>url-pattern</code> refers to a two-character directory.
075607	Socket exceptions squashed by <code>PrintWriter</code> could have tied up execute threads in servlets and JSPs. This has been fixed.
075628	When a program submitted data to a servlet using <code>Content-Type</code> that was set to include a charset, <code>getParameterValues("...")</code> , returned every submitted value twice. This has been fixed.
076056	When a JAR file's <code>MANIFEST.MF</code> contained a JAR file that was in a different directory, WebLogic Server was throwing a <code>StringIndexOutOfBoundsException</code> and the web app was not being deployed. This has been fixed.
076476	When using multiple frames, the last <code>accesstime</code> set by one frame was not being honored by the other frame. This has been fixed.
076742	Added a check for the <code><env-entry-value></code> element.

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077329	HttpSessionListener failed to work correctly when the session is set to replicated. This has been fixed.
078930	Requesting http://host:port/webApp/aux%20.jsp no longer hangs the thread servicing the request.

System Administration

Change Request Number	Description
050136	You can now unset the property values for MBeans from the command line.
052774	Applications in the <code>config.xml</code> file that do not actually exist are no longer being deployed.
054836	When migrating a cluster of servers from WebLogic Server 4.5 or 5.1 to WebLogic Server 6.0 or 6.1, an <code>InstanceNotFoundException</code> was thrown. This has been fixed.
056158	Undeploying an enterprise application that contains a default web app caused an exception at undeployment. This has been fixed.
056832	The WLEC Connection Pool was not trying to start when in a cluster. This has been fixed.
058946	Now, JSPs that are pre-compiled on the admin server do not compile again on the managed server.
061426	Servlets load-on-startup after, not before, the Start Up classes have run
061676	The converter utility now puts all log files in the <code>SERVER/DOMAIN/logs</code> directory.
061703	<code>weblogic.deploy</code> was always using the default <code>.wlstaging</code> directory, even if the application was originally deployed using a path other than <code>.wlstaging</code> (i.e., the <code>config.xml</code> was hand-edited). This resulted in update not working for applications that were installed any other way than by using <code>weblogic.deploy</code> . This has been fixed.
062135	Re-deploying an exploded webapp that has a subdirectory with the same name as the webapp results in an error. This has been fixed.
062151	Now, managed servers on a remote machine retain webapp name/timestamps.
062749	It is now possible to update the webapp if the webapp is deleted, deployed, updated, and then updated again.
064101	The admin server JNDI now shows the managed servers' MBeanHome.
064280	Fixed a performance regression that occurred when using the <code>weblogic.refresh</code> utility to update JSPs on the managed servers.

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064575	<code>weblogic.refresh</code> did not refresh JSPs and static files from Windows 2000 to a server running on Solaris. This has been fixed.
064722	It is now possible to deploy an EJB using <code>weblogic.deploy</code> if a deployed component does not exist at start-up time.
066480	Registering a custom MBean with an object name of null, the server was throwing an exception. This has been fixed.
066704	The <code>FailuresFatal</code> property was not getting automatically generated upon migration from WebLogic Server 5.x to WebLogic Server 6.x. This has been fixed.
067917	The property, Console Context Path, on the <domain>->Configuration->General page of the console application now enables a domain to be accessible by a contextpath other than console.
068231	Re-deploying an enterprise application to a managed server (using <code>weblogic.deploy</code>) after modifying the context-root now makes the new context-root effective until a server restart.
068579	Redeployment to Virtual Host was returning <code>javax.management.InstanceNotFoundException</code> . This has been fixed.
068745	Increased the console speed in a 100-node cluster.
069145	For auto deploy in the applications directory, the admin server has been added to the targets if it's not empty.
069407	Multiple senders can now be saved in the <code>MBeanServerNotificationListener</code> 's list.
069686	It is now possible, using MBeans, to change the <code>weblogic.xml</code> cookie name after the web application is deployed.
071633	Fixed <code>svuid</code> for MBean interfaces.
072676	Added <code>LoadBeforeAppDeployments</code> to console for startupclass.
072964	Fixed a problem that was causing a <code>javax.management.AttributeNotFoundException</code> when using the EJB Descriptor editor in the console.
073674	After webapp deployment, the <code>weblogic.xml</code> session persistence type is now changed.

075139	Fixed a problem that was preventing <code>weblogic.deploy</code> from deploying an application to a cluster.
075667	Managed servers were not discovered by the admin server when the admin server was restarted. This has been fixed.
077750	Fixed a problem with deploying an EJB when the JNDI name was already in use.

Web Services

Change Request Number	Description
046215	<p>You can now correctly use the protocol attribute of the wsgen Ant task to specify that you want to use HTTPS (rather than the default HTTP) when invoking a WebLogic Web service.</p> <p>You must, however, perform the following additional steps if you want to use HTTPS:</p> <ul style="list-style-type: none"> ■ Add the following line of Java code to the client application right before creating a URL: <pre>System.setProperty("java.protocol.handler.pkgs", "weblogic.net");</pre> ■ If you are running the examples server with the SSL certificate shipped with WebLogic Server, you need to specify the following on the command line when running your client application: <pre>-Dweblogic.security.SSL.ignoreHostnameVerification=true</pre>
062976	MSSoapClient.ConnectorProperty for AuthUser and AuthPassword is now passed to InitialContext of EJB.
065205	Web Services FaultHandler was never being invoked. This has been fixed.
065669	Now able to use security ACL on a WSDL URL.
066226	<p>WebLogic Web services now support two-way SSL authentication between client applications and RPC-style Web services.</p> <p>To use two-way SSL authentication, add the following Java code to your client application before you obtain the context you are using to look up your Web service:</p> <pre>InputStream certs[] = new InputStream[3]; certs[0]=new PEMInputStream(new FileInputStream("sample_key.pem")); certs[1]=new PEMInputStream(new FileInputStream("sample_cert.pem")); certs[2]=new PEMInputStream(new FileInputStream("sample_ca.pem")); h.put(SoapContext.SSL_CLIENT_CERTIFICATE, certs);</pre>
066703	There were excessive error messages being generated on SOAP client. This has been fixed.

072788	Now, wsdl is generated with element instead of attribute for complex types.
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073897	SOAP Fault now uses CDATA.
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WebLogic Tuxedo Connector

Change Request Number	Description
052022	Codeset translation between WebLogic Tuxedo domains and Tuxedo domains is provided using the WebLogic Server <code>weblogic.wtc.encoding</code> property. For more information, see Configuring WebLogic Tuxedo Connector for Non-ASCII Codesets .
055170	Fixed problem with <code>Fchg</code> method of the <code>TypedFML(32)</code> class in the WTC package.
056230	<code>tbridge</code> no longer fails to initialize the <code>wlsErrorDestination</code> JMS queue
062843	Fixed a problem with the <code>Fdel</code> method of the <code>TypedFML(32)</code> class in the WTC package.
063290	When loading large code tables from Tuxedo to WebLogic Server, the duration of service calls (<code>tpcall</code>) is no longer dramatically longer with WTC compared to with Jolt.
066489	Now able to call an EJB from a Tuxedo client when using FML32 buffer.

XML

Change Request Number	Description
061660	Using JAXP API to parse XML document, there is no longer the error message "Failed to open XML document".
062297	You can now set the cache memory size, cache disk size, and cache timeout interval for the external entity cache using the Administration Console. In previous WebLogic Server versions, these fields did not accept any values.
063433	Fixed a regression with the XSLT processor embedded within WebLogic Server 6.0. When an MFL file contained a group containing a String and either a Literal or XSLT processor embedded within a WebLogic Server 6.0 Filler field, the transformation was hanging.

067966	Due to a fix in the WebLogic Server classloader, you can now plug-in any version of the Xerces XML parser.
065345	Fixed a problem that was causing <code>CharReader.fillCurrentChunk</code> to throw a <code>java.lang.ArrayIndexOutOfBoundsException</code> .
067022	The transformer shipped with WebLogic Server 6.1 now transforms an XML document as expected (using a given XSL).
068656	Fixed a problem that was causing a <code>NullPointerException</code> in <code>weblogic.xml.jaxp.ChainingEntityResolver.pushEntityResolver</code> .
073311	Using the <code>weblogic.apache.xalan.xslt</code> to transform huge amount of data led to <code>javax.xml.transform.TransformerException: String index out of range</code> . This has been fixed.
075800	The built-in XML parser now correctly parses XML files that use external entity references to include external chunks of XML within the original XML file.

Third-Party JAR Files in WebLogic Server 6.1 Service Pack 3

JAR File	Description
J2EE, javax and subdirectories	JTA 1.0.1
	JCA 1.0
	JMX 1.0
	EJB 2.0
	Servlet 2.3
	JSP 1.2
	JMS 1.0.2
XML	org.apache.xalan 2.0.1
	org.apache.xerces 1.3.1
	Xerces 1.2.0 - DOM and SAX parsers
	org.w3c.dom interfaces
	org.xml.sax interfaces
LIBRARIES	antlr 2.7.0 - runtime classes of antlr compiler construction toolkit
	bsh 1.2b3 - bean shell
	certicom - SSLPlus/Java 3.1.12B (used by Node Manager)
	netscape - Netscape Directory SDK 4.1 for Java
	Oracle 8.1.6
	Oracle 8.1.7
	Apache Jakart Ant - 1.3 Apache build system
	Apache Jakart Oro 2.0.6 - regular expression matching library

WebLogic Server 6.1 Service Pack 2 Solutions

The next sections describe problems that were resolved in WebLogic Server 6.1 Service Pack 2.

EJB

Change Request Number	Description
044294	Fixed a memory leak that could occur when creating multiple entity beans; the garbage collector was not reclaiming all of the used memory.
049590	The <code>ejbc</code> compiler now will produce IDL files in the correct order, putting primitive value types before non-primitives.
049709, 055644, 059540	<p>Previously, due to timing problems, exceptions/errors were thrown when EJBs were deployed in a cluster and then a re-deploy or un-deploy was attempted.</p> <p>It was possible that an undeploy JNDI message would arrive after local undeploy had taken place. This would cause unmarshaling errors, as the classloader for an EJB is discarded once local undeployment of an EJB is done. This unmarshal problem would result in <code>DistributedManagement</code> exceptions popping up in log files, and the EJB could never be un-deployed from a cluster.</p> <p>Similarly it was possible that a JNDI binding announcement would arrive before local deployment was successful, resulting in same unmarshaling/ de-serialization errors (as EJB classes required to unmarshal are not there yet).</p> <p>Fixes in 6.1 Service Pack 2 take care of both these problems and remove any timing dependencies in local deploy/undeploy and JNDI Announcements. Now you can successfully deploy/undeploy/redeploy EJBs in a cluster without any exceptions and problems due to race conditions.</p>
051454	In the case where an EJB has been idle longer than the value of <code>idle-timeout-secs</code> , it is removed from the cache and <code>ejbremove()</code> is called.
055113	The <code>examples\ejb\basic\statelessSession\build.xml</code> file had a typo where the name of the EJB jar file was misspelled. This has been fixed.
055163	Fixed a problem with stateful session beans that are configured with in-memory replication across a cluster. The bean was failing over when an <code>EJBException</code> was thrown, but not when the bean was removed.
055502	A message-driven bean now recovers messages after an application throws an exception.
055510, 056543	Fixed problems with container-managed persistence 1.1 EJBs not re-reading deployment descriptors after being redeployed.
057119, 054806	Fixed an out of memory problem that occurred when redeploying EJBs several times over; the <code><max-beans-in-free-pool></code> descriptor was being ignored and exceeded.

