



BEA WebLogic Platform™

**7.0 Supported
Configurations: IBM AIX
5.1 on PowerPC**

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AIX 5.1 on PowerPC, POWER3, POWER4, and POWER5 with 7.0 SP7

Product Components Supported on this Configuration

	WebLogic Server	WebLogic Workshop	WebLogic Integration	WebLogic Portal
Run-time	✓	✓	✓	✓
Design/Dev Tools*	✓	✗	✗	✗

* For design and development tools support, see the "Configuration Requirements" section below.

✓ Supported

✗ Not supported

This section provides the following information:

- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Installation Instructions](#)

Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 7.0 Supported Configurations](#).
- For details about IBM AIX 5.1, visit IBM's Web site: <http://www.ibm.com>.

Configuration Requirements

Table 1-1 Requirements for 7.0 SP7 on AIX 5.1 on PowerPC, POWER3, POWER4, and POWER5

Operating System Version and Patches	AIX v5.1 ML8	
Chip Architecture and Minimum Processor Speed	<ul style="list-style-type: none"> POWER3 (450 MHz) POWER4 (1.1 GHz) POWER5 (1.5 GHz) 	
SDK	IBM SDK 1.4.2 SR4-1 32-bit (APAR IY81443) Java™ 2 Runtime Environment, Standard Edition (build 1.4.2) Classic VM (build 1.4.2, J2RE 1.4.2 IBM AIX build ca142ifx-20060209 (SR4-1) (JIT enabled: jitc))	This SDK is not provided with WebLogic Platform; you must download it from the IBM Web site and install it, manually, on your system. For instructions, see: <ul style="list-style-type: none"> Downloading and Installing the IBM SDK Base Downloading IBM SDK Fixes: 1.4.2 APAR IY81443 <p>Note: BEA recommends upgrading to the SR4-1 version of the SDK.</p>
Design and Development Tools	Supports WebLogic Server development tools. For more information about WebLogic Platform design and development tools support, see “Supported Configurations for Design and Development Tools in Version 7.0 SP7” in <i>Supported Configurations for WebLogic Platform 7.0</i> .	
RAM	512 MB required; 1 GB recommended	
Disk Space	For any components of WebLogic Platform or for the full WebLogic Platform product, see Disk Space Requirements .	
Performance Pack	Included	lib/aix/libmuxer.so
Node Manager	Included	Native
BEA jDrivers for Oracle	Oracle 9.2.0	The following shared libraries are provided: <ul style="list-style-type: none"> lib/aix/oci920_8/libweblogicoci38.so lib/aix/oci920_8/libweblogicoxa38.so

Known Issues

Issue	Workaround
WebLogic Integration RosettaNet 2 Security tests fail on IBM AIX due to hard-coded Sun security classes in the WebLogic Integration B2B security code.	Contact BEA Customer Support for the required patch.
Servers may fail on startup with a broken pipe or a connection reset by a peer.	Try removing the loopback entries from the default routing table. For more information, see http://www-1.ibm.com/support/docview.wss?uid=swg21040968
The default buffer size for UDP_SENDSIZE is 9216 (9k), but fragments sent by WebLogic Server may be up to 32K, so using a buffer size smaller than 32k may cause an I/O exception.	<ol style="list-style-type: none"> 1. Set the buffer size to 32 KB by issuing the following command: no -o udp_sendspace=32768 2. Reboot WebLogic Server.
WebLogic Workshop on AIX does not support DB2.	If you want to run WebLogic Workshop on AIX, use a database other than DB2. For information about supported databases, see “Supported Database Configurations” in <i>Supported Configurations for WebLogic Platform 7.0</i> .
When the WebLogic Integration EDI Sample is run on an AIX configuration with Power.Enterprise! 3.4, attempts to validate outbound documents fail with the following error message: Unable to validate the target document	<ol style="list-style-type: none"> 1. Open the following JAR file: \$WEBLOGIC_HOME/samples/integration/samples/edi/POAckXMLtoEDI855.jar 2. Extract the following file: X12-855-004010.xml 3. In a text editor, open X12-855-004010.xml. 4. Change the value of the MaxLen attribute to 15.
An exception is thrown during an attempt to create, within a DB2 database, a table that includes a field with a name that contains more than 18 characters. The issue is being tracked with CR182245.	Create a table in which the field names contain fewer than 18 characters. For details of the DB2 Fieldname size limitation, see: http://publib.boulder.ibm.com/infocenter/db2v7luw/index.jsp?topic=/com.ibm.db2v7.doc/db2s0/cr8tnsfm.htm

For more information about known issues with any components of this release, see the appropriate *Release Notes* document. For a complete list of *Release Notes* supporting WebLogic Platform 7.0, see:

<http://e-docs.bea.com/platform/docs70/interm/relnotes.html>

IBM JVM Updates For DST

IBM has released a Timezone Update Utility to update DST data without the need to upgrade Java. See [IBM Time Zone Update Utility for Java™](#).

