# **BEA**Products

## Supported Configurations for BEA WebLogic Platform 10.0

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# Supported Configurations for WebLogic Platform 10.0

The following topics provide important information about the hardware and software configurations supported by WebLogic Platform 10.0:

**Note:** WebLogic Server 10.0 MP2 is available.

- "List of Supported Operating System Configurations" on page 1-1

- "Supported Web Servers, Browsers, and Firewalls" on page 2-1

- "Supported Database Configurations" on page 3-1

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- "Apache Beehive Support" on page 1-12

- "Spring Framework Support" on page 1-12

## List of Supported Operating System Configurations

The following table lists the operating system and hardware configurations on which Oracle supports WebLogic Platform products for this release. To view detailed support information about a particular configuration, select the name of the relevant operating system.

| Vendor and Operating System | Hardware | Supported Oracle Platform Products |
|---|---|---|
| Asianux 3.0 | • x86<br>• 64-bit Xeon<br>• AMD64 | • WebLogic Server 10.0 (includes MP2)<br>• Workshop for WebLogic 10.0 (Runtime) |
| HP-UX 11i | PA-RISC | • WebLogic Server 10.0<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (Runtime)<br>• Workshop 10.1 (Runtime) |
| HP-UX 11i V2 | PA-RISC | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (Runtime)<br>• Workshop 10.1 (Runtime) |
| | Itanium | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (Runtime)<br>• Workshop 10.1 (Runtime) |

| HP-UX 11i V3 | PA-RISC | • WebLogic Server 10.0 (includes MP2) |
| | | • WebLogic Portal 10.0 |
| | | • Workshop for WebLogic 10.0 (Runtime) |
| | | • Workshop 10.1 (Runtime) |
| | Itanium | • WebLogic Server 10.0 (includes MP2) |
| | | • WebLogic Portal 10.0 |
| | | • Workshop for WebLogic 10.0 (Runtime) |
| | | • Workshop 10.1 (Runtime) |
| IBM AIX 5.2<br><br>**Note:** AIX 5.2 is no longer supported. For additional information, please refer to the AIX 5.2 End of Support Announcement. | pSeries | • WebLogic Server 10.0 |
| | | • WebLogic Portal 10.0 |
| | | • Workshop for WebLogic 10.0 (Runtime) |
| | | • Workshop 10.1 (Runtime) |
| IBM AIX 5.3 | pSeries | • WebLogic Server 10.0 (includes MP2) |
| | | • WebLogic Portal 10.0 |
| | | • Workshop for WebLogic 10.0 (Runtime) |
| | | • Workshop 10.1 (Runtime) |

| IBM AIX 6.1 | pSeries | • WebLogic Server 10.0 MP1 (includes MP2)<br>• WebLogic Portal 10.0 MP1<br>• Workshop 10.1 (Runtime) |
|---|---|---|
| Microsoft Windows 2000 Professional | x86 | • WebLogic Server 10.0<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (IDE and Runtime)<br>• Workshop 10.1 (IDE and Runtime) |
| Microsoft Windows 2000 Server, Advanced Server, Datacenter | x86 | • WebLogic Server 10.0<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (IDE and Runtime)<br>• Workshop 10.1 (IDE and Runtime) |

| | | |
|---|---|---|
| Microsoft Windows Server 2003 Standard, Enterprise, Datacenter | x86 | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (IDE and Runtime)<br>• Workshop 10.1 (IDE and Runtime) |
| | Itanium | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (Runtime)<br>• Workshop 10.1 (Runtime) |
| | • 64-bit Xeon<br>• AMD64 | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (Runtime)<br>• Workshop 10.1 (Runtime) |
| Microsoft Windows Server 2008 Standard, Enterprise, Datacenter | x86 | • WebLogic Server 10.0 MP1 (includes MP2)<br>• Workshop for WebLogic 10.0 MP1 (Runtime) |
| | Itanium | • WebLogic Server 10.0 MP2 |
| | • 64-bit Xeon<br>• AMD64 | • WebLogic Server 10.0 MP1 (includes MP2)<br>• Workshop for WebLogic 10.0 MP1 (Runtime) |

| Microsoft Windows XP SP2 | x86 | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (IDE and Runtime)<br>• Workshop 10.1 (IDE and Runtime) |
|---|---|---|
| Novell SUSE Linux Enterprise Server (SLES) 9 SP3 | x86 | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (Runtime) |
| | Itanium | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (Runtime) |
| | • 64-bit AMD64<br>• 64-bit Xeon | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (Runtime) |

| Novell SUSE Linux Enterprise Server (SLES) 10 | x86 | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (Runtime) |
|---|---|---|
| | Itanium | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (Runtime) |
| | • 64-bit AMD64<br>• 64-bit Xeon | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (Runtime) |
| Novell SUSE Linux Enterprise Server (SLES) 11 | • 64-bit AMD64<br>• 64-bit Xeon | • WebLogic Server 10.0 MP2 |
| Oracle Enterprise Linux 5 | x86 | • WebLogic Server 10.0 (includes MP2)<br>• Workshop for WebLogic 10.0 (Runtime) |
| | Itanium | • WebLogic Server 10.0 MP2 |
| | • 64-bit AMD64<br>• 64-bit Xeon | • WebLogic Server 10.0 (includes MP2)<br>• Workshop for WebLogic 10.0 (Runtime) |

| Oracle Enterprise Linux 4 | x86 | • WebLogic Server 10.0 (includes MP2)<br>• Workshop for WebLogic 10.0 (Runtime) |
|---|---|---|
| | Itanium | • WebLogic Server 10.0 MP2 |
| | • 64-bit AMD64<br>• 64-bit Xeon | • WebLogic Server 10.0 (includes MP2)<br>• Workshop for WebLogic 10.0 (Runtime) |
| Red Hat Enterprise Linux 4.0 AS, ES, WS | x86 | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (IDE and Runtime)<br>• Workshop 10.1 (IDE and Runtime) |
| | • 64-bit AMD64<br>• 64-bit Xeon | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (Runtime) |
| | Itanium | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (Runtime) |