058210	The <code>ejbRemove()</code> method is now invoked at undeployment for both stateful session beans and stateless session beans with both home and remote interfaces.
058857	Fixed problem where entity beans weren't being recognized if the home didn't have a <code>create()</code> method.
059043	<code>ejbc</code> no longer complains when the <code>EJBLocalObject()</code> method has a throws exception clause that does not throw a <code>RemoteException</code> .
059046	Accessing a stateful session bean from a stateless session bean in a cluster no longer fails.
060018	Accessing a <code>ReadOnly</code> EJB with container managed relationships no longer causes a <code>LockTimeout</code> exception.
055842	Fixed a problem where a message-driven bean could not access a remote queue on another physical machine because it the client could not be authenticated.
058074	Storing a reference to an EJB local interface in an instance field in a stateful session bean no longer causes an assertion error during passivation.
053523 and 060032	Fixed a problem where the guess method <code>getURL()</code> in <code>weblogic.ejb20.internal.BaseEjbHome</code> was using a non-secure port when the protocol was <code>t3s</code> and <code>https</code> .
054335	Removing a <code>ReadWrite</code> entity bean now invalidates its corresponding <code>ReadOnly</code> entity. Previously, the <code>ReadOnly</code> entity would remain cached.
059674	Using a read-only bean-managed persistence entity bean no longer calls <code>ejbLoad()</code> twice when the bean has been loaded via a finder.
060142	Fixed a problem in the <code>getEJBHandle()</code> method such that failover is now working in a 2-node cluster.
060416	Fixed a problem where performing an EJB lookup in a tiered environment caused a <code>ClassCastException</code> to be thrown when the EJB Home object was cast to its specific type.
061883	Fixed a problem where reentrant calls to read-only beans failed because of a lock timeout.
062515	The <code>findByChar(char c)</code> method no longer fails for a container-managed persistence EJB home.

Examples

Change Request Number	Description
055155	<p>A problem was fixed in the following sample file: <code>ejb20\cascadeDelete\one2many\table.ddl</code></p> <p>The problem resulted in a “SQL not properly ended” error message (error number 933).</p>
055370	<p>Broken links are now fixed in the following examples under <code>wlserver6.1\samples\examples\jsp\</code>:</p> <p><code>SimpleSession.jsp</code> <code>URLEncode.jsp</code></p> <p>For <code>SimpleSession</code> the link on Session Timeouts was missing. For <code>URLEncode</code> the link Writing Web Application Deployment Descriptors was missing.</p>
056711	<p>Building the <code>wtc/simpFML32</code> example no longer generates a warning about container transactions.</p>
057237 and 056063	<p>The RMI-IIOP C++ examples have been fixed to work on UNIX platforms. They are located in the following subdirectories:</p> <p><code>/samples/examples/iiop/ejb/entity/tuxclient</code> <code>/samples/examples/iiop/ejb/stateless/server/tux</code> <code>/samples/examples/iiop/ejb/stateless/tuxclient</code> <code>/samples/examples/iiop/rmi/server/tux</code> <code>/samples/examples/iiop/rmi/tuxclient</code></p>

JDBC

Change Request Number	Description
055044	<p>Dynamically created connection pools are no longer treated as persistent within the <code>config.xml</code>.</p>

055435	The JDriver for Oracle now retrieves the correct number of 'null' values when it queries the database and the database has more than 500 rows.
056268	When trying to execute SQL queries with the language set to Russian, the use of hyphens in the timestamp no longer contain error causing hyphens.

jDriver

Change Request Number	Description
046149	Fixed a problem where when WLS wrote a multibyte string to a CLOB or NCLOB column, it wrote an incorrect string length.

JMS

Change Request Number	Description
055293	JMS default connection factories are now properly bound as a function of the <code>JMSDefaultConnectionFactoriesEnabled</code> property in the <code>config.xml</code> file. Previously, if no other JMS objects (<code>JMSConnectionFactory</code> , <code>JMSServer</code>) were defined on a given WebLogic Server, then the default connection factories were not bound into JNDI.
056320	Fixed problems in JMS with an error deserializing an object in the case of using a <code>Topic</code> to send a string as an <code>ObjectMessage</code> and then sending a <code>RemoteObject</code> stub as another <code>ObjectMessage</code> .
061783	Fixed a problem that occurred when trying to simultaneously deploy instances of different message driven beans that subscribe to the same JMS topic. Previously, one or both beans would stop working.

Miscellaneous

Change Request Number	Description
036679	The Administration Console now functions correctly when resizing the Netscape browser frames on Solaris.

041873	Fixed problems with the <code>weblogic.policy</code> file when users started up the server with <code>-Djava.security.manager</code> . Even when the user had correct permissions, a <code>java.security.AccessControlException: access denied exception</code> was being generated.
041991	When attempting to get the <code>MBeanHome</code> from the <code>RemoteMBeanServer</code> , an application no longer receives "null".
043010	If WebLogic is running as a Windows service it will no longer shut down when you log out of the Windows session that the server is running in.
050437	When running under WebLogic Express, WebLogic no longer prints out: <code><Error> <JMS> <JMSServer "null", JMS license validation failed, com.bea.utils.misc.NoSuchProcessException: No such license: WebLogic Server 6.1, JMS.></code> . This message was misleading and harmless.
053732 and 054781	<p>Introduced a <code>-delay</code> option to the <code>beasvc.exe</code> utility which ensures that Managed Servers only start up provided that an Administration Server is already running. The new <code>-delay</code> option lets users delay the Managed Server's JVM thread execution for a specified number of milliseconds.</p> <p>Previously, a Managed Server failed to start up because it depended on a running Administration Server.</p>
053990	The Node Manager will now load up servers that have whitespace in their names.
055007	WebLogic Server now implements a throttling mechanism to reject outstanding requests after a certain limit. Previously, the <code>acceptBacklog</code> value was not effective in limiting the number of new connections that could possibly overwhelm the server.
055442	Fixed a problem involving sending XML over HTTP. The problem was that WebLogic Server was erroneously calling the <code>getInputStream()</code> method.
056332	Fixed a problem causing an <code>IllegalStateException</code> when calling a RPC-style Webservice.
057091	Fixed a problem with applets in Internet Explorer, where 'didn't meet stated Content-Length' errors were being thrown because the content length check was being performed at the wrong time.
058832	Fixed a problem where <code>HttpSession</code> failover service failed and a session was lost if a client accessed the session just when a primary server was shutting down. This occurred only in a two-server cluster.

2 *Resolved Problems*

059119	<p>Fixed a problem where a Java client talking to a WebLogic cluster performed more slowly on a 3-server cluster than on a 2-server cluster. Moreover, performance would keep degrading with addition of more servers until the client ensured that there were at least as many socket reader threads on client as the number of servers in the cluster. This involved configuring Execute Thread count and Percent Socket readers client-side properties.</p> <p>This fix removes the dependency of such a configuration, as the number of servers can grow or shrink dynamically. Now, WebLogic Server creates new threads for socket reading on fly making sure there is one thread per outgoing socket from client. This means customers don't have to tweak those properties for the client for optimal performance when a WebLogic client talks to a WebLogic cluster.</p>
059219	<p>Fixed a problem encountered by wireless application where WebLogic was retrieving the port number from a location that could have incorrect information.</p>
060557	<p>The FileT3 attribute now creates a file with the correct path when the path is targeted to a managed server.</p>
061060	<p>The <code>getTimeout()</code> and <code>setTimeout()</code> methods are no longer missing from the class <code>URLConnection</code>.</p>
056911	<p>Previously, if an entry was added to the manifest Class-Path for a <code>.war</code> file, it would be loaded by the web applications's <code>ClassLoader</code>. With this fix, the application's <code>ClassLoader</code> now loads it. The net effect is that all web applications now share instances of classes loaded from the manifest Class-path, whereas before they all got their own copies.</p>
051220	<p>Fixed a problem where multi-byte system messages in WLS log or console were corrupted and, therefore, unreadable.</p>
054871	<p>The Administration Console now displays a JNDI tree correctly. Previously, deployments were appearing under the wrong context.</p>
057466	<p>Fixed a problem where executing the <code>weblogic.Admin PING</code> command to a server running on Solaris with Japanese locale (<code>LANG=ja_JP.PCK</code>) resulted in a <code>java.net.SocketException</code> displaying on the server.</p>

058786	<p>The Netscape Enterprise Server Plug-In (NSAPI plug-in) enables requests to be proxied from Netscape Enterprise Server (NES, also called iPlanet) to WebLogic Server. The plug-in enhances an NES installation by allowing WebLogic Server to handle those requests that require the dynamic functionality of WebLogic Server.</p> <p>Previously, reading the HTTP header in the NSAPI plug-in resulted in an unexpected EOF: “PROTOCOL_ERROR [line <i>linenumber</i> of <i>filename</i>]: unexpected EOF reading HTTP headers at line <i>linenumber</i>.</p> <p>The underlying problem proved to be with parsing large cookies.</p> <p>This problem is now fixed.</p>
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061460

You can now configure Weblogic 6.1 to restrict the number of client connections. There are two methods:

1. Edit the `config.xml` file to set the `weblogic.system.openSockCount` parameter, which limits the number of permitted connections:

```
<Server ListenPort="7001" Name="myserver"
NativeIOEnabled="true"
TransactionLogFilePrefix="config/mydomain/logs/"
MaxOpenSockCount=1000>
```

2. Use `weblogic.Admin` to set the socket count or write a JMX Java client to do so and utilize the API in `weblogic.management.configuration.ServerMBean`, as in this code fragment:

```
/**
 * Returns the maximum number of open sockets allowed
 * in server at a given point of time. When max threshold is reached,
 * server stops accepting any more new requests until no of sockets
 * drops below threshold.
 *
 * @default java.lang.Integer.MAX_VALUE
 * @legalMin 0
 * @legalMax java.lang.Integer.MAX_VALUE
 *
 * @configurable
 *
 * @oldprop weblogic.system.openSockCount
 */

int getMaxOpenSockCount();

/**
 * Sets the maximum number of open sockets allowed
 * in server at a given point of time. When max threshold is reached,
 * server stops accepting any more new requests until no of sockets
 * drops below threshold.
 *
 * @default java.lang.Integer.MAX_VALUE
 *
 * @legalMin 0
 * @legalMax java.lang.Integer.MAX_VALUE
 *
 * @configurable
 *
 * @oldprop weblogic.system.openSockCount
 *
 */

void setMaxOpenSockCount (int sockCount);
```

051882	If <code>web.xml</code> is missing from your web application and you attempt to edit or enter a deployment descriptor through the console, a blank screen no longer appears.
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Plug-Ins

Change Request Number	Description
053641	Now the plug-ins correctly respond to the setting of the <code>KeepAliveEnabled</code> parameter. The <code>Connection: Keep-Alive</code> header was not being sent back to WebLogic when using HTTP 1.1.
055276	There are no longer problems when disabling caching with the ISAPI plug-in.
055750	Fixed problems using <code>MatchExpression</code> with Stronghold versions of Apache.
056628	Fixed a problem that occurred when setting the Apache HTTP Server Plug-In <code>PathTrim</code> parameter. Setting the <code>PathTrim</code> parameter to <code>"/</code> no longer causes the loss of session information.
060064	Fixed a problem where installing the Apache HTTP Server Plug-In as a statically linked module on the Solaris platform generated fatal errors.

RMI over IIOP

Change Request Number	Description
056233	<code>ejb11.security.HomeMethodPermissionTest.testHandleRemoveWith outPermission()</code> no longer fails with an out of memory error.

Security

Change Request Number	Description
060491	Fixed a problem where single sign-on (SSO) did not work when the initial resource in the web application was not a protected resource.

057950	The Certificate Request Generator servlet has been enhanced to better protect private keys. If you generated a certificate and did not supply a string in the Random String field on the form displayed in the Certificate Request Generator servlet, you should generate a new certificate. Refer to http://edocs/wls/docs61/adminguide/cnfgsec.html#1053930 for more information.
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Servlets, JSP and Web Applications

Change Request Number	Description
046879, 057371	A cgi executable now successfully serves an image to the browser (.gif, .jpg or .png format). Previously, attempting to do so resulted in an exception being thrown in the WebLogic Server log.
047698	<p>The <code>IndexDirectoryEnabled</code> property now works correctly for managed servers: both directories and files will be listed.</p> <p>Previously, if <code>IndexDirectoryEnabled</code> was set to “true” for a particular web application and that web application was requested on a managed server, directories were not listed, only files. Also, if files were added or removed from the web application, the changes were not reflected when browser page was updated.</p>
050402	Fixed a problem that occurred when redeploying a web application with a different name. Previously, when a web application was already deployed through the Administration Console and then mbeans were used to programmatically deploy the same .war application under a different name, WebLogic Server would go into an infinite loop.
053513	Fixed a problem where, when using <code>HttpClusterServlet</code> to proxy requests, a page sometimes displayed improperly in the browser.
053706	Fixed problems when <code>AuthFilter</code> is registered in a web application and <code>ServletAuthentication.weak</code> is called. Now, <code>doSuccessAuth</code> is correctly called in <code>AuthFilter</code> when this is the case.
053965	If characters between ASCII 128 and 156 are a part of a URL parameter which is then subject to a <code>response.sendRedirect</code> , the second servlet no longer receives those characters as ASCII 63 and the characters are sent to the second servlet correctly.
054206	<code>weblogic.servlet.internal.ServletRequestImpl</code> —the implementation class of <code>HttpServletRequest</code> —now properly handles “folded” HTTP header lines. Previously, code would be incorrectly parsed.
054211, 055987	You can now configure the lifetime of HTTP persistent connections, through the new client-side properties <code>http.keepAliveCache.lifeTime</code> and <code>http.keepAliveCache.proxyLifeTime</code> . Previously, the lifetime was hardcoded on the client side. This value overrode the server-side <code>keepAlive</code> value and led to scalability problems.