Download and Installation Instructions

Before you can run WebLogic Platform 7.0 SP7 on an IBM AIX 5.1 system, you must have an SDK configuration (SDK base plus fixes) at the following level: IBM SDK 1.4.2 SR4-1 32-bit (APAR IY81443) : ca142ifx-20060209.

This section provides instructions for:

- [Downloading and Installing the IBM SDK Base](#)
- [Downloading IBM SDK Fixes: 1.4.2 APAR IY81443](#)
- [Downloading and Installing WebLogic Platform 7.0 SP7](#)

Downloading and Installing the IBM SDK Base

Complete the following procedure to download and install the IBM SDK 1.4.2 on IBM AIX (32-bit) build ca1420-20040626:

1. Go to the IBM Download site:
<http://www-106.ibm.com/developerworks/java/jdk/aix/service.html>
2. Download the GA version of the IBM SDK 1.4.2.
3. Install the IBM SDK 1.4.2 on your system.

Downloading IBM SDK Fixes: 1.4.2 APAR IY81443

To download and install the IBM SDK 142SR4-1 (IY81443) on an AIX system, complete the following procedure.

1. Verify that the GA version of the IBM SDK 1.4.2 for AIX is installed on your system:

- If it is already installed, skip to step 2.
 - If it is not installed, download it from the IBM SDK download site and install it on your system. For instructions, see the previous section, [Downloading and Installing the IBM SDK Base](#).
2. Go to the following IBM download site:
<https://techsupport.services.ibm.com/server/aix.fdc>
 3. Set the search criteria to the following:
 - Product Family: From the drop-down list, select the following entry:
 System i5 family
 - Product: From the drop-down list, select the following entry:
 AIX operating system
 - Version: From the drop-down list, select the following entry:
 5.1
 - Fix Type: From the drop-down list, select the following entry:
 Specific Fixes
 - Click Continue.
 - Search by: Specify an APAR number or abstract
 - Search string: Specify "IY81443"
 4. Following the instructions displayed on the screen, make the selections necessary to download and install the specified APAR.
 5. To verify that the required SDK fix is now installed on your system, run the following command:

```
/usr/java14/bin/java -version
```

Make sure the following output is displayed:

```
java version "1.4.2"
Java(TM) 2 Runtime Environment, Standard Edition (build 1.4.2)
Classic VM (build 1.4.2, J2RE 1.4.2 IBM AIX build ca142ifx-20060209
(SR4-1) (JIT enabled: jitc))
```

Downloading and Installing WebLogic Platform 7.0 SP7

To install WebLogic Platform 7.0 SP7, complete the following procedure:

1. Go to the BEA download site and download the IBM AIX installer for 7.0 SP7:

<http://commerce.bea.com/index.jsp>

The following installers are available.

Installer	Filename
WebLogic Platform package installer	<code>pj_platform707_generic.jar</code>
WebLogic Platform net installer	<code>net_pj_platform707_generic.jar</code>
WebLogic Server package installer	<code>pj_server707_generic.jar</code>

2. Install WebLogic Platform or WebLogic Server by following the instructions provided at the BEA documentation Web site. See:

<http://e-docs.bea.com/platform/docs70/install/index.html>

AIX 5.1 on PowerPC, POWER3, POWER4, and POWER5 with 7.0 SP6

Product Components Supported on this Configuration

	WebLogic Server	WebLogic Workshop	WebLogic Integration	WebLogic Portal
Run-time	✓	✓	✓	✓
Design/Dev Tools*	✓	✗	✗	✗

* For design and development tools support, see the “Configuration Requirements” section below.

✓ Supported
✗ Not supported

This section provides the following information:

- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Installation Instructions](#)

Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 7.0 Supported Configurations](#).
- For details about IBM AIX 5.1, visit IBM’s Web site: <http://www.ibm.com>.

Configuration Requirements

Table 2-1 Requirements for 7.0 SP6 on AIX 5.1 on PowerPC, POWER3, POWER4, and POWER5

Operating System Version and Patches	AIX v5.1 ML6	
Chip Architecture and Minimum Processor Speed	<ul style="list-style-type: none">POWER3 (450 MHz)POWER4 (1.1 GHz)POWER5 (1.5 GHz)	
SDK	IBM SDK 1.3.1 SR8 32-bit (APAR IY65310) Java™ 2 Runtime Environment, Standard Edition (build 1.3.1) Classic VM (build 1.3.1, J2RE 1.3.1 IBM AIX build ca131-20041210 (JIT enabled; jitc))	<p>This SDK is not provided with WebLogic Platform; you must download it from the IBM Web site and install it, manually, on your system. For instructions, see:</p> <ul style="list-style-type: none">Downloading and Installing the IBM SDK BaseDownloading IBM SDK Fixes: 1.3.1 APAR IY65310 <p>Note: BEA recommends upgrading to the SR8 version of the SDK.</p>
Design and Development Tools	<p>Supports WebLogic Server development tools.</p> <p>For more information about WebLogic Platform design and development tools support, see “Supported Configurations for Design and Development Tools in Version 7.0 SP6” in <i>Supported Configurations for WebLogic Platform 7.0</i>.</p>	
RAM	512 MB required; 1 GB recommended	
Disk Space	For any components of WebLogic Platform or for the full WebLogic Platform product, see Disk Space Requirements .	
Performance Pack	Included	lib/aix/libmuxer.so
Node Manager	Included	Native