| Red Hat Enterprise Linux 5.0 AS, ES, WS | x86 | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (Runtime)<br>• Workshop 10.1 (Runtime) |
|---|---|---|
| | • 64-bit AMD64<br>• 64-bit Xeon | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (Runtime) |
| | Itanium | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (Runtime) |
| Sun Solaris 8 | Sparc (Using Sun 32-bit JDK) | • WebLogic Server 10.0<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (Runtime)<br>• Workshop 10.1 (Runtime) |

| Sun Solaris 9 | SPARC (Using Sun 32-bit JDK) | • WebLogic Server 10.0 (includes MP2) |
| | | • WebLogic Portal 10.0 |
| | | • Workshop for WebLogic 10.0 (Runtime) |
| | | • Workshop 10.1 (Runtime) |
| | SPARC (Using JRockit 64-bit JDK) | • WebLogic Server 10.0 (includes MP2) |
| | | • Workshop for WebLogic 10.0 (Runtime) |
| | SPARC (Using Sun 64-bit JDK) | • WebLogic Server 10.0 (includes MP2) |
| | | • Workshop for WebLogic 10.0 (Runtime) |
| | x86 (Using Sun 32-bit JDK) | • WebLogic Server 10.0 (includes MP2) |
| | | • WebLogic Portal 10.0 |
| | | • Workshop for WebLogic 10.0 (Runtime) |

| Sun Solaris 10 | SPARC (Using Sun 32-bit JDK) | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (Runtime)<br>• Workshop 10.1 (Runtime) |
| --- | --- | --- |
| | SPARC (Using JRockit 64-bit JDK) | • WebLogic Server 10.0 (includes MP2)<br>• Workshop for WebLogic 10.0 (Runtime) |
| | SPARC (Using Sun 64-bit JDK) | • WebLogic Server 10.0 (includes MP2)<br>• Workshop for WebLogic 10.0 (Runtime) |
| | x86 (Using Sun 32-bit JDK) | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (Runtime) |
| | AMD64 (Using Sun 32-bit JDK) | • WebLogic Server 10.0 (includes MP2)<br>• WebLogic Portal 10.0<br>• Workshop for WebLogic 10.0 (Runtime) |
| | 64-Bit Xeon (Using Sun 32-bit JDK) | • WebLogic Server 10.0 (includes MP2)<br>• Workshop for WebLogic 10.0 (Runtime) |

Oracle provides full support for these operating system and hardware configurations only. We are continuously working to provide support for more configurations. Please contact your sales representative for information about configurations not listed in this table.

For information about supported databases, see "Supported Database Configurations" on page 3-1.

# Apache Beehive Support

WebLogic Server supports Apache Beehive on all the hardware and software configurations described in this document, unless otherwise specified.

# Spring Framework Support

WebLogic Server supports Spring Framework.

For WebLogic Server 10.0 and WebLogic Server 10.0 MP1, Oracle supports the Spring Framework 1.2.8 and 2.0.x.

# Supported Web Servers, Browsers, and Firewalls

WebLogic Platform 10.0 supports the following configuration components:

- "Web Servers" on page 2-1
- "Browsers and Plug-Ins" on page 2-5
- "Firewalls" on page 2-7

## Web Servers

This section lists Web servers supplied by third-party vendors that are supported by WebLogic Platform 10.0.

Web server plug-ins, delivered with WebLogic Server, enable WebLogic Server to communicate with applications that have been deployed on a different Web server. For details about Web server plug-ins, see *Using Web Server Plug-Ins with WebLogic Server* at the following URL:

http://download.oracle.com/docs/cd/E13222_01/wls/docs100/plugins/index.html

Table 2-1 lists the supported Web servers and the operating systems on which they can be run. It is not necessary to run a Web server on the same machine on which you run WebLogic Server 10.0.

**Table 2-1  Web Servers Supported by WebLogic Platform 10.0**

| Web Server | Version | Operating System Version and Chip Architecture |
|---|---|---|
| Apache (32-bit)<br><br>**Note:**  For use of the multithreaded option, WebLogic Server supports only Apache 2.0.48 or a higher version. Users of the single-threaded option, however, are supported by WebLogic Server on any 2.0.42 or higher version of Apache. | 2.0.42 and higher versions of 2.0.x (32-bit versions)<br><br>Deprecated. | • IBM AIX on pSeries<br>   —5.2 - ML7<br>   —5.3 - ML3<br>• Microsoft Windows 2000 on x86:<br>   —Professional<br>   —Server, Advanced Server, Datacenter<br>• Microsoft Windows Server 2003 on x86:<br>   —Standard, Enterprise, Datacenter<br>• Novell SUSE Linux Enterprise Server (SLES) 9, 10 on x86<br>• Red Hat Enterprise Linux on x86:<br>   —4.x AS, ES, WS<br>   —5.x AS, ES, WS<br>• Sun Solaris 8, 9, 10 on SPARC<br>• Sun Solaris 9, 10 on x86<br>• Sun Solaris 10 on AMD64 |
|  | 2.2.x (32-bit versions) | • IBM AIX on pSeries<br>   —5.2 - ML7<br>   —5.3 - ML3<br>• Microsoft Windows 2000 on x86:<br>   —Professional<br>   —Server, Advanced Server, Datacenter<br>• Microsoft Windows Server 2003 (including SP1+) on x86:<br>   —Standard, Enterprise, Datacenter<br>• Novell SUSE Linux Enterprise Server (SLES) 9, 10 on x86<br>• Red Hat Enterprise Linux on x86:<br>   —4.x AS, ES, WS<br>   —5.x AS, ES, WS<br>• Sun Solaris 8, 9, 10 on SPARC<br>• Sun Solaris 9, 10 on x86<br>• Sun Solaris 10 on AMD64 |