054852	<p>A web application with a configured error handler now redirects to this error handler when JSP1 forwards to JSP2 where JSP2 throws an exception.</p> <p>Previously, the server returned a blank page and showed a status code of 200. The server logged the exception, but the client did not see it.</p>
054898	<p>Fixed a problem with JSP pages using <code>Authfilter</code> and <code>doSuccesAuth</code>, where the first JSP page is in a series of JSP pages that are contained within different web applications.</p>
055333	<p>Fixed a JSP compilation problem when using a <code>contentType</code> tag in the middle of the JSP rather than in the beginning.</p>
055466	<p>Fixed a problem with servlet filters unable to call EJBs and causing <code>ClassCastException</code>s.</p>
055535	<p>Fixed a problem where, when using the JSP refresh tool, the file distribution servlet was copying files to the wrong location.</p>
055583	<p>When implementing <code>TryCatchFinally</code> in a JSP custom tag, the correct java code is now created upon compilation.</p>
055595	<p>WebLogic Server now resolves tag library URIs in JSPs.</p>
055636,56265	<p>When using a <code>getParameter()</code> method in a JSP, if the value entered is empty, null is no longer returned. Now an empty string is returned. This fixes certain problem with leaving out equal signs in a query string.</p>
056092	<p>The JSP compiler no longer complains erroneously of duplicate variable declarations.</p>
056189	<p>WebLogic Server now supports clients using “Transfer-Encoding: Chunk”, i.e., the client no longer needs to send the “Content-Length” Header if “Transfer-Encoding: Chunk” is used in the post request.</p>
056322	<p>Intermittent RMI errors are no longer thrown when two different servlets in separate web applications attempt to access the same EJB.</p>
056668	<p>When a parameter is empty, the <code>getParameter()</code> method now returns “empty” instead of “null”.</p>
056955	<p>Fixed a problem where the post data from a request was lost after a <code>forward()</code> (one servlet forwards the request with post data to another) when a web application had <code><charset-param></code> defined in its <code>weblogic.xml</code> or <code><context-param></code> defined in its <code>web.xml</code>, the post data from a request is lost after a <code>forward()</code>.</p>

2 *Resolved Problems*

057101	Fixed a problem where the <code>getParameter()</code> method was not returning the first of multiple values when including a JSP. Previously, the second value was being returned instead of the first.
057279	Fixed a discrepancy in behavior between exploded directory and packaged web applications. In an exploded directory scenario, classes were being loaded in the incorrect order with <code>WEB-INF/lib</code> classes being loaded before those in <code>WEB-INF/classes</code> .
057620	Special characters such as '+' and '&' are now decoded correctly when the codeset encoding is 'UTF8'.
057684, 057559	A <code>ClassCastException</code> no longer occurs when calling <code>PortableRemoteObject.narrow()</code> when an applet is a client to an EJB.
058125	The <code>client.jar</code> that is generated for web services is now compatible with JDK 1.2 java clients.
058187	Fixed a problem with <code>weblogic.deploy</code> where a JSP refresh was failing; a new directory added to an exploded directory application was not being propagated to the managed servers and hence refresh was failing.
058220	The servlet error <code>java.lang.NullPointerException</code> at <code>servlet.internal.ChunkOutput.clearBuffer</code> no longer occurs when trying to send a SOAP request.
058352	You can now access web applications with one-character names, such as "i.war." Previously, although such an application would deploy, access would fail with a 404 error.
058714	Fixed a problem where a <code>.gif</code> image was improperly displayed when streamed through a <code>cgi-bin</code> executable versus when the image was 'streamed' directly via the web container.
058738	The HTTP version is now maintained correctly in a response header when the request is sent via HTTP 1.0.
058931	Deleting a JSP now results in a 404 error instead of a 500 error.
059054	Fixed a problem where WebLogic Server failed to parse "," separators in cookies, resulting in new sessions erroneously being created.
059180	Fixed a problem where WebLogic Server was overwriting an existing cookie created by another entity, rather than simply adding its own cookie.

059412	Fixed a servlet problem where if you called <code>session.removeAttribute()</code> twice, then called <code>session.setAttribute()</code> once, one <code>removeAttribute</code> remains rather than both removes being overridden.
060192	Fixed a problem where requests were not pinned to a primary server and sessions were lost when using URL rewriting to track sessions. (Cookies were disabled on the browser.)
060536	Fixed a problem where <code>jspc</code> was erroneously exiting with an exit code of SUCCESSFUL.
060595	Fixed a problem where WebLogic Server threw a <code>ClassCastException</code> with nested JSPs when using a filter that wrapped the <code>HttpServletRequest</code> .
060615	Fixed a problem where session ids were not consistent across web applications. Now, each web application sees a single, consistent session id for a given user's session.
060963	WebLogic Server no longer reuses a sessionid when the web application is not participating in single signon.
061277	(JSP 1.1) javac compile error messages are no longer corrupted on a Japanese platform.
061387	Fixed a problem where WebLogic Server created a new session every time the page was requested, when the JSESSIONID cookie was sandwiched between two user defined cookies.
061488	Fixed a problem where request parameters were parsed incorrectly when a "=" was used in the value.
066184	In 6.1 SP1, the default encoding used for servlets and JSPs was the JVM default. As of 6.1 SP2, the default encoding has been changed to ISO8859_1. This change is in accordance with the latest servlet specification. Servlet Specification 2.3 SRV 4.9 states that the default encoding should be ISO8859_1.

System Administration

Change Request Number	Description
045780	<p>Multiple server definitions with the same name are now disallowed. If you have started a server and then attempt to start up the second server with the same name, the server startup aborts, with this error message:</p> <p>"Server: <yourservername> already exists, make sure that you do not have duplicate copies of this Server name in your XML config file"</p>
055190	<p>Fixed a problem where JSP refresh failed if the application was targeted to a cluster. Previously, you could not add new JSPs or change or delete existing JSPs from a running web application without having to undeploy and redeploy the application.</p>
056091	<p>A new procedure is available to restart an Administration Server on a different machine while Managed Servers are still running. For more information, see the section “Failover Considerations for the Administration Server” at http://e-docs.bea.com/wls/docs61/adminguide/startstop.html#failover.</p>
058946	<p>Fixed a problem where precompiled JSP's on a Managed Server would recompile even without if the pages hadn't been modified. As a result it took a long time to start up the Managed Server.</p> <p>With this fix, if classes are already compiled on an Administration Server, when the Managed Server starts up the classes are shipped and their timestamps are preserved, to the Managed Server will not try to recompile them.</p>
054624	<p><code>weblogic.deploy</code> now behaves as expected when its <code>-component</code> option is invoked.</p> <p>Previously, it did not behave as expected when using the <code>-component</code> option: the application was unintentionally deployed to a server that was not in the component list of servers.</p>
054573	<p>Fixed a problem where any configuration error involving a <code>JDBCConnectionPool</code>, <code>MultiPool</code>, or <code>(Tx)DataSource</code>, did not get reported in an error dialog in the console. Rather, it appeared to be correctly configured.</p>
058183	<p>Fixed a problem where WebLogic Server was deploying <code>.war</code> files before <code>.jar</code> files. At server startup, a web application would deploy before an EJB, resulting in a <code>NameNotFoundException</code>.</p>

059702	<p>Fixed a problem where web applications could not be deployed when network cards were disabled.</p> <p>Previously, WebLogic Server would try to validate with the DTD at http://www.bea.com/servers/wls610/dtd/weblogic-web-jar.dtd. When it cannot reach www.bea.com, it failed. Now, when there is no network access, the server find <code>weblogic-web-jar.dtd</code> in <code>weblogic.jar</code> and continues.</p>
060244	<p>Fixed a problem where, when using the Administration Console to target a cluster for just one application, individual servers were also pulled into the target list. With this fix, the cluster is no longer expanded to a list of servers.</p>
061642	<p>Fixed a problem with converting a 5.1 <code>weblogic.properties</code> file to a 6.1 <code>config.xml</code> file. The conversion utility was not converting the password for the <code>JDBCConnectionPool</code> correctly. As a result, attempts to start the server in the new domain failed.</p>
055067	<p>Fixed a problem that caused web applications that had dependencies on classes in <code>EJB.jar</code> files not to deploy when precompile was turned on.</p>
060411	<p>(EJB 1.1)</p> <p>Fixed a problem where a second call to a required EJB transaction method cause the transaction to roll back. The first call removed some entities and then created some. The second call removed the previously created entities and then created some new ones.</p>
042052	<p>Fixed a problem occurring in migration from one release to another: the <code>weblogic.properties</code> file was not converting completely, such that the <code>web.xml</code> file of the web application did not contain all of the properties.</p>
061300	<p>Fixed a problem where the WebLogic Server console was executing in the default queue (a lower priority queue) instead of “<code>__weblogic_admin_html_queue</code>” (a higher priority queue). This compromised the console’s ability to respond when the server was experiencing heavy load.</p>

Web Services

Change Request Number	Description
055415	There is no longer an interoperability problem when using the SoapWare test specification and the UserLand client (reference implementation).
054749	It is no longer true that when using the <code>wsgen</code> Ant task to assemble a stateless session EJB into an rpc-style Web Service, <code>wsgen</code> fails with a parsing error if the package level of the EJB contains only one level, such as: <code>package mytest ;</code>
055645	The <code>Remote2WSDL</code> class, used to assemble a WebLogic Web service manually, now correctly includes a <code>protocol</code> option for specifying a protocol other than http, such as https.
056332	Previously, if an exception occurred while WebLogic Server was processing a SOAP request to invoke a WebLogic Web service, the WebLogic Server executed the <code>ServletResponse.getWriter()</code> method twice. This in turn created another exception. This does not happen anymore.
056382	WebLogic Web services now support the <code>xsd:decimal</code> data type.
056631	WebLogic Web services now support the <code>xsd:hexBinary</code> data type.
056639	You no longer get an error when you use the WebLogic Web services client API to invoke an rpc-style WebLogic Web service whose stateless session EJB has security constraints defined for it in the <code>ejb-jar.xml</code> and <code>weblogic-ejb-jar.xml</code> files.
058230	The WebLogic Web services client API now correctly constructs a complex Java object on the client side after receiving the object inside a SOAP request. This complex object consists of an array of JavaBeans, one of whose attributes is itself an array of a different type of JavaBean.
058431	WebLogic Web services now correctly return nested array data type values.
059653	When using <code>Remote2Wsd1</code> to manually assemble Web services, you can now specify the <code>context</code> and <code>jndi_name</code> part of the URL equivalent to the <code>location</code> attribute of the <code><soap:address></code> element of the WSDL. This means that you can now successfully invoke a method on the Web service proxy obtained from the WSDL.

WebLogic Tuxedo Connector

Change Request Number	Description
055889	A <code>TPReplyException</code> thrown with <code>TPESVCFail</code> from WebLogic Tuxedo Connector will now be received by the Tuxedo Client.
057150	<code>WTCValidateCF</code> utility no longer throws an error when validating a configuration file that has <code>FldTblClass</code> elements.