Table 2-1 Requirements for 7.0 SP6 on AIX 5.1 on PowerPC, POWER3, POWER4, and POWER5

BEA jDrivers for Oracle	For this Oracle client version:	The following shared libraries are provided:
	Oracle 8.1.7	<ul style="list-style-type: none"> lib/aix/oci817_8/libweblogicoci38.so lib/aix/oci817_8/libweblogicoxa38.so
	Oracle 9.2.0	<ul style="list-style-type: none"> lib/aix/oci920_8/libweblogicoci38.so lib/aix/oci920_8/libweblogicoxa38.so

Known Issues

Issue	Workaround
Servers may fail on startup with a broken pipe or a connection reset by a peer.	Try removing the loopback entries from the default routing table. For more information, see http://www-1.ibm.com/support/docview.wss?uid=swg21040968
The default buffer size for UDP_SENDSPEACE is 9216 (9k), but fragments sent by WebLogic Server may be up to 32K, so using a buffer size smaller than 32k may cause an I/O exception.	<ol style="list-style-type: none"> Set the buffer size to 32 KB by issuing the following command: no -o udp_sendspace=32768 Reboot WebLogic Server.
WebLogic Workshop on AIX does not support DB2.	If you want to run WebLogic Workshop on AIX, use a database other than DB2. For information about supported databases, see “Supported Database Configurations” in <i>Supported Configurations for WebLogic Platform 7.0</i> .
When the WebLogic Integration EDI Sample is run on an AIX configuration with Power.Enterprise! 3.4, attempts to validate outbound documents fail with the following error message: Unable to validate the target document	<ol style="list-style-type: none"> Open the following JAR file: \$WEBLOGIC_HOME/samples/integration/samples/edi/POAckXMLtoEDI855.jar Extract the following file: X12-855-004010.xml In a text editor, open X12-855-004010.xml. Change the value of the MaxLen attribute to 15.

Issue	Workaround
<p>An exception is thrown under the following circumstances:</p> <ol style="list-style-type: none">1. You upgrade from 7.0 SP5 to 7.0 SP6, using the Upgrade installer or Smart Update.2. Later you perform a rollback from 7.0 SP6 to SP5.3. You start the e2e server. <p>The server starts up properly but an exception is thrown.</p> <p>This issue is being tracked with CR189177.</p>	<p>To avoid causing an exception when you start the e2e server after performing a rollback from 7.0 SP6 to 7.0 SP5, after the rollback procedure remove the following files from the e2eDomain folder:</p> <p><code>_ServletContextidnameDbmsEventRoutercontext pathDbmsEventRouter_EventRouter.xml</code></p> <p><code>_ServletContextidnameDbmsEventRoutercontext pathDbmsEventRouter_tmp</code></p> <p><code>running-managed-servers.xml</code></p> <p>If you remove these files before starting the e2e server, no exception is thrown.</p>
<p>An exception is thrown while SSL transactions are underway.</p>	<p>The WebLogic server is not compatible with the IBM JSSE implementation shipped with the AIX JDK1.3.1SR8. Remove the <code>ibmjsse.jar</code> from your <code>\$JAVAHOME/jre/lib/ext</code> directory to use the WebLogic security implementation.</p>
<p>An exception is thrown during an attempt to create, within a DB2 database, a table that includes a field with a name that contains more than 18 characters. The issue is being tracked with CR182245.</p>	<p>Create a table in which the field names contain fewer than 18 characters. For details of the DB2 Fieldname size limitation, see:</p> <p>http://publib.boulder.ibm.com/infocenter/db2v7luw/index.jsp?topic=/com.ibm.db2v7.doc/db2s0/cr8tnsfm.htm</p>

For more information about known issues with any components of this release, see the appropriate *Release Notes* document. For a complete list of *Release Notes* supporting WebLogic Platform 7.0, see:

<http://e-docs.bea.com/platform/docs70/interm/relnotes.html>

IBM JVM Updates For DST

IBM has released a Timezone Update Utility to update DST data without the need to upgrade Java. See [IBM Time Zone Update Utility for Java™](#).

Download and Installation Instructions

Before you can run WebLogic Platform 7.0 SP6 on an IBM AIX 5.1 system, you must have an SDK configuration (SDK base plus fixes) at the following level: IBM SDK 1.3.1 SR8 32-bit (APAR IY65310): ca131-20041210.