**Table 2-1  Web Servers Supported by WebLogic Platform 10.0**

| Web Server | Version | Operating System Version and Chip Architecture |
|---|---|---|
| Apache (64-bit) | 2.0.49 and higher (64-bit versions) Deprecated. | • Novell SUSE Linux Enterprise Server (SLES) 9, 10 on Itanium, 64-bit Xeon, AMD64<br>• Red Hat Enterprise Linux 4.x, 5.x AS, ES, WS on Itanium, 64-bit Xeon, AMD64 |
| | 2.2.x (64-bit versions) | • Novell SUSE Linux Enterprise Server (SLES) 9, 10 on Itanium, 64-bit Xeon, AMD64<br>• Red Hat Enterprise Linux 4.x, 5.x AS, ES, WS on Itanium, 64-bit Xeon, AMD64 |
| HP Apache-based Web server<br>**Note:** With libraries downloaded from the HP Web site | 2.0.42-2.0.55 | • HP-UX on PA-RISC (32 bit Apache only):<br>—11i<br>—11i V2<br>• HP-UX on Itanium (64 bit Apache only) on 11i V2 |
| HP Apache-based Web server<br>**Note:** With libraries downloaded from the HP Web site | 2.0.58-2.0.59 | HP-UX on Itanium (64 bit Apache) on:<br>• 11i V2<br>• 11i V3<br>HP-UX on PA-RISC (32 bit Apache) on:<br>• 11i<br>• 11i V2<br>• 11i V3 |
| Microsoft Internet Information Server (IIS) | 5.0 | • Microsoft Windows 2000 on x86:<br>—Professional<br>—Server, Advanced Server, Datacenter<br>• Microsoft Windows XP on x86 |
| | 6.0 | • Microsoft Windows 2000 on x86:<br>—Professional SP4 and higher<br>—Server, Advanced Server, Datacenter<br>• Microsoft Windows Server 2003 SP1+ Standard, Enterprise, Datacenter on x86, Itanium, 64-bit Xeon, AMD64<br>• Microsoft Windows XP on x86 |

**Table 2-1  Web Servers Supported by WebLogic Platform 10.0**

| Web Server | Version | Operating System Version and Chip Architecture |
|---|---|---|
| Sun Java System Web Server | 7.0 | • Microsoft Windows 2000 Professional, Server, Advanced Server, Datacenter on x86<br>• Microsoft Windows Server 2003 Standard, Enterprise, Datacenter on x86<br>• Microsoft Windows XP on x86<br>• Red Hat Enterprise Linux 4.x AS, ES, WS on x86<br>• Red Hat Enterprise Linux 5.x AS, ES, WS on x86:<br>• Sun Solaris 8, 9, 10 on SPARC<br><br>**Note:** This support requires Web server plug-ins with version number 1.0.1014998 or later. The latest Web server plug-ins are available from the Support download site at `http://commerce.bea.com/support/supportversions.jsp?file=/products/weblogicserver/support/support.html`. |
| Sun Java System Web Server<br>(Formerly Sun ONE Web Server) | 6.1 SP1 and all later service packs (32 bit only) | • IBM AIX on pSeries<br>—5.2 - ML7<br>—5.3 - ML3<br>• HP-UX 11i on PA-RISC<br>• Microsoft Windows 2000 on x86:<br>—Professional<br>—Server, Advanced Server, Datacenter<br>• Microsoft Windows Server 2003 Standard, Enterprise, Datacenter on x86<br>• Microsoft Windows XP on x86<br>• Novell SUSE Linux Enterprise Server (SLES) 9, 10 on x86<br>• Red Hat Enterprise Linux on x86:<br>—4.x AS, ES, WS<br>—5.x AS, ES, WS<br>• Sun Solaris 8, 9, 10 on SPARC<br>• Sun Solaris 9, 10 on x86<br>• Sun Solaris 10 on AMD64 |

# Browsers and Plug-Ins

Browsers are used for a variety of purposes, including:

- "Accessing End-User Applications" on page 2-5

- "Accessing WebLogic Platform Consoles" on page 2-5

## Accessing End-User Applications

In general, WebLogic Platform supports the use of any browser to enable end-user access to applications with the following restrictions:

- You must follow best practices when implementing features targeted for use with the browser you choose to support

- Use of applets for end-user access to applications is more restricted. See "Browser Support for Applets" on page 2-7.

### Browser Support for Applications using Apache Beehive

Apache Beehive, which is included with WL Platform products, provides several JSP tag libraries for building applications. The following browsers are supported for end users accessing applications built with these tag libraries:

- Microsoft Internet Explorer

  - 6.0 SP1 and later service packs

  - 7.0 and later service packs

- Mozilla FireFox

  - Firefox 1.0 (Deprecated, Oracle recommends moving to a supported version of the browsers listed.)

  - Firefox 1.5 (Deprecated, Oracle recommends moving to a supported version of the browsers listed.)

  - Firefox 2.0

## Accessing WebLogic Platform Consoles

**Note:** If you use a browser version that is not listed as a supported browser in the following sections, you may experience functional or formatting problems.

Browser support for WebLogic Platform is dependent on the browser version and the Java plug-in for applet support.

- "Browser Support for WebLogic Platform Consoles" on page 2-6

- "Browser Support for the Use of Online Help within the Workshop for WebLogic IDE" on page 2-6

- "Browser Support for Applications using Apache Beehive" on page 2-5

- "Browser Support for Applets" on page 2-7

## Browser Support for WebLogic Platform Consoles

The following list summarizes browser support for the WebLogic Server, WebLogic Portal, and WebLogic Integration consoles:

- Microsoft Internet Explorer

  - 6.0 SP1 and later service packs

  - 7.0 and later service packs

- Mozilla FireFox

  - Firefox 1.0 (Deprecated, Oracle recommends moving to a supported version of the browsers listed.)

  - Firefox 1.5 (Deprecated, Oracle recommends moving to a supported version of the browsers listed.)

  - Firefox 2.0

## Browser Support for the Use of Online Help within the Workshop for WebLogic IDE

The following browsers are supported for viewing help content provided by the BEA Workshop IDE:

- Microsoft Internet Explorer

  - 6.0 SP1 and later service packs

  - 7.0 and later service packs

- Mozilla FireFox

&ndash; Firefox 1.0 (Deprecated, Oracle recommends moving to a supported version of the browsers listed.)

&ndash; Firefox 1.5 (Deprecated, Oracle recommends moving to a supported version of the browsers listed.)