XML

Change Request Number	Description
044211	The <code>xmlx.jar</code> file now correctly contains the <code>HTMLEntities.res</code> resource file.
046934	<p>The built-in SAX parser now correctly parses deployment descriptor files that are written using any character set.</p> <p>Warning: Prior to this fix, WebLogic Server would have failed to detect encoding problems in your <code>.xml</code> files for English-only applications. Consequently, English-only applications that ran without fail in the past may now fail with this Service Pack 2 fix; WebLogic Server will report an encoding-not-supported error.</p> <p>If WebLogic Server reports this error, check the specified <code>.xml</code> file for the correct encoding name and syntax.</p>
055082	The <code>XSLTInfo.properties</code> file in the <code>weblogic.jar</code> archive is now correctly called <code>/weblogic/apache/xalan/res/XSLTInfo.properties</code> rather than the incorrect <code>/org/apache/xalan/res/XSLTInfo.properties</code> , causing transformations to work correctly and not throw a <code>SAXException</code> .
056839	The <code>weblogic.apache.xalan.serializer.Encodings</code> class now contains the correct mapping between MS932 and Shift_JIS.
062320	The WebLogic FastParser now parses very large strings (> 1MB) in seconds rather than minutes.

WebLogic Server 6.1 Service Pack 1 Solutions

The next sections describe problems that were resolved in WebLogic Server 6.1 Service Pack 1.

Deployment Descriptor Editor

Change Request Number	Description
041479	Fixed a memory leak that was occurring during updates (redployment of) J2EE applications.
048757	Removed all yellow caution icons that were next to deployment descriptor editors on the console.
048804	The Container Transaction Trans Attribute no longer has the '(none)' option for the EJB deployment descriptor editor in the console.
049465	In the console EJB deployment descriptor editor, the display name for the Weblogic RDBMS Jar is derived from the filename where the descriptor was read.
051858	All RDBMS descriptors referenced in the <code>weblogic-ejb-jar.xml</code> file are now available in the deployment descriptor editor.
051939	Fixed the <code>ejb-jar.xml</code> parsing code to accept <code>Auto-acknowledge</code> and <code>Dups-ok-acknowledge</code> as legal <code>acknowledge-mode</code> elements for Message-Driven Beans.
052613	The link to edit the deployment descriptor is now hidden during application configuration.
052665	If the <code>web.xml</code> file has a valid element called <code><run-as></code> , it is no longer lost when using the deployment descriptor editor.
052804	The <code><charset-params></code> entities and all child entities are now persisted to the <code>weblogic.xml</code> file by the deployment descriptor editor.
052963	Access to the deployment descriptor editor for <code>.war</code> , <code>.jar</code> , or <code>.rar</code> files no longer exists in the component table of the console.
053089	The deployment descriptor editor now indicates that the Primary Key that is used with the Automatic Key Generation feature must be of Java Type: <code>java.lang.Integer</code> .

2 *Resolved Problems*

053098	Added a legal values list to the MessageDrivenDestinationMBean's SubscriptionDurability attribute. Removed the SubscriptionDurability attribute from the MessageDrivenMBean and removed the SubscriptionDurability property from MessageDriven.jsp.
053282	Added the exclude-list tag to the EJB 2.0 deployment descriptor editor.
053375	The deployment descriptor editor is no longer blank after a modified bean is redeployed using the check box in the console.
054682	When persisting EJB deployment descriptor settings from the deployment descriptor editor, the contents of all description elements are now enclosed in CDATA sections to prevent possible parsing errors.

EJB

Change Request Number	Description
031350	The EJB compiler now correctly validates that a primary key class for an entity bean has all public fields. Previously, the validation existed but was broken.
044294	Fixed a memory leak that was occurring when repeatedly creating entity beans.
047050	If a message-driven bean's <code>onMessage</code> throws an unchecked exception, rolling back the transaction is now called instead of <code>setRollbackOnly</code> .
048506	Fixed a memory leak where multiple beans were created and not removed.
048716	EJB compliance error messages now indicate which bean is faulty.
049180	<code>EntityPool</code> did not call <code>unsetEntityContext()</code> when asked to release a bean. This has been fixed.
049658	Fixed a problem with using arithmetic operators with input parameters in <code>ejb-ql</code> . Capability was added for these three symbols: <code>+</code> <code>-</code> <code>/</code>
050134	The <code>weblogic.ejbrc</code> debug flag is now working. To compile with debugging, use <code>-g</code> instead of <code>-debug</code> . For example: <code>java weblogic.ejbrc -g foo.jar bar.jar</code>
050860	The <code>DDConverter</code> now generates <code>ejb-ql</code> with updated syntax for the <code>cmp20</code> bean.
051528	Added an optional <code><description></code> tag element in the <code><weblogic-query></code> tag in <code>weblogic-rdbms20-persistence-600.dtd</code> , so you can describe your query.
051653	Fixed a problem with SQL query generation in a many-to-one relationship where the primary key field is part of the foreign key.
051670	When an EJB that referred to another EJB's handle was passivated, a <code>ClassCastException</code> was thrown. This has been fixed.

2 *Resolved Problems*

051735	The EJB compiler was not recognizing the <code>-j</code> option when the compiler was specified as <code>sj</code> and hence was failing to execute the command. This has been fixed.
051803	The compliance checker now disallows <code>local</code> or <code>local home</code> to be passed as a parameter type or return type for the remote interface. See section 10.3.10.1 in EJB spec for more detail.
051807	The compliance checker no longer allows remote and local components to share the same CMR mapping.
051875	The XML generator no longer ignores values that are explicitly set. Even if the values are equal to their default values, they are generated.
051941	Fixed a problem with the EJB container that involved improper handling of a business method named <code>remove</code> .
052075	<code>SELECT DISTINCT</code> is now working when an <code>ejbSelect()</code> returns a collection of fields.
052502	Changes to EJB deployment descriptors are now picked up when EJBs are redeployed through the Deploy checkbox in the console.
053093	When the auto create tables feature is turned on, sequence tables are now generated.
053096	The <code>ejbSelect</code> method is now returning a set of local beans instead of returning a set of bean instances.
053101	Compliance checker no longer gives the wrong value for <code><acknowledge-mode></code> .
053287	The following entry in the <code>ejb-jar.xml</code> file no longer causes the entire file not to load: <pre><message-driven-destination> <destination-type>javax.jms.Topic</destination-type> <subscription-durability>Durable</subscription-durability> </message-driven-destination></pre>
053596	The Number of Active StatelessSessionBeans is no longer allowed to exceed the <code>max-beans-in-free-pool</code> setting.
053599	Improved the ability of the EJB DDInit tool to determine bean classes.

053643	If an EJB without a local interface calls <code>SessionContext.getEJBLocalObject()</code> , an <code>IllegalStateException</code> is now being thrown.
053646	When validating an <code>ejb-jar.xml</code> file, the compliance checker and XML validator now refer to “relationship-role-source” instead of “role-source” to comply with a change in the EJB specification.
053735	A null pointer exception is no longer thrown in <code>StatefulSessionManager</code> when invoking local method.
053768	Updated the deployer so that it does not look for the <code>weblogic.EJB20Enabler</code> class to enable EJB 2.0. Also, removed license error messages referencing a separate download because they are now irrelevant.
053801	A Compliance Checker error is no longer thrown when a message-driven bean's class does not contain an <code>ejbCreate()</code> method but its superclass does.
053827	The <code>DDConverter</code> utility can now be accessed using <code>java weblogic.ejb20.utils.DDConverter</code> as documented.
053884	If an <code>ejbPostCreate</code> method was defined with a throws <code>CreateException</code> and if <code>SQLServer AutoKey Generation</code> was enabled, the generated code was incorrect. This has been fixed.
053905	When you use EJB2.0 BLOB/CLOB mapping on an <code>UPDATE</code> , if the <code>UPDATED</code> field was shorter than the original field, the newly <code>UPDATED</code> result no longer contains the left-over data from the original field.
053944	Fixed the exception handling code so that if a stateless session EJB's constructor was throwing a <code>RuntimeException</code> or <code>RuntimeError</code> , the caller's <code>java:comp/env JNDI</code> context was correct after accessing the EJB.
053970	Default role and relation names are now generated, making it possible to set up EJB 2.0 relationships without setting the <code>ejb-relation-name</code> element in the relation declaration of the <code>ejb-jar.xml</code> descriptor.
053986	The descriptor <code>mbean</code> is now consistent regarding XML case sensitivity.

2 *Resolved Problems*

054021	An assertion error is no longer thrown when a clusterable entity bean is called from a non-clusterable EJB.
054225	Fixed a problem with <code>ear</code> file deployment when it contains a circular reference in the <code>Class-Path</code> entry of the <code>Manifest.mf</code> file in jar files.
054449	The code generated for EJB 2.0 entity beans that use container-managed persistence was changed to work around a limitation in Oracle. A <code>cmp</code> -field that is mapped to an Oracle <code>LONGRAW</code> column can now have a length greater than 4096 bytes.

Examples

Change Request Number	Description
045300	Added new JTA example that uses both Oracle's thin driver and JDriver. This example involves two database instances. For each database, the user must set up a single table and create a new transactional connection pool and a new transaction datasource. This example uses J2EE 1.3 features which use non-final API specifications.
048031	<p>Clarified the instructions, syntax, and examples for specifying the cluster address and the listen port when invoking the example clients. Two files changed:</p> <pre> ... \samples\examples\cluster\ejb\package.html ... \samples\examples\cluster\rmi\package.html </pre>
050429	Standardized table creation sql script to be vendor independent.
051476	A problem was fixed in <code>examples/ejb20/bands.demoPool</code> connection pool now points to <code>oraclePool</code> connection pool.
051491	Corrected the reference and example code in the <code>examples/jta/jmsjdbc/build.xml</code> file.
051714	A problem was fixed in <code>examples/ejb/sequence/mssqlserver/package-summary.html</code> . <code>demoPool</code> connection pool now points to an <code>mssqlserver</code> connection pool.
052595	The second compilation of the <code>i18n.logging.message</code> directory is no longer producing errors.
052689	Fixed a problem running more than one client using Petstore.
053008	Corrected information in the SSLClient example document. Now, there is no reference to a <code>production_apps</code> directory as the applications directory and, the <code>SnoopServlet</code> is located in the <code>/WLS_HOME/samples/examples/jsp</code> directory, not in the <code>/WLS_HOME/config/examples/jsp</code> directory.

2 *Resolved Problems*

053463	The logging internationalization examples no longer have broken links.
053466	<p>WL_HOME/samples/examples/i18n/logging/package-summary.html now contains a link to</p> <p>WL_HOME/samples/examples/i18n/logging/message/Us erSMessagesServlet.html.</p> <p>The "Setting up your environment", "examplesweb application", and "Start the WebLogic Server with the examples configuration" links in</p> <p>WL_HOME\samples\examples\i18n\logging\message\Us erSMessagesServlet.html now correctly go to</p> <p>WL_HOME\samples\examples\examples.html.</p>
053383	Added a set-up step that was missing from the JSP Form validator example.
053396	The wireless stockDemo example is now returning a live quote instead of an outdated quote.
053525	Starting the default server in mydomain in development mode was causing the Defaultweb application and certificate.war file in the applications directory to be deployed twice.
053852	Updated DOCTYPE to register latest version of DTDs.
053871	Modified build script to compile JSPs consistently across all platforms.
054963	The generated startscript for migrated domains is now consistent with other scripts.
056080	Fixed a problem that was resulting in the examples\i18n\logging\message build script failing.
056114	Added literal encoding to fix a problem with the message webservice sample.
056347	Petstore Shopping cart EJB no longer uses clustering.
056495	Removed the time example.

JDBC

Change Request Number	Description
034041	Added the capability to rotate the JDBC log based on date. You can specify how often the log file should be rotated and when rotation should begin. The current <code>jdbc.log</code> file is has the most recent date timestamp at the end of the file name.
034046	It is no longer possible to create data sources based on multipools containing mixed XA and non-XA-aware connection pools because it could result in incorrect transactional behavior.
035380	It is now possible to dynamically create a JDBC DataSource using JMX APIs in addition to using the properties file.
042924	Creating a <code>TxDataSource</code> that points to a multipool now works. Previously, doing so resulted in a <code>ResourceException</code> .
045991	When you define a connection pool in the console by specifying a login and password as part of the URL instead of as properties, an exception is no longer thrown.
049963	Added a description to the javadoc comments for <code>JDBCConnectionLeakProfile</code> and <code>JDBCStatementProfile</code> interfaces that serve the connection pool runtime MBean.
051058	Changed checking of the "reserve" ACL to "admin" ACL in <code>weblogic.jdbc.common.internal.ConnectionPool.startup(Deployment MBean)</code> .
051165	Added reset methods to corresponding profile so that profile storage can be reset pragmatically to initial zero size.
051371	The <code>weblogic.Admin</code> JDBC usage message now includes connection pool commands.
052540	The size of the <code>PStatement</code> cache is now handled explicitly through the Administration Console and through the <code>JDBCConnectionPoolMBean</code> . Setting size of the <code>PreparedStatement</code> cache via database properties is deprecated.