This section provides instructions for:

- [Downloading and Installing the IBM SDK Base](#)
- [Downloading IBM SDK Fixes: 1.3.1 APAR IY65310](#)
- [Downloading and Installing WebLogic Platform 7.0 SP6](#)

Downloading and Installing the IBM SDK Base

1. Go to the “Downloads: IBM developer kits” page on the IBM Web site:
<http://www.ibm.com/developerworks/java/jdk/index.html>
2. From the Java 2 Standard Edition Downloads list, select “AIX 1.3 and 1.4 (32-bit and 64-bit).”

The “IBM Developer’s Kits for AIX, Java Technology Edition” page is displayed.

3. In the menu on the right side of the page, click “Download.”

A table containing a list of kits is displayed.

4. In the Java Version column, click “1.3.1.”

The “IBM AIX Developer Kit and Runtime, Java Technology Edition” page is displayed, prompting you to log in.

5. Log in to the site with your user ID and password.

A list of the filesets that make up the IBM SDK 1.3.1 is displayed.

6. Download and install the filesets listed under “IBM AIX Developer Kit Base code.”

Once the IBM SDK base is installed, you can download and install the SDK fixes required for your system. See the following section for instructions on downloading IBM SDK 1.3.1 SR8 32-bit (APAR IY65310).

Downloading IBM SDK Fixes: 1.3.1 APAR IY65310

IBM SDK 1.3.1 APAR IY65310 is required for WebLogic Server 7.0. To download it from IBM, complete the following steps:

1. Go to the IBM pSeries Support page at:

<http://www-912.ibm.com/eserver/support/fixes/fcgui.jsp>

2. Set the search criteria to the following:
 - Server: e-server p5, pSeries, Open Power, and Bladecentre JS20
 - Product or fix type: select AIX operating system, cluster software, and Java, and click “continue.”
 - Option: Under “Specific Fixes,” click “AIX 5.1.”
 - Search By: APAR number or abstract
 - Search String: IY65310

The IY65310 APAR is listed. Click “add to my download list” and “continue.”

3. Download and install the fix package.
4. Verify that the package is applied by running the following command:

```
$ instfix -ivqk IY65310
```

Downloading and Installing WebLogic Platform 7.0 SP6

To install WebLogic Platform 7.0 SP6, complete the following procedure:

1. Go to the BEA download site and download the IBM AIX installer for 7.0 SP6:

<http://commerce.bea.com/index.jsp>

The following installers are available.

Installer	Filename
WebLogic Platform package installer	<code>pj_platform706_generic.jar</code>
WebLogic Platform net installer	<code>net_pj_platform706_generic.jar</code>
WebLogic Server package installer	<code>pj_server706_generic.jar</code>

2. Install WebLogic Platform or WebLogic Server by following the instructions provided at the BEA documentation Web site. See:

<http://e-docs.bea.com/platform/docs70/install/index.html>

AIX 5.1 on PowerPC, POWER3, POWER4, and POWER5 with 7.0 SP6

AIX 5.1 on PowerPC, POWER4 with 7.0 SP5

Product Components Supported on this Configuration

	WebLogic Server	WebLogic Workshop	WebLogic Integration	WebLogic Portal
Run-time	✓	✓	✓	✓
Design/Dev Tools*	✓	✗	✗	✗

* For design and development tools support, see the "Configuration Requirements" section below.

✓ Supported
✗ Not supported

This section provides the following information:

- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Installation Instructions](#)

Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 7.0 Supported Configurations](#).
- For details about IBM AIX 5.1, visit IBM’s Web site: <http://www.ibm.com>.

Configuration Requirements

Table 3-1 Requirements for 7.0 SP5 on AIX 5.1 on PowerPC, POWER4

Operating System Version and Patches	AIX v5.1 ML5	
Chip Architecture and Minimum Processor Speed	PowerPC, POWER4 (1 GHz)	
SDK	IBM SDK 1.3.1 SR7 32-bit (APAR IY52512) Java™ 2 Runtime Environment, Standard Edition (build 1.3.1) Classic VM (build 1.3.1, J2RE 1.3.1 IBM AIX build ca131-20040517 (JIT enabled: jtc))	<p>This SDK is not provided with WebLogic Platform; you must download it from the IBM Web site and install it, manually, on your system. For instructions, see:</p> <ul style="list-style-type: none">• Downloading and Installing the IBM SDK Base• Downloading IBM SDK Fixes: 1.3.1 APAR IY52512 <p>Note: BEA recommends upgrading to the SR7 version of the SDK.</p>
	IBM SDK 1.3.1 SR6a 32-bit (APAR IY50443) Java™ 2 Runtime Environment, Standard Edition (build 1.3.1) Classic VM (build 1.3.1, J2RE 1.3.1 IBM AIX build ca131-20031105 (JIT enabled: jtc))	<p>This SDK is not provided with WebLogic Platform; you must download it from the IBM Web site and install it, manually, on your system. For instructions, see:</p> <ul style="list-style-type: none">• Downloading and Installing the IBM SDK Base• Downloading IBM SDK Fixes: 1.3.1 APAR IY50443
Design and Development Tools	<p>Supports WebLogic Server development tools.</p> <p>For more information about WebLogic Platform design and development tools support, see “Supported Configurations for Design and Development Tools in Version 7.0 SP5” in <i>Supported Configurations for WebLogic Platform 7.0</i>.</p>	
RAM	512 MB required; 1 GB recommended	
Disk Space	For any components of WebLogic Platform or for the full WebLogic Platform product, see Disk Space Requirements .	
Performance Pack	Included	lib/aix/libmuxer.so