&ndash; Firefox 2.0

## Browser Support for Applets

The following list summarizes browser support for applets:

- Sun Java Plug-in 1.4.x

- Sun Java Plug-in 1.5.x

# Firewalls

WebLogic Platform 10.0 supports network devices, such as firewalls, that properly support network protocols and the 7-Layer Network Model. BEA will perform root cause analysis on interaction problems between WebLogic Platform 10.0 and network devices, and it will address issues related to WebLogic Platform 10.0 as appropriate, but it cannot address network address issues.

Supported Web Servers, Browsers, and Firewalls

# Supported Database Configurations

The following sections describe the database and driver support provided by WebLogic Platform 10.0:

- "WebLogic Server Support for Databases" on page 3-1

- "WebLogic Platform Support for Databases" on page 3-7

## WebLogic Server Support for Databases

The following sections provide information on supported drivers and databases for application connectivity and use with WebLogic Server features:

- "WebLogic Server Support for Database Application Connectivity" on page 3-1

- "Databases Supporting WebLogic Server Features" on page 3-2

- "Supported Database Versions and Drivers for Oracle RAC" on page 3-5

### WebLogic Server Support for Database Application Connectivity

WebLogic Server provides support for application connectivity and communication with any database management system using a JDBC driver that meets the following requirements:

- The driver *must* be threadsafe. WebLogic Server is highly multithreaded and there are some drivers (the JDBC-ODBC bridge from Sun, for example) that cannot be used with WebLogic Server.

- The driver must implement standard JDBC transactional calls, such as `setAutoCommit()` and `setTransactionIsolation()`, when used in transactionally aware environments, such as for EJBs.

Note the following restrictions:

- Third-party JDBC drivers that do not implement serializable or remote interfaces cannot pass objects to an RMI client application.

- Certain features of WebLogic Server, such as Container Managed Persistence (CMP) and Rowsets, may not be supported with particular databases. See "Databases Supporting WebLogic Server Features" on page 3-2..

- Not all JDBC drivers can be used with WebLogic Server and Oracle RAC. See "Supported Database Versions and Drivers for Oracle RAC" on page 3-5.

- Automatic database connection failover and load balancing with global transactions (XA) in a highly-available (HA) DBMS architecture is supported with Oracle RAC only, and is not supported with other HA DBMS technologies. Transaction behavior for HA DBMSs varies from vendor to vendor and among various HA technologies. Because of these differences in behavior, the WebLogic Transaction Manager may not be able to complete or continue transactions with connections to a database other than the database instance used to originate the transaction. Attempts to do so may result in data consistency errors without any indication of an error.

For information on using JDBC drivers with WebLogic Server, see:

- *WebLogic Type 4 JDBC Drivers*.

- Configuring JDBC Data Sources in *Configuring and Managing WebLogic JDBC*.

- Using Third-Party Drivers with WebLogic Server in *Configuring and Managing WebLogic JDBC*.

## Databases Supporting WebLogic Server Features

When WebLogic Server features use a database for internal data storage, database support requirements are more restrictive than for application connectivity. The following WebLogic Server features require internal data storage:

- Container Managed Persistence (CMP)

- Rowsets

- JMS/JDBC Persistence and use of a WebLogic JDBC Store

- JDBC Session Persistence

- RDBMS Security Providers

- Database leasing (for singleton services and server migration)

- JTA Logging Last Resource optimization

The following table lists the types of databases and drivers supported for use with WebLogic Server features.

**Table 3-1  Database Support for WebLogic Server Features**

| Database Type | JDBC Driver | Notes |
|---|---|---|
| DB2 8.2 FixPak2 (equivalent to 8.1 FixPak 9) and later FixPaks | • BEA WebLogic Type 4 JDBC DB2 Driver<br>• BEA WebLogic Type 4 XA JDBC DB2 Driver | |
| DB2 9.1 and later FixPaks | • BEA WebLogic Type 4 JDBC DB2 Driver<br>• BEA WebLogic Type 4 XA JDBC DB2 Driver | |
| MySQL 4 | Connect/J | • The `mysql.jar` file is not bundled with WebLogic Server. It is available for download from:<br>http://dev.mysql.com /downloads/connector<br>• No XA or stored procedures support available. |
| MySQL 5 | Connect/J | No XA support available. |
| Microsoft SQL Server 2000 SP3+ | • BEA WebLogic Type 4 JDBC SQL Server Driver<br>• BEA WebLogic Type 4 XA JDBC SQL Server Driver | SQL Server 2000 is supported only on Microsoft operating systems. |
| Microsoft SQL Server 2005 | • BEA WebLogic Type 4 JDBC SQL Server Driver<br>• BEA WebLogic Type 4 XA JDBC SQL Server Driver | SQL Server 2005 is supported only on Microsoft operating systems. |

**Table 3-1  Database Support for WebLogic Server Features**

| | | |
|---|---|---|
| Sybase 12.5.03 and later patch levels of 12.5.x | • BEA WebLogic Type 4 JDBC Sybase Driver<br><br>• BEA WebLogic Type 4 XA JDBC Sybase Driver | |
| Sybase 15.0.x and later patch levels of 15.0.x | • BEA WebLogic Type 4 JDBC Sybase Driver<br><br>• BEA WebLogic Type 4 XA JDBC Sybase Driver | |
| PointBase 5.1 | PointBase Type 4 Driver | PointBase Server is an all-Java DBMS product included in the WebLogic Server distribution solely for evaluation purposes, either in the form of custom trial applications or through packaged sample applications provided with WebLogic Server. Non-evaluation development or other use of the PointBase Server requires that a separate PointBase Server license be obtained by the end user directly from DataMirror.<br><br>BEA evaluation license limits the size of the PointBase database to 30MB. |
| Oracle 9i (9.2.0.4 and later patch sets of 9.2.x) | • Oracle Thin Driver 10g<br>• Oracle Thin Driver 11g | Oracle Thin Drivers support the Oracle database versions that are listed. |
| Oracle 10gR1 (Oracle 10.1.0.4 and later patch sets of 10.1.x) | • Oracle Thin Driver 10g<br>• Oracle Thin Driver 11g | Oracle Thin Drivers support the Oracle database versions that are listed. |
| Oracle 10gR2 (Oracle 10.2.0.1 and later patch sets of 10.2.x) | • Oracle Thin Driver 10g<br>• Oracle Thin Driver 11g | Oracle Thin Drivers support the Oracle database versions that are listed. |