2 *Resolved Problems*

052960	The getter and setter methods for <code>HighAvailability</code> and <code>LoadBalance</code> in <code>JDBCMultiPoolMBean.java</code> are now deprecated. They are replaced by the <code>AlgorithmType</code> getter and setter methods.
053085	Added synchronization to the <code>close()</code> and <code>isClosed()</code> methods in the JDBC pool driver's <code>Connection</code> class.
053721	The <code>getPoolList()</code> method still exists in <code>JDBCMultiPoolMBean</code> in 6.1 and is documented in the javadoc.
054187	Upon multiple invocations, the <code>PreparedStatement</code> query no longer returns an incomplete <code>ResultSet</code> .
055655	JDBC driver DLL for Oracle 8.1.6 is no longer broken.

JMS

Change Request Number	Description
051938 & 053464	If a destination becomes unavailable, producers can now properly detect them as unavailable (<code>peerGone</code>) and will send and receive exceptions while the destination remains unavailable. Once the destination becomes available, producers will recover and resume working properly.
053635 & 054655	To get the proper transaction semantics, applications should always use an XA connection factory when inside an EJB. Furthermore, the default connection factory used by Message Driven Beans (MDBs) is now an XA connection factory. To configure user-defined connection factories used inside of an EJB as XA, use the Administration Console to select the XA Connection Factory check box (<code>XAConnectionFactoryEnabled="true"</code>) under the Configuration-Transactions tab under the Connection Factories node.
053649	WebLogic JMS was only acknowledging messages up to and including the message being acknowledged. It now acknowledges all messages (unless the Acknowledge Policy attribute is set to Previous).
054154	When a message is serialized outside of JMS (pass by value to an EJB or an RMI call), the destination is no longer dropped.
054365	The behavior of the pro-active assignment of messages performed by session pool connection consumers has been corrected. Regardless of the <code>messagesMaximum</code> setting on the connection factory, a connection consumer will consume at most the <code>connectionConsumer.messagesMaximum</code> setting to any given session.
055364	When attempting to set properties on a message that is received in read-only mode, users can now call the <code>clearProperties()</code> method to make the properties writable. Previously, if a received message had no properties to clear, <code>clearProperties()</code> would not make the properties writable.
056556	When multiple subscribers are created under the same session, asynchronous subscribers no longer hang after receiving the first message.

JTA

Change Request Number	Description
024199	The JTA driver no longer requires read permission in the top level workspace.
048979	Fixed the JTA race condition that caused the following error if multiple clients used the same resources simultaneously: <code>Unable to create resource runtime mbean</code>
050789	The auto-update interval for picking up applications deployed in a domain appears under Domain options and no longer appears under JTA Subsystem.
050849	Improved JTA resource health monitoring. There is now a distinction between an unhealthy/blocked transaction and an unhealthy resource. Once a resource is marked dead, a general mechanism informs the resource provider so that it can refresh itself. Hard-coded constants, such as the two-minute interval (after which an unresponsive resource is declared unhealthy), are now configurable.
051631	Using prepared statements with <code>testConnectionOnRelease</code> results in an <code>SQLException</code> for the Weblogic OCI XA driver.
051673	Heuristic exceptions are no longer being reported inconsistently in single versus multiple server configurations.
053638	A work-around is provided for the Oracle XA driver limitation that results from accessing the same database instance from multiple servers.
054513	Fixed checked transaction behavior check.

Miscellaneous

Change Request Number	Description
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032447 & 054281	WebLogic Server no longer prints to the server log "Emergency," "Critical," and "Alert" messages that directly pertain to shutdown when the server is intentionally shut down by an Admin user.
047596	When the SHLIB environment variable is not defined, WebLogic Server no longer fails to find the performance pack when started.
048222	The console monitoring graphs are now working in Netscape 4.75.
048524	The <code>LoginContext</code> class always threw a <code>LoginException</code> with the message "Authentication Failed" regardless of the exception thrown by the underlying custom <code>LoginModule</code> implementation. The <code>LoginContext</code> class now propagates the exception thrown by the <code>LoginModule</code> implementation.
049668	The Service Pack installer can now delete empty directories.
050345	Now, there can be multiple versions of either the <code>il8n_user.properties</code> file or the <code>weblogic/msgcat/il8n.properties</code> file. This feature allows users to place their message information more flexibly and to update the system messages if necessary.
050385	Added the reset connection pool option to the console for Jolt connection pool. This option is also available in WebLogic Server 6.0 SP1 and SP2.
050489	It is now possible to pass an argument that contains a comment into the startup class without the parser splitting the value into two arguments.
050517	<code>OBJ_ADAPTER</code> is no longer thrown when a valuetype is passed to a CORBA server on Solaris.
050888	Fixed network classloading for classes stored in the server's classpath. Previously, a <code>ClassNotFoundException</code> was thrown in the client while the client unmarshalled objects of those classes.
051297	Improved the <code>ZipException</code> message when the application path is misconfigured.
052146	Fixed a problem with weight-based load balancing.

2 *Resolved Problems*

052349	Fixed a password-related problem that arose when migrating to WebLogic Server 6.1 from WebLogic Server 5.1 SP7 or later. Previously, if you had LDAP configured in <code>ldaprealm.properties</code> , after running the <code>weblogic.properties</code> file conversion, you had to add the password for the LDAP server to the <code>config.xml</code> file manually. This is no longer required.
052567	Added a detailed error message to be used if the performance pack is missing.
052666	Corrected the error message that relates to the <code>startNodeManager.cmd</code> script which is started from the <code>WL_HOME/config</code> directory. The error message now points to the correct directory.
053308	The Tuxedo server in the <code>simpappcns</code> example can now boot.
053320	Deleted these two examples: <code>time.ServerTimer</code> <code>time.ClientTimer</code> WebLogic Time is deprecated. Use <code>java.util.Timer</code> instead.
053422	Fixed a problem with the Deploy checkbox in the console. If you de-selected this checkbox, the application was not deployed, but the next time the server was booted, the application was deployed anyway.
053426	The conversion utility no longer creates and uses the <code>production_apps</code> directory.
053559	The <code>weblogic.ant.taskdefs.ejb[20].DDInit</code> tool is now better able to determine bean classes.
053584	Merged the Path field and the URI field used in the console when configuring a standalone component.
053617	Client-side rollbacks now release transaction data structures immediately.
053693	The <code>weblogic.net</code> API is now exposed in the <code>javadoc.packages</code> .
053725	The SNMP Agent screen in the console now has a field called "TargettedTrapDestinations" which is of type <code>SNMPTrapDestinationMBean</code> .

053952 and 054777	Fixed problems with starting Managed Servers from the command line. Also, the error log message did not indicate whether the error came before or from the current start-up instance. This has been fixed.
053955	Added %JAVA_HOME\bin to the PATH environment variable in the startNodeManager.cmd script and in the startNodeManager.sh script. Because of these additions, starting a Managed Server via the NodeManager no longer fails if the NodeManager has been started up without "java" in its PATH variable.
054131	In a cluster environment with a ProxyServer (HttpClusterServlet), when calls are made from a client through the ProxyServer, the nodes in the cluster now receive the true client details instead of the ProxyServer's details.
054281	ListenThread no longer fails during WebLogic Server shutdown.
054517	Fixed an HTTP tunneling problem with making RMI calls through user-launched threads on the server.
054608	Added attributes to dialog and table pages of the console for the properties, SNMPAttributeChange and SNMPLogFilter. The attributes provide the option to enable a server for each property.
054673	The snmpwalk command, a command line utility, is now working correctly.
054734	Fixed problems that occurred with the connection pool after the resource adapter threw a CONNECTION_ERROR_OCCURRED exception.
054738	Added support to allow an ear to contain a rar but have the rar's Java classes packaged in a jar that exists in the ear rather than in the rar itself. The classpath entry is now supported in the rar's Manifest.mf file.

2 *Resolved Problems*

054771	<p>When the connection leak detector was in effect, <code>ManagedConnections</code> were automatically destroyed in the time specified by <code>connection-cleanup-frequency</code> and <code>connection-duration-time</code> elements in the <code>weblogic-ra.xml</code> deployment descriptor file. However, if the resource adapter itself recognized that the <code>ManagedConnection</code> was currently active, it had no way to abort the <code>ManagedConnection</code> destruction.</p> <p>The resource adapter can now abort the automatic destruction of a recognized active <code>ManagedConnection</code> by throwing <code>javax.resource.spi.IllegalStateException</code> from a <code>ManagedConnection.cleanup()</code> method call.</p>
054777 and 053952	<p>Fixed problems with starting Managed Servers with the command line. Also, the error log message did not indicate whether the error came before or from the current start-up instance. This has been fixed.</p>
054795	<p>The installer now only permits a single 30-day trial period for a given product or release, service packs included. A license to extend the initial period can be obtained from the BEA Web site.</p>
055090	<p>During various interactions with WebLogic Server, the resource adapter received <code>NoAccessRuntimeExceptions</code> exceptions, which prevented the resource adapter from performing various operations. These access problems have been fixed.</p>
055121	<p>The start script that is generated by the converter tool now quotes <code>%CLASSPATH%</code>.</p>
055681	<p>All <code>nav.jsp</code> files now send out the nav tree in UTF-8 encoding so that the JNDI tree on Solaris can be displayed properly.</p>
056481	<p>Fixed bean deployment path in the connector <code>config.xml</code> file. The <code>connector.ConnectorEJBTest.testOpenConnection</code> no longer fails.</p>

Plug-ins

Change Request Number	Description
047784	The <code>iisforward.dll</code> file now supports multiple websites for the same IIS instance
050080	The <code>PathPrepend</code> and <code>PathTrim</code> parameters for the Apache plug-in can now work simultaneously when they use HTTPS over an SSL.
050253	The ISAPI plug-in now allows the content-length to be equal to 0 for POST and for PUT.
051912	The NSAPI plug-in (<code>proxy35.dll</code>) for Netscape Enterprise Server 3.5.1 on Windows NT was giving the error message, <code>ns-httpd36.dll could not be found in the specified path</code> . Because there is no such DLL in NES Server 3.5.1, this error message has been deleted.
052444	When you use the <code>HttpClusterServlet</code> plug-in and the primary server shuts down, a more informative error message is now displayed.
052480	The ISAPI plug-in now flushes the buffer even when the request is not served completely.
053773	Added a plug-in option to specify to which IP address the plug-in should bind when it connects to WebLogic Server.
054140	Added a new parameter, <code>WLProxySSL</code> , for all of the plug-ins whose default value is OFF. This parameter indicates whether HTTPS is used by the users' browser on which the proxy is based. The proxy then determines to which URL to send users in the case of <code>response.sendRedirect</code> .
054526	Fixed problems that resulted from using the same socket for the keep-alive connections.
054998	Fixed a problem with downloading a file from WebLogic Server 6.1 through IIS Web Server 5.0 as proxy. The error saying that <code>inetinfo.exe</code> has crashed no longer occurs.
055093	Fixed a problem that resulted from using SSL with the IIS plug-in.

RMI over IIOP

Change Request Number	Description
052086	Fixed a problem that arose from calling outbound using IIOP after re-deploying an EJB.
052300	Fixed a problem with ear classloaders that prevented call by reference from working.
054182	In the 6.1 release, there was an IIOP/SSL outage. This has been fixed. A convenience class for accessing the SSL socket factory in the client was added.
054376	Security credential propagation is now supported over IIOP.
055330	Corrected the IIOP JVMID discriminators that are generated for remote JVMs.
055394	Fixed the SVUID for <code>weblogic.iiop.IIOPRemoteRef</code> .
056505	Fixed a problem with encoding value types in Anys with the IBM JDK on AIX.