Table 3-1 Requirements for 7.0 SP5 on AIX 5.1 on PowerPC, POWER4

Node Manager	Included	Native
BEA jDrivers for Oracle	For this Oracle client version:	The following shared libraries are provided:
	Oracle 8.1.7	<ul style="list-style-type: none"> lib/aix/oci817_8/libweblogicoci38.so lib/aix/oci817_8/libweblogicoxa38.so
	Oracle 9.2.0	<ul style="list-style-type: none"> lib/aix/oci920_8/libweblogicoci38.so lib/aix/oci920_8/libweblogicoxa38.so

Known Issues

Issue	Workaround
Servers may fail on startup with a broken pipe or a connection reset by a peer.	Try removing the loopback entries from the default routing table. For more information, see http://www-1.ibm.com/support/docview.wss?uid=swg21040968
The default buffer size for <code>UDP_SENDSIZE</code> is 9216 (9k), but fragments sent by WebLogic Server may be up to 32K, so using a buffer size smaller than 32k may cause an I/O exception.	<ol style="list-style-type: none"> Set the buffer size to 32 KB by issuing the following command: <code>no -o udp_sendspace=32768</code> Reboot WebLogic Server.
WebLogic Workshop on AIX does not support DB2.	If you want to run WebLogic Workshop on AIX, use a database other than DB2. For information about supported databases, see “Supported Database Configurations” in <i>Supported Configurations for WebLogic Platform 7.0</i> .
An exception occurs in WebLogic Portal when the server is started for the e2eSample. The problem is caused by two IBM JAR files that contain JAAS libraries: <code>jaas.jar</code> and <code>jaas_lm.jar</code> .	<p>Remove <code>jaas.jar</code> and <code>jaas_lm.jar</code> from the <code>\$JAVA_HOME/jre/lib/ext</code> directory.</p> <p>Note: Do not rename the files; the problem cannot be resolved by doing so. You must delete the files or move them to a different location.</p>

Issue	Workaround
<p>The E2E sample hangs when the following script is executed:</p> <pre>\$WEBLOGIC_HOME/samples/platform/e2eDomain/startE2E.sh</pre>	<p>Complete the following procedure:</p> <ol style="list-style-type: none"> 1. In a text editor, open the following file: <pre>\$WEBLOGIC_HOME/portal/db/databaseload.properties</pre> 2. Find the following line: <pre>-----PointBase-----</pre> 3. Change the line to a comment by adding a pound sign (#) at the beginning: <pre>#-----PointBase-----</pre> 4. Launch the e2e sample. <p>The server will start successfully.</p>
<p>When the WebLogic Integration EDI Sample is run on an AIX configuration with Power.Enterprise! 3.4, attempts to validate outbound documents fail with the following error message:</p> <p>Unable to validate the target document</p>	<ol style="list-style-type: none"> 1. Open the following JAR file: <pre>\$WEBLOGIC_HOME/samples/integration/samples/edi/POAckXMLtoEDI855.jar</pre> 2. Extract the following file: X12-855-004010.xml 3. In a text editor, open X12-855-004010.xml. 4. Change the value of the MaxLen attribute to 15.
<p>An exception is thrown under the following circumstances:</p> <ol style="list-style-type: none"> 1. You upgrade from 7.0 SP4 to 7.0 SP5, using the Upgrade installer or Smart Update. 2. Later you perform a rollback from 7.0 SP5 to SP4. 3. You start the e2e server. <p>The server starts up properly but an exception is thrown.</p> <p>This issue is being tracked with CR189177.</p>	<p>To avoid causing an exception when you start the e2e server after performing a rollback from 7.0 SP5 to 7.0 SP4, after the rollback procedure remove the following files from the e2eDomain folder:</p> <pre>_ServletContextidnameDbmsEventRoutercontext pathDbmsEventRouter_EventRouter.xml</pre> <pre>_ServletContextidnameDbmsEventRoutercontext pathDbmsEventRouter_tmp</pre> <pre>running-managed-servers.xml</pre> <p>If you remove these files before starting the e2e server, no exception is thrown.</p>

For more information about known issues with any components of this release, see the appropriate *Release Notes* document. For a complete list of *Release Notes* supporting WebLogic Platform 7.0, see:

<http://e-docs.bea.com/platform/docs70/interm/relnotes.html>

IBM JVM Updates For DST

IBM has released a Timezone Update Utility to update DST data without the need to upgrade Java. See [IBM Time Zone Update Utility for Java™](#).