**Table 3-1  Database Support for WebLogic Server Features**

| Oracle 11gR1 (Oracle 11.1.0.6.0 and later patch sets of 11.1.x) | • Oracle Thin Driver 10g<br>• Oracle Thin Driver 11g | Oracle Thin Drivers support the Oracle database versions that are listed.<br><br>Supported for WebLogic Server 10.0MP1 and later MPs |
|---|---|---|
| Oracle 11gR2 (Oracle 11.2.0.1+) | • Oracle Thin Driver 10g<br>• Oracle Thin Driver 11g | Oracle Thin Drivers support the Oracle database versions that are listed.<br><br>Supported for WebLogic Server 10.0MP1 and later MPs |

## Supported Database Versions and Drivers for Oracle RAC

Automatic database connection failover and load balancing with global transactions (XA) in a highly-available (HA) DBMS architecture is supported with the following Oracle RAC versions and drivers:

**Table 3-2  Database Types and Drivers Supported by WebLogic Server 10.0**

| Database Type | JDBC Driver | Notes |
|---|---|---|
| Oracle 10gR2 RAC (for Oracle 10.2.0.1 and later patch sets of 10.2.x) | • Oracle Thin Driver 10g<br>• Oracle Thin Driver 11g | Oracle Thin Drivers support the Oracle database versions that are listed. |

**Table 3-2  Database Types and Drivers Supported by WebLogic Server 10.0**

| Database Type | JDBC Driver | Notes |
| --- | --- | --- |
| Oracle 11gR1 (Oracle 11.1.0.6.0 and later patch sets of 11.1.x) | • Oracle Thin Driver 10g<br>• Oracle Thin Driver 11g | • Oracle Thin Drivers support the Oracle database versions that are listed.<br>• Supported for WebLogic Server 10.0MP1 and later MPs<br>• Support for 11g RAC continues to rely on the well-proven integration architecture using Multi-Data Sources for XA with load balancing. See Using WebLogic Server with Oracle RAC in *Configuring and Managing WebLogic JDBC*. |
| Oracle 11gR2 (Oracle 11.2.0.1+) | • Oracle Thin Driver 10g<br>• Oracle Thin Driver 11g | • Oracle Thin Drivers support the Oracle database versions that are listed.<br>• Supported for WebLogic Server 10.0MP1 and later MPs<br>• Support for 11g RAC continues to rely on the well-proven integration architecture using Multi-Data Sources for XA with load balancing. See Using WebLogic Server with Oracle RAC in *Configuring and Managing WebLogic JDBC*. |

For information about configuring WebLogic Server with Oracle RAC, see:
http://e-docs.bea.com/wls/docs100/jdbc_admin/oracle_rac.html

# WebLogic Platform Support for Databases

The following sections provide information on supported drivers and databases for application connectivity and use with WebLogic Platform:

- "Databases Supporting WebLogic Platform" on page 3-7
- "WebLogic Platform Support for Oracle RAC" on page 3-9

## Databases Supporting WebLogic Platform

The following table lists the types of databases and drivers supported for use with WebLogic Server, WebLogic Portal, and BEA Workshop for WebLogic Platform.

**Table 3-3  Database Types and Drivers Supported by WebLogic Platform**

| Database Type | JDBC Driver | Notes |
|---|---|---|
| DB2 8.2 FixPak2 (equivalent to 8.1 FixPak 9) and later FixPaks | • BEA WebLogic Type 4 JDBC DB2 Driver<br>• BEA WebLogic Type 4 XA JDBC DB2 Driver | |
| DB2 9.1 and later FixPaks | • BEA WebLogic Type 4 JDBC DB2 Driver<br>• BEA WebLogic Type 4 XA JDBC DB2 Driver | |
| MySQL 4 | Connect/J | • Not supported with WebLogic Portal.<br>• The mysql.jar file is not bundled with ProductName. It is available for download from:<br>http://dev.mysql.com /downloads/connector<br>• No XA or stored procedures support available. |
| MySQL 5 | Connect/J | No XA support available. |

**Table 3-3  Database Types and Drivers Supported by WebLogic Platform**

| | | |
|---|---|---|
| Microsoft SQL Server 2000 SP3+ | • BEA WebLogic Type 4 JDBC SQL Server Driver<br><br>• BEA WebLogic Type 4 XA JDBC SQL Server Driver | SQL Server 2000 is supported only on Microsoft operating systems. |
| Microsoft SQL Server 2005 | • BEA WebLogic Type 4 JDBC SQL Server Driver<br><br>• BEA WebLogic Type 4 XA JDBC SQL Server Driver | SQL Server 2005 is supported only on Microsoft operating systems. |
| Sybase 15.0.x and later patch levels of 15.0.x | • BEA WebLogic Type 4 JDBC Sybase Driver<br><br>• BEA WebLogic Type 4 XA JDBC Sybase Driver | |
| Sybase 12.5.03 and later patch levels of 12.5.x | • BEA WebLogic Type 4 JDBC Sybase Driver<br><br>• BEA WebLogic Type 4 XA JDBC Sybase Driver | |
| PointBase 5.1 | PointBase Type 4 Driver | PointBase Server is an all-Java DBMS product included in the WebLogic Server distribution solely for evaluation purposes, either in the form of custom trial applications or through packaged sample applications provided with WebLogic Server. Non-evaluation development or other use of the PointBase Server requires that a separate PointBase Server license be obtained by the end user directly from DataMirror.<br><br>BEA evaluation license limits the size of the PointBase database to 30MB. |
| Oracle 9i (9.2.0.4 and later patch sets of 9.2.x) | • Oracle Thin Driver 10g<br>• Oracle Thin Driver 11g | Oracle Thin Drivers support the Oracle database versions that are listed. |

**Table 3-3  Database Types and Drivers Supported by WebLogic Platform**

| | | |
|---|---|---|
| Oracle 10gR1 (Oracle 10.1.0.4 and later patch sets of 10.1.x) | • Oracle Thin Driver 10g<br>• Oracle Thin Driver 11g | Oracle Thin Drivers support the Oracle database versions that are listed.<br><br>Not supported by WebLogic Portal. |
| Oracle 10gR2 (Oracle 10.2.0.1 and later patch sets of 10.2.x) | • Oracle Thin Driver 10g<br>• Oracle Thin Driver 11g | Oracle Thin Drivers support the Oracle database versions that are listed. |