Servlets and JSP

Change Request Number	Description
043659	Shortened the session ID for WAP in a cluster.
049139	<p>The following JSP no longer fails to compile.</p> <pre><%@ taglib uri="accents.tld" prefix="accents" %> <%@ page contentType="text/html; charset=ISO-8859-1" %> <accents:test> fail </accents:test></pre>

049147	When you start the default server, a warning message referencing the servlet 2.2 DTD no longer occurs.
050343	<code>ResponseHeaders.writeHeaders()</code> generates an HTTP header for single byte strings only.
050370	Added the <code>PrefetchTag</code> class to the <code>weblogic-tags.jar</code> file.
050398	Added the <code>weblogicx.jsp.tags.PrefetchTag</code> class to the <code>weblogic-tags.jar</code> .
051396	Load-on-startup now produces a warning if an invalid value is entered.
052109	A <code>NullPointerException</code> is no longer thrown every time <code>ServletSessionRuntimeBeanImpl.getMainAttribute()</code> is called.
052134	Added support for two Web applications or two <code>ejb-jars</code> with the same name in different <code>ear</code> files. Previously, deploying two <code>ear</code> files that each contained a web application <code>foo.war</code> file caused an <code>InstanceAlreadyExists</code> error.
052665	Added the capability to configure a <code><run-as></code> element for a servlet from the web application deployment descriptor editor.
052786	Exception-type mapping implementation no longer looks at the exact match for the exception type. Multiple classes can now be registered in the hierarchy. Exception-type mapping picks up the closest match.
053314	Added performance optimizations for in-memory replication and memory session persistence.
053333	The JSP page is now used as an error page if an exception is thrown in the Web application.
053344	Fixed a problem caused by using multiple slashes in a URL.

053377	<p>The exception <code>weblogic.servlet.internal.session.MemorySessionDataMissing no-arg constructor for class</code> is no longer thrown when:</p> <ul style="list-style-type: none">• A servlet invoked an EJB method and passed it a reference to its <code>HTTPSession</code> object.• The servlet and EJB had been deployed in the default Web application.• Memory-based session persistence was used by the servlet.
053573	<p>When more than one call for <code>Forward()</code> of <code>RequestDispatcher</code> is made within a Servlet service method, the container now throws an exception instead of returning a blank response.</p>
053634	<p>The query parameters added in a forward or an include now take precedence over the existing ones, in accordance with the servlet specification.</p>
053722	<p>Introduced a switch in the <code>weblogic.xml</code> file that redirects the client using the absolute URL. For example:</p> <pre><container-descriptor> <redirect-with-absolute-url>false</redirect-with-absolute-url> </container-descriptor></pre> <p>If set to false, the absolute URL is used.</p>
053743	<p>Now, in accordance with the servlet spec, an <code>IllegalStateException</code> is thrown if <code>ServletA</code> tries to forward the same request to the JSP after having forwarded it to <code>ServletB</code>.</p>
053932	<p>The <code>HttpClusterServlet</code> no longer throws a Null Pointer Exception and <code>weblogic.utils.AssertionError</code> if <code>secureProxy</code> is on.</p>
053959	<p><code>BodyTags</code> can now return <code>EVAL_BODY_INCLUDE</code> from their <code>doStartTag</code> method.</p>
054016	<p>Fixed the response header format corruption problem when the Content-Disposition header is present.</p>

054194	The content in the response buffer is now flushed as soon as the amount specified by the <code>setContentLength</code> is fulfilled.
054427	Added a mapping for <code>jnl</code> files to the <code>weblogic/servlet/internal/web</code> <code>applicationServletContext.java</code> file.
054694	<code>RequestDispatcher</code> now invokes Servlet 2.3 filters.
055002	A file can now be downloaded, instead of only appearing in the browser, after setting up mime-type in the <code>web.xml</code> file.
055106	Parameters for the request are now returned after the <code>HttpServletRequest.getParameter (param)</code> method for a POST request is executed in the <code>doPost ()</code> method in a servlet.
055241	The <code>request.getAttribute</code> and <code>request.setAttribute</code> are no longer broken when <code>Content-Type=text/xml</code> and the method is POST.
055265	New parameters no longer appear lost when <code>getServletContext ().getRequestDispatcher</code> and <code>request.getParameter</code> are used in the arguments.
055591	A null pointer exception is no longer thrown in <code>request.getParameterMap ()</code> if the method is called with any of the <code>getParameter ()</code> methods.
055630 & 055962	Fixed a problem with internal <code>ServletResponse</code> implementation.
056188	Fixed a parse error. The JSP container was failing to parse when <code>pageEncoding</code> was omitted.
056277	There is no longer an <code>ArrayIndexOutOfBoundsException</code> thrown on POSTs when using the Netscape browser.
057022	The JSP compiler no longer generates a classpath that is too long for the Win32 command line when <code>Class-Path</code> is used.

System Administration

Change Request Number	Description
045203	The message produced due to an incorrect password when using <code>weblogic.Admin</code> is now consistent regardless of the command used.
049177	Fixed an error related to Web application deployment in clusters.
049178	Fixed an error that occurred when deploying the default Web application.
049919	Redundant copies of <code>ServerConfigMBeans</code> are no longer created on the Administration Server and the Managed Server.
050374	Converting the <code>weblogic.properties</code> file no longer fails when <code>DeliveryMode=persistent</code> .
050853	Configuration and deployment can no longer take place with the wrong path and URL.
050874	A cloned server can now be started as a Managed Server.
051618	<code>weblogic.Admin</code> now fetches the information from <code>MBeanHome</code> of the server running at the address specified in the <code>-URL</code> option. If the <code>-URL</code> option is not specified, <code>weblogic.Admin</code> fetches information using the <code>AdminHome</code> of Domain.
052046	When a password is not specified using the <code>-password</code> option in the command line for <code>weblogic.Admin</code> , the user is prompted to enter the password.
052095	When launching the Admin startup script, the Administration Server was started but did not detect running Managed Servers. Now, when the Administration Server starts up, it always loads the root directory from the properties directory (<code>-Dweblogic.RootDirectory</code>) or uses the default directory (current directory).
052198	A cloned server no longer fails during start-up.
052261	Fixed a problem with using the <code>weblogic.deploy</code> utility to deploy multiple EJB targets.

052326	If an erroneous root directory is specified in the <code>config.xml</code> file, WebLogic Server gives a warning message and the configuration is persisted to the directory where the Server is booted.
052349	When the deployment descriptor converter is run to generate a <code>config.xml</code> file from the <code>weblogic.properties</code> file that has the property <code>weblogic.security.realmClass=weblogic.security.LDAPRealm</code> set, a Password attribute now gets created in addition to the <code>ConfigurationData</code> for the <code>CustomRealm</code> . Values for both <code>ConfigurationData</code> and <code>Password</code> are based on the information contained in the <code>ldaprealm.properties</code> file. When the <code>config.xml</code> gets saved, the <code>Password</code> gets encrypted.
052656	Applications in the auto-deploy directory are no longer deployed twice.
052753	Starting the Administration Server and then starting two Managed Servers simultaneously no longer causes a server failure.
052804	If the <code><charset-params></code> entry exists in the <code>weblogic.xml</code> , then the deployment descriptor editor displays it. Previously, it failed to display and gave a <code>ClassCastException</code> .
053053	Fixed a problem with redeploying a message-driven bean after undeployment.
053485	<p>This is a known issue with the conversion utility for customers migrating from earlier releases of WebLogic Server as well as those users following the migration tutorial.</p> <p>The JDK automatically specified by the conversion process under the <code>compileCommand</code> tag in the <code>weblogic.xml</code> is set to <code>JAVA_HOME\javac</code>. This setting is no longer missing the <code>bin</code> subdirectory, which is set to <code>JAVA_HOME\bin\javac</code>. A corrected version of the conversion utility has been posted at http://developer.bea.com/tools/techguides.jsp.</p>
053926	When the Administration Console was used to convert <code>weblogic.properties</code> on <code>src510sp10_117sj</code> to the <code>config.xml</code> file on <code>src_ag_131sj</code> , the root directory was not converted. This has been fixed.
053980	Fixed a problem that involved deploying a Web application in a cluster that was using an MBean API.

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053991	MBean name patterns specified by JMX can now query the MBean server and find MBeans.
054173	Fixed a problem with starting Managed Servers simultaneously in a clustered environment.
054485	Improved the accuracy of Managed Server startup URL error messages.
055150	Fixed serialVersionUID for outer and inner classes following Sun's recommendation .
055945	A <code>ClassCastException</code> was caused by deleting MBean references. This has been fixed.

Web Services

Change Request Number	Description
048800	Fixed a problem with array elements. Array elements are no longer in the SOAP-ENV namespace. The .NET array always ends up as a non-null array of zero elements.
51222	<p>You can now use the WebLogic Web Service client API to invoke a Microsoft-hosted Web service, as long as you add the following lines to your Java client program:</p> <pre>CodecFactory factory = CodecFactory.newInstance(); SoapEncodingCodec codec = new SoapEncodingCodec(); codec.writeQualifiedNames(false); factory.register(codec);</pre>
053249, 053254	When a static Java client invokes a message-style Web service by sending or receiving an XML document, the client no longer receives an error due to the WSDL of the Web service not supporting the literal encoding style.
058431, 054687	Null exceptions are no longer thrown when you try to invoke a remote procedure call Web service from a static Java client by using an array on primitive integers.

XML

Change Request Number	Description
046955	Loading an XML document with <code>xml:include</code> in it from a Web application was causing an SAX exception. This has been fixed. The path for the <code>xml:include</code> must be page-relative.
048165	It is now possible to circumvent caching, in general and on specific entities.
049063	After you create parser and entity XML registry entries in the Administration Console, the public ID, system ID, and root tag fields become read-only and you cannot modify their values. This is the correct behavior.
049066	Changes in the console are now propagated to the entity cache.

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049082	Debugging is now supported through an attribute in the <code>ServerDebugMBean</code> .
049855	The <code>xsl:include</code> was leading to the wrong path for the include stylesheet when used in stylesheets that were loaded by JSPs that used the XSLT tag library. This has been fixed. The path for the <code>xsl:include</code> must be page-relative.
050469	The Administration Server now correctly converts <code>XMLRegistryEntryMBeans</code> to the new <code>MBean</code> formats, even if an XML registry is not assigned to the Administration Server.
050620	When an entity was resolved, the registry entry was called once to resolve and once to get the timeout interval for entering into the cache. These functions are now performed by a single call.
052258	There are now default JAXP factories for standalone java applications. If the system properties are not set on the command-line, the weblogic factories are instantiated instead of the Apache factories.
054332	Fixed a problem that was causing an error to occur when parsing a well-formed XML document with the default parser.
054670	The error message that the parser produced when parsing an XML file if the user specified an undeclared tag is now easier to understand.
055499	When the <code>cloneNode(true)</code> method of <code>weblogic.apache.xerces.dom.Node</code> is called on a root element that contains a namespace attribute (i.e. <code>xmlns="http://www.abc.com/xml";</code>) an erroneous <code>DOMException</code> is no longer thrown.

WebLogic Server 6.1 Release Solutions

The following sections describe problems that were resolved for WebLogic Server 6.1.

Deployment Descriptor Editor

Change Request Number	Description
048382 & 049320	Fixed some problems with displaying the Connector Deployment Descriptor Editor in the Administration Console when clicking on the menu item “descriptor.”
048965	Fixed some problems with displaying the EJB, web application, and WebServices nodes in the Deployment Descriptor Editor of the Administration Console. An error message was displaying when these nodes were clicked.
048966	Fixed problems with displaying Security Role Assignments in the web application node of the Deployment Descriptor Editor. Clicking Security Role Assignment caused an <code>IllegalArgumentException</code> exception to display and an error message for the web application.
048971	Fixed some problems in the EJB 2.0 Deployment Descriptor Editor when clicking on existing Resource Reference instances.
048973	Fixed some problems in the EJB Deployment Descriptor with persisting EJB entities. Clicking on the Persistence tab sometimes caused an exception.
049458	Fixed problems cloning the following: WebLogic RDBMS bean, WebLogic RDBMS Jar, transaction isolation, session beans and entity beans.
049460	The EJB Deployment Descriptor Editor had problems creating description folders for new WebLogic EJBs. Also, it was not possible to configure a new entity descriptor, stateless session descriptor or stateful session descriptor for a newly configured/cloned WebLogic EJB. These problems have been fixed.
049413	Fixed problems with persistence in each of the Deployment Descriptor Editors.