Download and Installation Instructions

Before you can run WebLogic Platform 7.0 SP5 on an IBM AIX 5.1 system, you must have an SDK configuration (SDK base plus fixes) at one of the the following levels:

- IBM SDK 1.3.1 SR6a 32-bit (APAR IY50443): ca131-20031105, or
- IBM SDK 1.3.1 SR7 32-bit (APAR IY52512): ca131-20040517

This section provides instructions for:

- [Downloading and Installing the IBM SDK Base](#)
- [Downloading IBM SDK Fixes: 1.3.1 APAR IY50443](#)
- [Downloading IBM SDK Fixes: 1.3.1 APAR IY52512](#)
- [Downloading and Installing WebLogic Platform 7.0 SP5](#)

Downloading and Installing the IBM SDK Base

1. Go to the “Downloads: IBM developer kits” page on the IBM Web site:
<http://www.ibm.com/developerworks/java/jdk/index.html>
2. From the list of platforms, select AIX.
The “IBM Developer’s Kits for AIX, Java Technology Edition” page is displayed.
3. In the menu on the right side of the page, click “Download.”
A table containing a list of kits is displayed.
4. In the Java Version column, click “1.3.1.”

The “IBM AIX Developer Kit and Runtime, Java Technology Edition” page is displayed, prompting you to log in.

5. Log in to the site with your user ID and password.

A list of the filesets that make up the IBM SDK 1.3.1 is displayed.

6. Download and install the filesets listed under “IBM AIX Developer Kit Base code.”

Once the IBM SDK base is installed, you can download and install the SDK fixes required for your system, depending on which SDK version you are planning to use. See the appropriate instructions:

- For IBM SDK 1.3.1 SR6a 32-bit (APAR IY50443), see [Downloading IBM SDK Fixes: 1.3.1 APAR IY50443](#).
- For IBM SDK 1.3.1 SR7 32-bit (APAR IY52512), see [Downloading IBM SDK Fixes: 1.3.1 APAR IY52512](#).

Downloading IBM SDK Fixes: 1.3.1 APAR IY50443

You need to download this special version of the IBM SDK externally from IBM. This build is required for WebLogic Server 7.0 SP5 if you are planning to use IBM SDK 1.3.1 SR6a. To download IBM SDK 1.3.1 APAR IY50443, complete the following steps:

1. Go to the IBM pSeries Support page at:

<http://www-912.ibm.com/eserver/support/fixes/fcgui.jsp>

2. Set the search criteria to the following:

- Server: pSeries, RS/6000
- Product or fix type: AIX OS, Java, compilers
- Option: Specific fixes
- OS level: AIX 5.1
- Search By: APAR number or abstract
- Search String: IY50443

3. Download and install the fix package.

4. Verify that the package is applied by running the following command:

```
$ instfix -ivqk IY50443
```

Downloading IBM SDK Fixes: 1.3.1 APAR IY52512

You need to download this special version of the IBM SDK externally from IBM. This build is required for WebLogic Server 7.0 SP5 if you are planning to use IBM SDK 1.3.1 SR7. To download IBM SDK 1.3.1 APAR IY52512, complete the following steps:

1. Go to the IBM pSeries Support page at:
<http://www-912.ibm.com/eserver/support/fixes/fcgui.jsp>
2. Set the search criteria to the following:
 - Server: pSeries, RS/6000
 - Product or fix type: AIX OS, Java, compilers
 - Option: Specific fixes
 - OS level: AIX 5.1
 - Search By: APAR number or abstract
 - Search String: IY52512
3. Download and install the fix package.
4. Verify that the package is applied by running the following command:

```
$ instfix -ivqk IY52512
```

Downloading and Installing WebLogic Platform 7.0 SP5

To install WebLogic Platform 7.0 SP5, complete the following procedure:

1. Go to the BEA download site and download the IBM AIX installer for 7.0 SP5:
<http://commerce.bea.com/index.jsp>
 The following installers are available.

Installer	Filename
WebLogic Platform package installer	<code>pj_platform705_generic.jar</code>
WebLogic Platform net installer	<code>net_pj_platform705_generic.jar</code>
WebLogic Server package installer	<code>pj_server705_generic.jar</code>

2. Install WebLogic Platform or WebLogic Server by following the instructions provided at the BEA documentation Web site.
 - For WebLogic Platform installation instructions, see:
<http://e-docs.bea.com/platform/docs70/install/index.html>
 - For WebLogic Server installation instructions, see:
<http://e-docs.bea.com/wls/docs70/install/index.html>

AIX 5.1 on PowerPC, POWER3 and POWER4 with 7.0 SP4

Product Components Supported on this Configuration

	WebLogic Server	WebLogic Workshop	WebLogic Integration	WebLogic Portal
Run-time	✓	✓	✓	✓
Design/Dev Tools*	✓	✗	✗	✗

* For design and development tools support, see the "Configuration Requirements" section below.

✓ Supported

✗ Not supported

This section provides the following information:

- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Installation Instructions](#)

Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 7.0 Supported Configurations](#).
- For details about IBM AIX 5.1, visit IBM's Web site: <http://www.ibm.com>.