# WebLogic Platform Support for Oracle RAC

Automatic database connection failover and load balancing with global transactions (XA) in a highly-available (HA) DBMS architecture is supported with the following Oracle RAC versions and drivers:

**Table 3-4  Database Types and Drivers Supported by WebLogic Platform**

| Database Type | JDBC Driver | Notes |
|---|---|---|
| Oracle 10gR2 RAC (for Oracle 10.2.0.1 and later patch sets of 10.2.x) | • Oracle Thin Driver 10g<br>• Oracle Thin Driver 11g | Oracle Thin Drivers support the Oracle database versions that are listed. |

For information about configuring WebLogic Server with Oracle RAC, see:
http://e-docs.bea.com/wls/docs100/jdbc_admin/oracle_rac.html

Supported Database Configurations

# Supported Interoperability Tools

This section describes the following interoperability tools that are supported for use with WebLogic Server 10.0.

## WebLogic Server Support for Jolt

Jolt is a Java-based client API that manages requests to BEA Tuxedo services via a Jolt Service Listener (JSL) running on the Tuxedo server. For more information on Tuxedo and Jolt, see BEA Tuxedo Documentation.

Jolt client 9.x should be used with BEA WebLogic Server to interoperate with Tuxedo server.

## WebLogic Server Support for WebLogic Tuxedo Connector

WebLogic Tuxedo Connector supports the following Tuxedo releases:

- Tuxedo 10.0 (ATMI and CORBA)

- Tuxedo 9.1 (ATMI and CORBA)

- Tuxedo 9.0 (ATMI and CORBA)

- Tuxedo 8.1 (ATMI and CORBA)

- Tuxedo 8.0 (ATMI and CORBA)

- Tuxedo 7.1 (ATMI)

- Tuxedo 6.5 (ATMI)

# WebLogic Server Support for the WebLogic C API

The WebLogic C API enables programs written in C to participate in JMS applications using the Java Native Interface (JNI) to access a Java Virtual Machine (JVM). For this release, the JMS C API adheres to the JMS Version 1.1 specification to promote the porting of Java JMS 1.1 code. For more information, see "WebLogic JMS C API" in *Programming WebLogic JMS* at:

http://e-docs.bea.com/wls/docs100/jms/C_api.html

For this release, BEA supports the JMS C API on the following operating systems:

- HP-UX 11i, 11i V2 on PA-RISC

- HP-UX 11i V2, 11i V3 on Itanium

- IBM AIX 5.2 and 5.3

- Microsoft Windows:
    - 2000 Professional on x86
    - 2000 Server, Advanced Server, Datacenter on x86
    - Server 2003 Standard, Enterprise, and Datacenter on x86, AMD64 and 64-bit Xeon, Itanium
    - XP on x86

- Novell SUSE Linux Enterprise Server
    - 9, 10 on x86
    - 9, 10 on AMD64 and 64-bit Xeon
    - 9, 10 on Itanium

- Red Hat Enterprise Linux
    - 4.0, 5.0 on 64-bit Xeon/AMD64
    - 4.0, 5.0 on Itanium

- Sun Solaris 8, 9, and 10 on SPARC

- Sun Solaris 9 and 10 on x86

- Sun Solaris 10 on 64-bit AMD64

# Product Support Information

The following sections provide product support information about WebLogic Platform 10.0:

## Important Support Information

The following sections provides guidance about high-level support policies:

# WebLogic Platform 10.0 Support

Oracle supports WebLogic Platform 10.0 on the configurations supported in this document. The supported configurations include multiple combinations of hardware, operating systems, JDKs, database systems, Web servers, and browsers that can be used with software. We are working to increase the number of configurations we support, and will update this information as new supported configurations are added.

Please contact your sales representative for information about configurations not listed in this document. Note that even using a supported configuration does not guarantee that you will never encounter operating system and JVM issues while running your application. We suggest that customers regularly check their operating system and JVM vendor Web sites for information and patches recommended by those vendors.

# Supported Hardware

This section provides information about WebLogic Platform's:

- "Support Policy for Compatible Hardware Architectures" on page 5-2
- "Support for Intel 64-bit Xeon Hardware" on page 5-2
- "Support for BladeFrame Architecture" on page 5-3

## Support Policy for Compatible Hardware Architectures

Oracle products are certified for particular hardware chip architectures, as specified in "List of Supported Operating System Configurations" on page 1-1. In some cases, a single chip architecture is provided by multiple vendors. Oracle supports such implementations when they are certified for compliance by their respective owners. For example:

- Fujitsu offers a line of machines called Primepower. Because Sun has certified Primepower systems for SPARC compatibility, all Primepower computers are supported for any SPARC-based system listed in "List of Supported Operating System Configurations" on page 1-1.
- The IA32-compatible (that is, x86/Xeon-compatible) architecture that is supported in the same manner by AMD.

## Support for Intel 64-bit Xeon Hardware

Intel's 64-bit Xeon hardware is capable of running in either of two modes: with 64-bit extended addressing or as an IA32 (x86/Xeon) machine:

- If 64-bit Xeon is explicitly listed in "List of Supported Operating System Configurations" on page 1-1, this architecture will support 64-bit extended addressing.

- If 64-bit Xeon is *not* listed in "List of Supported Operating System Configurations," this architecture will be supported only for use as an IA32 machine with the supported 32-bit operating systems and SDKs for x86-based systems listed in "List of Supported Operating System Configurations" on page 1-1.

### Support for BladeFrame Architecture

WebLogic Platform supports BladeFrame architectures on any configuration of operating system, hardware chip architecture, and SDK that is listed in "List of Supported Operating System Configurations" on page 1-1.

## Compatibility of WebLogic Server 10.0 with Previous Releases

Oracle attempts to support binary and source-level compatibility between the current version of WebLogic Server and all versions as far back as 8.1 in the areas of persistent data, generated classes, API, and protocol compatibility. For more detailed information, see Compatibility Statement for WebLogic Server 10.0.