EJB

Change Request Number	Description
042794	Deploying Message-Driven Beans into a full cluster through the Console's "Clusters" panel was broken. This is now fixed.
046960	Fixed a known problem with two servers hanging when a distributed transaction involving message-driven beans (MDBs) spans both servers.

Examples

Change Request Number	Description
041463	Using UNIX, the <code>config/petstore/StartPetStore.sh</code> script has been modified to use the Hotspot VM on HP. This modification is a workaround for a bug in the HP client VM.
047509	When running the RMI examples, it was necessary to reboot the server after deploying. Before rebooting, the server was throwing a <code>javax.naming.NameNotFoundException</code> . This has been fixed.
049011	Fixed some problems with the <code>build.xml</code> file in <code>WEBLOGIC_HOME/samples/examples/xml/sax</code> .
049264, 048678	The PetStore demo now logs you out correctly when you do "sign out".

Internationalization

Change Request Number	Description
035036	When WebLogic Server boots and prompts for the boot account's password, the prompt used is now internationalized.
041021	Fixed a problem failing to generate properties files for some message catalogs after executing <code>l10ngen</code> .
041078	Fixed some duplicated keys in the <code>english.xml</code> file.
041264	Fixed some internationalization problems with certain tags not being in <code>english.xml</code> .
041266	The time stamp is now internationalized.

JCA

Change Request Number	Description
049346	WebLogic Server now supports "javax.resource.spi.security.GenericCredential" credential-interface or the "Kerbv5" authentication-mechanism-type. Previously, specifying either value for the <code><authentication-mechanism></code> in the <code>ra.xml</code> file for the resource adapter being deployed resulted in a failed deployment.

JDBC

Change Request Number	Description
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2 *Resolved Problems*

033423	There were dbKona problems with <code>QueryDataSet</code> and the OCI805_8 driver. This has been fixed on Windows NT, but is still a problem on HP-UX and Solaris.
033920	There was a problem in JDBC when running tests which access the connection pool. This has been fixed.
035530	There were problems enabling OS authentication and using Oracle 8.1.6/oci8 with the jDriver. This has been fixed on NT and HP-UX, but still is an issue on Solaris. We have added an error message that reports this problem: OS level authentication is not currently supported due to a defect in OCI 8 libraries.
037589	Added Oracle thin driver support and fixed some outdated command line help.
037591	Added support for ORACLE_THIN database type. Removed obsolete database types and command line options.
037596	Fixed <code>PreparedStatement.setBlob</code> and <code>PreparedStatement.setClob</code> .
037693	There are no longer problems with the Oracle driver and ROWID selects when running <code>examples.dbkona.rowid</code> .
037893	Fixed <code>getBytes()</code> to return null instead of a zero-length byte array with Oracle LONG RAW columns.
038143	JDBCConnectionPoolRuntimeMBean's were not working. Added a RuntimeMBean implementation to ConnectionPools.
038229	The jDriver for Oracle 8.1.6 no longer causes Managed Servers to run out of memory.
038275	We no longer refer to the <code>weblogic.classpath</code> in JDBC error messages. The <code>weblogic.classpath</code> does not exist in WebLogic 6.1.

040379	<p>The following error occurred when the <code>server</code> and <code>serverName</code> properties in a JDBC connection pool were specified with the same value:</p> <pre><Cannot startup connection pool "jtaXAPool" server and serverName properties must have the same value></pre> <p>This problem occurred when the XA driver required the <code>server</code> or <code>serverName</code> property to be set. It was occurring with the WebLogic <code>JDriver</code> for Oracle, but not the Oracle thin driver, or the Cloudscape driver. It has been fixed.</p>
040509	Fixed a small problem with Solaris 2.6 and the <code>jd driver</code> .
041286	Better error message for misconfigured connection pools.
041302	The MS <code>SQLServer</code> driver has been updated.
041514	Added support for JDBC and connection pool monitoring in the Console.
048764	Killing connection pools through the console is fixed.

JMS

Change Request Number	Description
039726	If a pre-6.0 WebLogic Server was shut down when it had active database operations, after upgrading to 6.1 some durable consumers may have received messages that were sent to the topic after the durable subscriptions were created. There was a race condition between the scavenger (which updates the database periodically) and Ctrl+c killing the pre-6.0 server. This has been fixed.
039809	The JMS messages types, TextMessage, ObjectMessage, MapMessage and XMLMessage now implement in read-only mode so that the receiver cannot modify the message before calling clearBody().
041031	The JMS flow control no longer stalls asynchronous messages from a consumer.
041165	If a user receives a JMS ObjectMessage and calls the toString method before calling getObject, the message is now automatically deserialized.
041821	The JMS connection is now cleaned up properly when the client terminates without closing.
042096	Calling a setRollbackOnly in an MDB no longer yields a verbose log message.
042458	JMS can now handle sending messages that are received from a foreign provider.
042792	JMS can now process multiple messages concurrently with the JMSServerSessionPool.
042997	Server session pools no longer deadlock on multi-CPU boxes.
043077	The message listener no longer fails to auto acknowledge messages in server session pools.
043155	JMS topic messages now expire since they are checked at the time the message is given to the consumer.
043223	JMS can now send a TextMessage with more than 32K characters.

043225	When performing a setObject, the JMS ObjectMessage is longer unnecessarily serialized.
043445	Sending a WebLogic Server JMS message using Fiorano 5.0 no longer generates an exception.
043447	When a JMS server session pool is shut down, its server sessions are now cleaned up and closed.
043519	A session rollback and recover no longer prevents asynchronous consumers from receiving messages.
043752	Recovering expired messages no longer causes a NullPointerException.
043884	<p>JMS provides better performance by not synchronizing writes to the file stores. Synchronous writes are configurable via the command line using properties and are enabled by default.</p> <pre>Dweblogic.JMSFileStore.SynchronousWritesEnabled=(false true)</pre> <pre>Dweblogic.JMSFileStore.<store name>.SynchronousWritesEnabled=(false true)</pre> <p>The first property applies to all JMS file stores running on the server. The second more specific property takes precedence over the first. The order where the properties are specified makes no difference.</p>
043973	TopicSession.unsubscribe() is now rejected if a message has been received as part of a transaction or has not been acknowledged in the session.
044200	The JMSConnection Mbean destroy() function now destroys the Connection when run on the server side. After destroying the Connection, the consumer is able to retrieve messages and the producer is able to send messages.
044285	JMS persistence mechanism no longer locks up when there are not enough server threads.
044450	The JDBC Store code no longer prepares "COMMIT WORK" unnecessarily.
044605	The serialization of an unsent JMS message no longer generates a NullPointerException.

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044891	On a JMS transacted session, <code>Session.close()</code> now rolls back the in-progress transaction instead of committing it.
044961	The <code>getBooleanProperty()</code> correctly returns false if a value for name is not found. All of the other <code>getProperty</code> methods return <code>NumberFormatException</code> if a value is not found.
044976	<p>The returned values and exceptions from <code>getXXX()</code> in <code>MapMessage</code> now return the correct values, as follows:</p> <p>If the value for the field does not exist, then <code>getByte()</code> should return <code>NumberFormatException</code>.</p> <p>If the value for field can not convert, then <code>getByte()</code> should return <code>MessageFormatException</code>.</p> <p>If the value for the field does not exist, then <code>getBoolean()</code> should return false.</p> <p>If the value for the field can not convert, then <code>getBoolean()</code> should return <code>MessageFormatException</code>.</p>
045531	A <code>NullPointerException</code> no longer occurs when a JMS durable subscription is configured but a store is not configured.
045956	The connection consumer now behaves properly when creating a server session pool that is using default factories.
045963	The connection consumer no longer ignores the <code>maxMessages</code> field that caused it to swallow all the selected messages.
045980	A detailed log message was added for failures of the first SQL query, which describes the likely problem and provides a work-around. The work around ensures that the connection pool being used has permission to access the given tables. It also fully qualifies the table names by configuring a table name prefix in the JMS JDBC store that includes the schema and catalog names: (<code>[schema.[catalog.]]prefix</code>).
046705	When setting the message listener on a subscriber, JMS now remembers the context classloader at the time of setting so that when it calls <code>onMessage</code> on that message listener it can set the context classloader appropriately. This allows EJB to send messages to a web application subscriber that contains classes only present in the EJB.

046726	<p>There is a new configuration option for “acknowledge” to specify the new or old behavior. This has been added because JavaSoft has proposed changing the meaning of “acknowledge” based on the description in the JMS 1.0.2 specification as opposed to the one specified in the Javadoc, as follows:</p> <p>“Section 4.4.13: Acknowledging a consumed message automatically acknowledges the receipt of all messages that have been delivered by its session.”</p>
047424	<p>JMS no longer throws a NullPointerException when the message size exceeds the quota size.</p>
048181	<p>When creating a temporary topic, and then closing the connection, the following exception is no longer thrown when looking up the topic name: <code>weblogic.jms.common.JMSEException: Error unregistering RuntimeMBean.</code></p>
049518	<p>Fixed a problem migrating text messages generated using WebLogic Server 6.0 to WebLogic Server 6.1. The messages could not be received and the following message was thrown:</p> <p>The corresponding file block will be zeroed out on disk, and this corruption will no longer be reported in the future.</p> <p><code>java.io.StreamCorruptedException: Unknown object stream version.</code></p>

Miscellaneous

Change Request Number	Description
035039	When WebLogic Server needs to prompt for the boot password, it now logs (in <code>security.xml</code>) that it is prompting. This allows an administrator on a remote machine to know why the machine is apparently "hung".
036141	A Managed Server did not start if <code>guest</code> had been disabled (in order to do a JNDI lookup in an ACL). This has been fixed.
036604	The method <code>ClusterMBean.setDefaultLoadAlgorithm()</code> no longer accepts illegal values and now throws the proper <code>IllegalArgumentException</code> .
036986	Using Weblogic Server's XA driver with CMP no longer fails at deployment time.
038883	Specifying the root directory when starting the server was not working when the root directory was not under a <code>/config</code> directory. This has been fixed.
039066	If you entered an incorrect password when prompted at system startup, the server tried to start anyway. The startup eventually fails. Now you are re-prompted for the password when the password is wrong.
039182	When binding two clusterable objects implementing the same interface to the same JNDI name on a single server, an exception was not being thrown and the first clusterable object was being bound. This has been fixed.
039249	A Managed Server had a memory leak when it monitored JMS Server using the Administration Console. This has been fixed.
039361	If you create a group in the RDBMS realm, you can now delete the group.
039891	The server now sets the context attribute correctly during servlet initialization.
039960	Log Viewer is now working in non-U.S. locales.

039995	A server startup error no longer occurs after a WLEC Connection pool was created using the Administration Console.
040168	The logging example for internationalization failed when a dot (.) occurred in the path. This has been fixed.
040177	Additional user information was required when converting <code>weblogic.properties</code> files for use with WebLogic Server 6.0. This has now been added to the product documentation.
040178	When you were using the conversion utility, if a <code>weblogic.properties</code> file included the property <code>weblogic.httpd.register.Name=weblogic.servlet.FileServlet</code> and the servlet did not have initial arguments associated with it (it did not have the property <code>weblogic.httpd.initArgs.file=arg1=value</code> defined in the same <code>weblogic.properties</code> file), then the conversion utility was throwing a Null pointer exception. This has been fixed.
040213	The listenport of a Managed Server cannot be the same as the Administration Server listenport. You cannot, for example, use localhost or 127.0.0.1, with the 7001 host number on both the Managed and Administrative Servers. A more descriptive and informative error message has been added.
040297	Fixed a bug that prevented attributes set in <code>application.xml</code> from propagating from Administration Servers to Managed Servers.
040405	The <code>config.xml</code> file is now serialized using the Apache XML serialize classes. This results in the correct XML, including escapes for built-in entities and an XML header with encoding specified. The encoding used is the platform default. This also fixes problems with the "&" character.
040659	When specifying <code>getParameter()</code> encoding as iso-8859-1, the POST method is now working properly.
040688	When a mail session was targeted to a server that is part of a cluster, the following exception was being thrown because the mailsession was not serializable: <code>java.io.NotSerializableException: javax.mail.Session</code> . This has been fixed.