Configuration Requirements

Table 4-1 Requirements for 7.0 SP4 on AIX 5.1 on PowerPC, POWER3 and POWER4

Operating System Version and Patches	AIX 5L v5.1	
Chip Architecture and Minimum Processor Speed	<ul style="list-style-type: none">PowerPC, POWER3 (450 MHz)PowerPC, POWER4 (1 GHz)	
SDK	SDK 1.3.1 32-bit (APAR IY47055) Java™ 2 Runtime Environment, Standard Edition (build 1.3.1) Classic VM (build 1.3.1, J2RE 1.3.1 IBM AIX build ca131-20030630a (JITenabled: jitc))	This SDK is not provided with WebLogic Platform; you must download it from the IBM Web site and install it, manually, on your system. For instructions, see: <ul style="list-style-type: none">Downloading and Installing the IBM SDKDownloading IBM SDK 1.3.1 APAR IY47055
	SDK 1.3.1 SR6a 32-bit (APAR IY50443) Java™ 2 Runtime Environment, Standard Edition (build 1.3.1) Classic VM (build 1.3.1, J2RE 1.3.1 IBM AIX build ca131-20031105 (JIT enabled: jitc))	<ul style="list-style-type: none">Supported on WebLogic Server only.See “Downloading IBM SDK 1.3.1 APAR IY50443” on page 4-5.A patch is required if this SDK is used. For more information, see Known Issues.
Design and Development Tools	Supports WebLogic Server development tools. For more information about WebLogic Platform design and development tools support, see “ Supported Configurations for Design and Development Tools in Version 7.0 SP4 ” in <i>Supported Configurations for WebLogic Platform 7.0</i> .	
RAM	512 MB required; 1 GB recommended	
Disk Space	For any components of WebLogic Platform or for the full WebLogic Platform product, see Disk Space Requirements .	
Performance Pack	Included.	lib/aix/libmuxer.so

Table 4-1 Requirements for 7.0 SP4 on AIX 5.1 on PowerPC, POWER3 and POWER4

Node Manager	Included.	lib/aix/libNodeManager.so
BEA jDrivers for Oracle	For this Oracle client version:	The following shared libraries are provided:
	Oracle 8.1.7	<ul style="list-style-type: none"> lib/aix/oci817_8/libweblogicoca38.so lib/aix/oci817_8/libweblogicoxa38.so
	Oracle 9.0.1	<ul style="list-style-type: none"> lib/aix/oci901_8/libweblogicoca38.so lib/aix/oci901_8/libweblogicoxa38.so
	Oracle 9.2.0	<ul style="list-style-type: none"> lib/aix/oci920_8/libweblogicoca38.so lib/aix/oci920_8/libweblogicoxa38.so

Known Issues

Issue	Workaround
Marshalling exceptions may occur when IIOP applications are used with SDK 1.3.1 SR6a 32-bit (APAR IY50443.)	For users who require IIOP functionality, BEA provides a patch in a supplementary JAR file. To obtain the patch, contact BEA Customer Support and request CR130032_700sp4.jar.
Servers may fail on startup with a broken pipe or a connection reset by a peer.	Try removing the loopback entries from the default routing table. For more information, see http://www-1.ibm.com/support/docview.wss?uid=swg21040968
The default buffer size for UDP_SENDSIZE is 9216 (9k), but fragments sent by WebLogic Server may be up to 32K, so using a buffer size smaller than 32k may cause an IO Exception.	<ol style="list-style-type: none"> Set the buffer size to 32 KB by issuing the following command: no -o udp_sendspace=32768 Reboot WebLogic Server.
WebLogic Workshop on AIX does not support DB2.	Use a database other than DB2 if you want to run WebLogic Workshop on AIX. For information about supported databases, see “ Supported Database Configurations ” in <i>Supported Configurations for WebLogic Platform 7.0</i> .

For more information about known issues with any components of this release, see the appropriate *Release Notes* document. For a complete list of *Release Notes* supporting WebLogic Platform 7.0, see:

<http://e-docs.bea.com/platform/docs70/interm/relnotes.html>

IBM JVM Updates For DST

IBM has released a Timezone Update Utility to update DST data without the need to upgrade Java. See [IBM Time Zone Update Utility for Java™](#).

Download and Installation Instructions

Before you can run 7.0 SP4 on an IBM AIX system, you must have an SDK configuration (base SDK plus fixes) at the following level: IBM SDK 1.3.1 32-bit PTF: ca131-20030630a. This section provides instructions for:

- [Downloading and Installing the IBM SDK](#)
- [Downloading IBM SDK 1.3.1 APAR IY47055](#)
- [Downloading IBM SDK 1.3.1 APAR IY50443](#)
- [Downloading and Installing 7.0 SP4](#)

Downloading and Installing the IBM SDK

1. Go to the “Downloads: IBM developer kits” page on the IBM Web site:
<http://www.ibm.com/developerworks/java/jdk/index.html>
2. From the list of platforms, select AIX.
The “IBM Developer’s Kits for AIX, Java Technology Edition” page is displayed.
3. In the menu on the right side of the page, click “Download.”
A table containing a list of kits is displayed.
4. In the Java Version column, click “1.3.1.”
The “IBM AIX Developer Kit and Runtime, Java Technology Edition” page is displayed, prompting you to log in.
5. Log in to the site with your user ID and password.
A list of the filesets that make up the IBM SDK 1.3.1 is displayed.
6. Download and install the filesets listed under “IBM AIX Developer Kit Base code.”