## Supported Non-Oracle Virtualization and Partitioning Technologies

- For supported non-Oracle Virtualization and Partitioning technologies, refer to *http://www.oracle.com/technology/products/ias/hi_av/oracleas_supported_virtualization.html.*

## Support for Server Migration

The following sections provide support information on Server Migration for this release:

- "Supported Platforms for Server Migration" on page 5-3

- "Support for Leasing Implementations for Server Migration" on page 5-4

For detailed information on server migration, see Migration in *Using WebLogic Server Clusters*.

### Supported Platforms for Server Migration

The following section lists the configurations on which BEA supports Server Migration for this release:

- Solaris

- Linux

- Microsoft Windows

- HP-UX

### Support for Leasing Implementations for Server Migration

This release supports high-availability database leasing and non-database (in-memory) leasing. See "Databases Supporting WebLogic Server Features" on page 3-2 for information on supported databases.

## Development Platforms

WebLogic Platform 10.0 support Development Platforms for the design, development, and verification of applications; they are not supported for production server deployments. Development Platforms are identified in the detailed *Supported Configurations* page for each platform.

## Support Policy for Third-Party JVMs

A Java Virtual Machine (JVM) is required for WebLogic Server to run. For your convenience, in most cases the WebLogic installation program includes a JVM for creation of WebLogic domain configurations and use of WebLogic software. For details, see the installation guide for WebLogic Server.

If the JVM used in your configuration is not the Oracle JRockit JVM, but a JVM provided by a third party, Oracle cannot directly resolve potential issues traced to the third-party JVM. Support for a third-party JVM must be provided by the JVM vendor.

The version of any third-party JVM bundled by Oracle is recommended by the JVM vendor at the time Oracle releases its product. Because the versions of JVMs supported by vendors change over time, please consult with your JVM vendor and confirm the latest configurations in the documentation for your operating system before using a third-party JVM. To find the documentation for your operating system, see "List of Supported Operating System Configurations" on page 1-1.

## Installation Information

For the standard method of installing WebLogic Platform and WebLogic Server, see *Products Installation Guide*. If special installation instructions are required, they are provided along with the operating system and hardware configurations on which BEA supports WebLogic Platform and WebLogic Server. For information about distribution methods for WebLogic Platform and WebLogic Server, see Product Distribution Methods.

## End-of-Life and Product Life Cycle Policy Information

- For information on Oracle's lifetime support policy for Oracle products, see *http://www.oracle.com/support/lifetime-support-policy.html*.

- For notification of third-party products reaching end-of-life, see Products End-of-Life Announcements.

Product Support Information

# Autonomy Support

WebLogic Portal uses certain products from Autonomy for searching unstructured or structured data, including content stored in the BEA Content Repository. The following sections provide information on support for local and remote Autonomy installations:

## Support for Local Autonomy Installation

Where possible, the WebLogic Portal installer includes the required Autonomy components and is referred to as a local Autonomy installation. Local Autonomy is only supported on platforms using a 32-bit JDK. The following table provides the operating system and hardware where the WebLogic Portal supports local Autonomy installation:

**Table 6-1  Support for Local Autonomy Installation**

| Operating System and Hardware[1] |
| --- |
| Solaris 9 on SPARC |
| Solaris 10 on SPARC |
| Microsoft Windows 2000 on x86 |
| Microsoft Windows XP on x86 |

**Table 6-1  Support for Local Autonomy Installation**

| |
|---|
| Microsoft Windows 2003 on: |
| • x86 |
| • AMD64 and 64-Bit Xeon |
| HP-UX 11i v2, v3 on PA-RISC |
| HP-UX 11i v2, v3 on Itanium |
| IBM AIX 5.2 - ML7 |
| IBM AIX 5.3 - ML3 |
| Novell SUSE Linux Enterprise 9, 10 on x86 |
| Red Hat Enterprise Linux 4.0, 5.0 on x86 |

1. Supported only when using a 32-bit JDK.

See http://dev2dev.bea.com/wlportal/autonomy/index.html.

# Using a Remote Autonomy Installation

The following sections provide information on using a remote Autonomy Installation:

- "Support for Remote Autonomy Installation" on page 6-2
- "Requirements for Remote Autonomy Installation" on page 6-3
- "How to create a Remote Autonomy Installation" on page 6-4
- "Setting Up BEA Content Management Search" on page 6-5

## Support for Remote Autonomy Installation

The WebLogic Portal installer for certain platforms does not include these Autonomy components due to incompatibilities between the supported operating system, WebLogic Portal, and Autonomy. In these situations, you must choose an alternate supported operating system on which to run Autonomy. Remote Autonomy installations are supported for platforms using 32-bit and 64-bit JDKs.This installation is remote to your WebLogic Portal installation. Remote Autonomy installations are supported for platforms using 32- bit and 64-bit JDKs. The following