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040698	The Application Manager no longer throws an unnecessary exception if the poller tries to deploy an application that is still in the process of being copied.
040899	Fixed a problem with a start-up class that occurred when the converter utility converted startup <code>weblogic.properties</code> into <code>.xml</code> .
040950	Fixed a problem in JTA. For XA connections, the Connection Pool test connection logic was attempting to start a distributed transaction before executing the testing SQL. This had the potential to create a <code>javax.transaction.NotSupported</code> exception.
041157	The dialog tabs in the Console were not working correctly when the Mbean name contained Kanji characters.
041290	If the username property is set from the <code>weblogic.Admin</code> or <code>weblogic.Server</code> command lines, the username must be the system password. Note however, that the username syntax is retained to prevent breaking a user's scripts. The <code>weblogic.management.password</code> property value must be the system password and the username may not be modified in the <code>config.xml</code> file.
041662	To improve JTA, we now advertise resources on JNDI. Resources were dynamically discovered as transactions go along, but now it is also possible to find out which resources are currently being supported at which servers.
041757	Fixed a problem with JTA. Resource advertisement (JNDIAdvertiser) was incorrectly done under the caller's identity. We now use the system identity while doing this operation.
041845	Updated the NTRealm to improve general usability and functionality.
041854	To help support Java WebStart with WebLogic Server, we now provide a default web application with the <code>web.xml</code> configured for this mime type. We have also provided other mime type mappings.
041995	Fixed an Unexpected Error being received in the console when resuming an active server. Also deleted some extraneous informational messages in the console when adding users.
042183	When the <code>config.dtd</code> was being generated in the console it was appearing with some errors. This has been fixed.

042362	<p>According to the JTA spec documentation of <code>setTransactionTimeout()</code>:</p> <p>"seconds: The value of the timeout in seconds. If the value is zero, the transaction service restores the default value."</p> <p>If the value was zero, WebLogic Server was not resetting the default value. This has been fixed.</p>
042794	<p>Deploying message-driven beans into a full cluster through the Console's Clusters panel was broken. It is necessary to specify each server individually as a target through the Servers panel.</p>
043369	<p>Applications deployed across a domain now keep their original packaging, meaning that if an application was exploded on the Administration Server, it will stay exploded on the Managed Server.</p>
043388	<p>Clusters of WebLogic Servers no longer require the use of a shared network drive. Both the WebLogic Server installations and your applications can now reside on local file systems.</p>
049417	<p>The Password Converter Tool shipped with the Beta Release has been fixed and no longer returns a SAX Parser error for all files.</p>

Plug-ins

Change Request Number	Description
038831	The Apache plug-in no longer fails under heavy load.
040817	When using IIS to browse and call a regular JSP page that calls a Java Bean and getting a ResultSet reference, there were problems when submitting through the FORM POST method. The HTML stream was getting truncated when it came back to IIS--in other words, the page was only partially painted. This has been fixed.
041332	Using plug-ins, <code>MatchExpression</code> can now contain multiple, comma-separated expressions.
041534	Using the <code>mod_wl.so</code> , Apache was not proxying without <code>Debug</code> and <code>DebugConfigInfo</code> in the <code>httpd.conf</code> . This has been fixed.
041580	The Apache plug-in <code>MatchExpression</code> now works if an encoded URL is used.
041745	Added a log message when the trusted CA file isn't specified and SSL is used with the Isapi plug-in.
041754	Fixed an infinite loop when ISAPI was configured for SSL but using a non-secure port.
041939	The Apache plug-in wasn't filtering out the header <code>"transfer-encoding"="chunked"</code> . So the browser was failing to handle these responses, causing Netscape to hang and IE to display an error page. This has been fixed.
042482	The NSAPI and Apache plug-ins no longer have a READ timeout on HP-UX-11.
044988	Fixed a problem with the NSAPI plug-ins where the socket was not properly closed by the plug-in side. The un-closed socket on the webserver side will be left in <code>CLOSE_WAIT</code> state.
046018	There are new binaries for Apache 2.0.
046392	It is now possible to have different cookie names set for different <code><Location></code> blocks when using the Apache plug-in.

046423	Weblogic Server now supports static libraries for Apache.
046424	<code>KeepAliveEnabled</code> and <code>KeepAliveSecs</code> parameters have been added for the Apache 2.0 plug-in.
046546	Cookie name is now configurable for persistent sessions. There is a new parameter, <code>PersistentStoreCookieName</code> (default= <code>WLCOOKIE</code>), in <code>weblogic.xml</code> .
046946	<p>Fixed a problem with large deployments of WebLogic Server, wherein for a period of time a cluster node behaves as if it is the only one member in the cluster when it's not. Now, using <code>ListenDelaySecs</code>, you can delay the http request handling until it finds the other members. For example:</p> <pre><Server> ListenDelaySecs="30" </Server></pre> <p>Delay the http listen thread for a configurable amount of time so that the new node has time to acknowledge the existence of other cluster members.</p>
046956	Resolved some problems caused by <code>DefaultFileName</code> and <code>VirtualHost</code> with Apache Stronghold/Raven proxies.
047987	Resolved a problem that occurred with NSAPI when streaming a large number of bytes (500,000 bytes) using SSL from the browser to the proxy and from the proxy to the server.
047636	WebLogic Server now supports DSO as well as statically linked modules for Apache 1.3.X.

Servlets and JSP

Change Request Number	Description
026488	Fixed a problem with servlets when the parameter for method <code>println(String)</code> was null.
029989	The wrong error message is no longer sent when an <code>UnavailableException</code> was raised within a servlet.
030880	Fixed problems compiling JSPs when debugging was turned on. Now you can specify compiler flags in <code>weblogic.xml</code> . For example: <pre><!-- weblogic.xml: weblogic-specific web app descriptor --> <weblogic-web-app> <session-descriptor> </session-descriptor> <jsp-descriptor> <jsp-param> <param-name>compileCommand</param-name> <param-value>jikes</param-value> </jsp-param> <jsp-param> <param-name>compileFlags</param-name> <param-value>+E -nowarn</param-value> </jsp-param></pre>
037771	Optimized the checking of JSPs for reloading.
038739	Improved support for JSP debugging.
039083	The <code>RequestDispatcher</code> and forwarding a JSP page now works correctly.
039193	When users forgot to make their servlet class public, a vague and unhelpful error was being thrown. This no longer happens.
039530	Fixed internal servlet tags to reset their state on release. If you used the same tag more than once on a page the additional tags kept the stale data from the previous tag.
040171	You can now set the attribute <code>SingleThreadedServletPoolSize</code> through the Administration Console.

040338	All functioning servlets are now displayed in the mydomain>web applicationlications>Defaultweb application_myserver>ActiveServlets window of the console.
040662	When JSP files had a page tag, the JSP compiler was not generating a class, or java file. This happened only with command line <code>jspc</code> . This has been fixed.
040766	Fixed a problem in servlets with using <code>../</code> for a relative URL when doing a <code>response.sendRedirect</code> .
040814	Added more informative error messages for instances when servlet user errors cause exceptions.
040843	Fixed problems with deploying web applicationComponents using virtual hosts.
040981	Fixed problems associated with WAP and session cookies using the pipe characters.
041234	Fixed a problem in JSP/Servlets using POST and HTTPS.
041478	A change to session cookie format fixed some problems with URL rewriting.
041605	JSPs compiler error pages no longer display a corrupt error message from javac.
041684	Fixed a problem in servlets. The XSLT tag threw a SAXParseException while processing XML content.
041729	The <code>weblogic.servlet.jsp.Precompiler</code> now honors <code>weblogic.xml</code> parameters, like <code>workingdir</code> , <code>packagePrefix</code> , etc., for the JSPs that it precompiles.
041945	When the <code>web.xml</code> had the setting <code>inputCharset./A*=Shift_JIS</code> <code>inputCharset./B*=EUC-JP</code> , and two clients simultaneously accessed the JSP/Servlet, WebLogic Server failed to handle these string correctly. It was possible to get the correct result from one client, but not from the other. This has been fixed.
042031	In the web application data table, when you click the monitoring icon for any web application and then click on the monitor link in the Servlets column, the correct heading is now displayed.

2 *Resolved Problems*

042293	Servlet URL rewriting was working fine with IE 5.0 but wasn't working with Netscape 4.7. This has been fixed.
042509	Fixed problems with forwarding from one web application to another web application and using authentication in both. Session data is no longer sharing inappropriately across the applications.
044873	When you compile a JSP manually with <code>weblogic.jspc</code> , the <code>-version</code> argument is now working.
044926	WebLogic Server 6.1 now correctly generates Java code from JSPs that include 2Bytes code.
049760	The <code>weblogic-vtags.jar</code> file containing the JSP tag library for Form Validation Tags is now in the <code>ext</code> directory as stated in the documentation.

Web Services

Change Request Number	Description
046032, 046808	The WSDL of a WebLogic Web Service is now generated by a JSP, which by default dynamically sets the host and port of the WebLogic Server instance that hosts the service. You can specify that the host and port be hard-coded in the WSDL by explicitly specifying their values when you assemble the Web service using the <code>wsgen</code> Ant task.
046215	When you assemble a WebLogic Web Service using the <code>wsgen</code> Java Ant task, you can now specify that you want to use HTTPS (rather than the default HTTP) when invoking the Web service.
047794	When you use the <code>wsgen</code> Java Ant task to assemble a WebLogic Web service, the generated Enterprise Application archive no longer contains both a web application directory and a web application <code>*.war</code> file; it now contains just the <code>*.war</code> file.
048797	WebLogic Web Services now interoperate correctly with Array types in the Microsoft SOAP Toolkit.

XML

Change Request Number	Description
034785	WebLogic Server now supports namespaces in the XML registry.
034785	Provided methods to retrieve namespace information about the document, such as <code>localRoot</code> , <code>qualifiedRoot</code> , and <code>namespaceURI</code> . If the XML document has namespace defined, then the lookup in the registry will be based on the qualified name.
036428	Previous releases of the XML subsystem included an error in Apache's implementation of the <code>javax.xml.*.parse(File)</code> method, included in the <code>xmlx.jar</code> file. Because WebLogic Server no longer includes this JAR file in the product and WebLogic Server's own implementation of the method has always been correct, this problem does not apply to the current release.

036642	<p>Generated custom parsers no longer convert newline characters that are embedded in attributes and tag bodies into a single space character.</p> <p>Note: The ability to generate custom parsers is deprecated in this release of WebLogic Server. Instead, use WebLogic Server's high-performance parser.</p>
039096	<p>You no longer have to restart WebLogic Server to make it aware of a newly added entry to the XML registry.</p>
039247	<p>Custom parsers are now correctly invoked when an XML document that has been configured to be parsed by the custom parser is parsed using the <code>setAttribute()</code> method of the Servlet API.</p>
040479	<p>Fixed a bug in <code>JMSHelper</code> that was causing incorrect XML to be written to the <code>config.xml</code> file.</p>
041540	<p>The Xerces parser serializer bundled with the WebLogic server now supports multi-byte encodings, such as <code>Shift_JIS</code> or <code>EUC-JP</code>.</p>
041541	<p>The Xerces parser method <code>apache.xml.serialize.BaseMarkupSerializer.printEscaped()</code> bundled with the WebLogic server now supports multi-byte encodings such as <code>Shift_JIS</code> or <code>EUC-JP</code>.</p>
041734	<p>WebLogic Server's JAXP implementation no longer requires the input stream to be resettable when it contains an XML document that is about to be delegated to a particular parser for parsing.</p>
041778	<p>A <code>NullPointerException</code> error is no longer thrown when an XML document that contains an external entity that has been correctly registered in the XML registry is parsed.</p>
041797	<p>After you create a new server, the server no longer fails to reboot and the <code>config.xml</code> file no longer has some incorrectly parsed headers.</p>
46951	<p>The method <code>weblogic.xml.sax.XMLInputSource.getNamespaceURI()</code>, part of WebLogic Server's extension to the <code>org.xml.sax.InputSource</code> class, is implemented in the current release.</p>
48809	<p>The <code>SaxParserFactory</code> is now being selected correctly when parsing a document from a SAX Version 2 Servlet attribute.</p>

48810	You can now configure a parser for a particular document type by mapping the class name of the parser to a Public ID. NOTE: Specifying the parser class name when configuring a parser for a particular document type is deprecated in this release. Instead specify the Factory name.
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