table provides the operating system and hardware where the WebLogic Portal supports remote Autonomy installation:
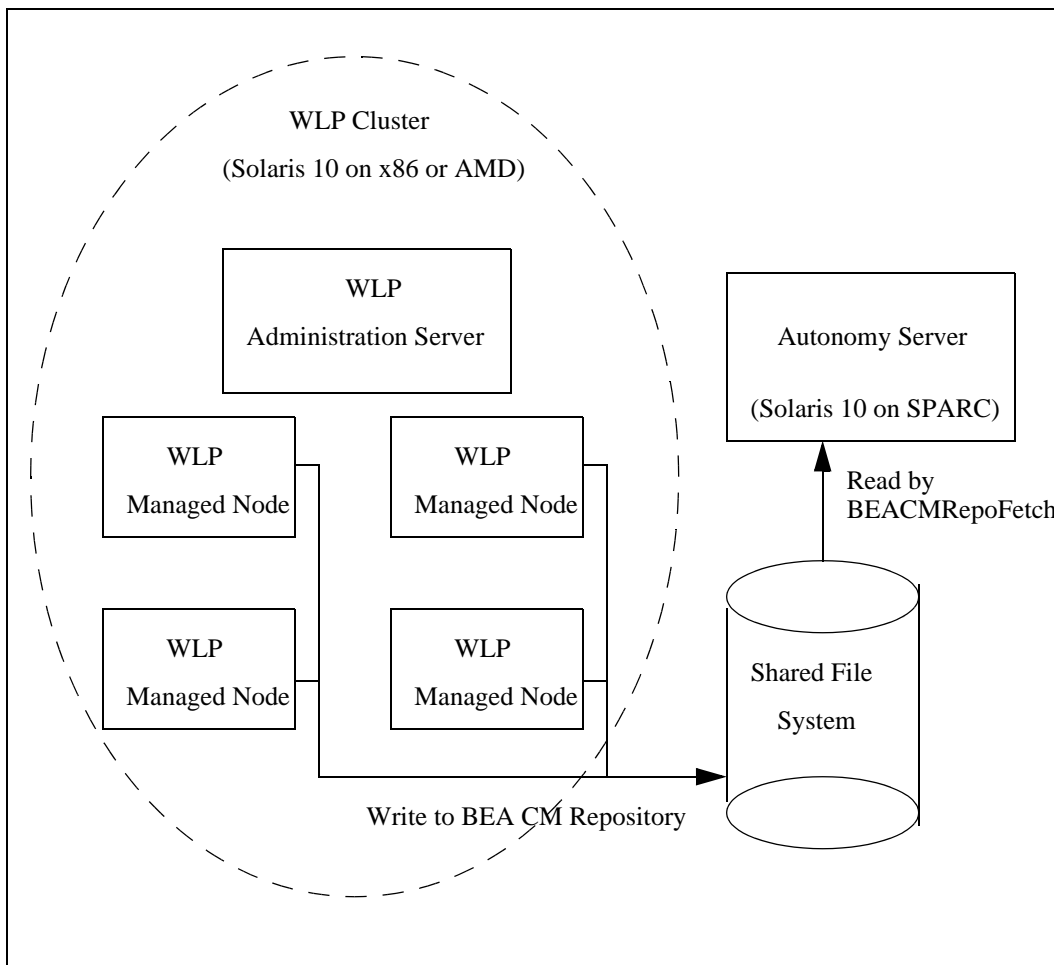
**Table 6-2  Support for Remote Autonomy Installation**

| Operating System and Hardware[1] |
| --- |
| Solaris 9 on x86 |
| Solaris 10 on x86 |
| Solaris 10 on AMD64 |
| Novell SUSE Linux Enterprise 9, 10 on AMD64 and 64-bit Xeon |
| Novell SUSE Linux Enterprise 9, 10 on Itanium |
| Red Hat Enterprise Linux 4.0, 5.0 on AMD64 and 64-bit Xeon |
| Red Hat Enterprise Linux 4.0, 5.0 on Itanium |

1. Supports platforms using 32-bit and 64-bit JDKs.

# Requirements for Remote Autonomy Installation

In a configuration where WebLogic Portal is running on an operating system that is not supported by Autonomy, you must provide a shared file system that can be written to by each of your WebLogic Portal servers and is also accessible by the server that is hosting Autonomy. This allows the Content Repository to continue to utilize Autonomy components for indexing and searching content. The following figure provides a simple example of a remote Autonomy installation using a shared file system:

**Figure 6-1  Example Remote Autonomy Installation**



## How to create a Remote Autonomy Installation

Use the following steps to create a remote Autonomy installation:

1. Choose an alternate supported operating system (target OS) on which to run Autonomy.

2. Go to the BEA download site at http://commerce.bea.com/index.jsp.

3. Click on the link for BEA WebLogic.

4. Click on the link for BEA WebLogic Portal 10.0.

5. From the list of OS Platforms, select the installer for your target OS.

6. Install WebLogic Portal 10.0.

7. Optional, when the installation process is complete, you may remove any or all of the non-Autonomy related artifacts such as WebLogic Server 10.0, Workshop Runtime for WebLogic Platform 10.0, or WebLogic Portal 10.0.

8. Navigate to
   `WL_HOME`/portal/thirdparty/autonomy-wlp100/<operating_system_directory>
   and configure autonomy and BEACMRepoFetch as documented.

9. Use the instructions in Configuring Autonomy on Your Target Server in *BEA WebLogic Portal 10.0 Integrating Search* to configure your Autonomy installation.

   **Caution:** Do not move or copy any Autonomy files from this installation.

10. Use the instructions in Setting up BEA Content Management Search in *BEA WebLogic Portal 10.0 Integrating Search* to configure the BEA Content Management Fetch.

## Setting Up BEA Content Management Search

Use the following steps to utilize a shared file system to configure a BEA Content Management search:

1. Create a shared directory using the tools and instructions according to your target operating system platform(s) where `shared_drive` is the name of your shared drive.

2. On the Autonomy host, mount `shared_drive`.

3. For each Weblogic Portal 10.0 managed server in your cluster, mount `shared_drive`.

   **Note:** Mount `shared_drive` with the same exact mapping on each managed server.

4. Set the `WLP_SEARCH_OPTION` environment variable to `none` on each managed server to prevent Autonomy from starting with WebLogic Portal instance.

5. Using the WebLogic Portal Administration Console, set the `search.staging.area` repository property to `shared_drive` after the *WL_HOME* environment variable is set. For more information on setting other Autonomy properties, see Adding Autonomy Properties to your BEA Repository in *BEA WebLogic Portal 10.0 Integrating Search*.

6. If *shared_drive* on the Autonomy host is not *WL_HOME*`/portal/thirdparty/autonomy-wlp100/internal/BEACMRepoTemp`, use a text editor to modify the `DirectoryPathCSVs` variable under the `BEACMRepoImport` and `BEACMRepoIDXImport` to point to *shared_drive*`/binary` and *shared_drive*`/nonbinary` in the *WL_HOME*`/portal/thirdparty/autonomy-wlp100/`*<operating_system_directory>*`/internal/BEACMRepoFetch/BEACMRepoFetch.cfg` file.

7. Start the Autonomy components on the Autonomy host. See the `autonomy.sh` or `autonomy.cmd` file in *WL_HOME*`/portal/thirdparty/autonomy-wlp100` for a sample start script.