Now the SDK is installed on your system. You can now download and install SDK fixes, as described in:

- [Downloading IBM SDK 1.3.1 APAR IY47055](#)
- [Downloading IBM SDK 1.3.1 APAR IY50443](#)

Downloading IBM SDK 1.3.1 APAR IY47055

1. Go to the IBM pSeries Support page at:
<http://www-912.ibm.com/eserver/support/fixes/fcgui.jsp>
2. Set the search criteria to the following:
 - Server: pSeries, RS/6000
 - Product or fix type: AIX OS, Java, compilers
 - Option: Specific fixes
 - OS level: AIX 5.1
 - Search by: APAR number or abstract
 - Search string: IY47055

3. Download and install the SDK fix.

4. Verify that the fix is applied by running the following command:

```
$ instfix -ivqk IY47055
```

If you have installed any other APARs, as per the instructions on the IBM Web site, verify that they, too, are applied, by running the `instfix` command with the `-ivqk` options.

5. Verify that the required SDK version (IBM SDK 1.3.1 32-bit PTF: ca131-20030630a) is now installed on your system by running the following command:

```
/usr/java131/bin/java -version
```

Downloading IBM SDK 1.3.1 APAR IY50443

You need to download this special version of the IBM JVM externally from IBM. This build is required for WebLogic Server 7.0 SP4. Use the following steps to download IBM 1.3.1 APAR IY50443:

1. Go to the IBM pSeries Support page at:

<http://www-912.ibm.com/eserver/support/fixes/fcgui.jsp>

2. Set the search criteria to the following:
 - Server: pSeries, RS/6000
 - Product or fix type: AIX OS, Java, compilers
 - Option: Specific fixes
 - OS level: AIX 5.1
 - Search By: APAR number or abstract
 - Search String: IY50443
3. Download and install the fix package.
4. Verify that the package is applied by running the following command:

```
$ instfix -ivqk IY50443
```

Downloading and Installing 7.0 SP4

Complete the following procedure:

1. Download the IBM AIX installer for 7.0 SP4 from the following site:

<http://commerce.bea.com>

2. Go to the directory that contains the installation file.
3. Run the command appropriate for your installation mode:

- Graphical mode:

```
java -classpath filename.jar \  
com.bea.installer.BEAInstallController
```

- Console mode:

```
java -classpath filename.jar \  
com.bea.installer.BEAInstallController -mode=console
```

- Silent mode:

```
java -classpath filename.jar \  
com.bea.installer.BEAInstallController -mode=silent \  
-silent_xml=/path_to_silent.xml
```

In this command line:

- Replace *path_to_silent.xml* with the *full* path for the *silent.xml* template file.
- Replace *filename.jar* with one of the filenames listed in the following table.

If you are using the	Replace <i>filename.jar</i> with
Package installer for WebLogic Platform	<code>pj_platform704_generic.jar</code>
Package installer for WebLogic Server	<code>pj_server704_generic.jar</code>
Net installer ¹	<code>net_pj_platform704_generic.jar</code>
Upgrade installer for WebLogic Platform ¹	<code>pj_platform704_upgrade_generic.jar</code>
Upgrade installer for WebLogic Server ¹	<code>pj_server704_upgrade_generic.jar</code>

1. For graphical and console modes only.

For more information about installation, see the appropriate document:

- For WebLogic Platform, see [Installing BEA WebLogic Platform](#)
- For WebLogic Server, see [BEA WebLogic Server and WebLogic Express Installation Guide](#)

AIX 5.1 on PowerPC, POWER3 and POWER4 with 7.0 SP4

AIX 5.1 on PowerPC, POWER3 and POWER4 with 7.0 SP2

Product Components Supported on this Configuration

	WebLogic Server	WebLogic Workshop	WebLogic Integration	WebLogic Portal
Run-time	✓	✓	✓	✓
Design/Dev Tools*	✓	✗	✗	✗

* For design and development tools support, see the “Configuration Requirements” section below.

✓ Supported
✗ Not supported

This section provides the following information:

- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Installation Instructions](#)

Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 7.0 Supported Configurations](#).
- For details about IBM AIX 5.1, visit IBM’s Web site: <http://www.ibm.com>.

Configuration Requirements

Table 5-1 Requirements for 7.0 SP2 on AIX 5.1 on PowerPC, POWER3 and POWER4

Operating System Version and Patches	AIX 5L v5.1	
Chip Architecture and Minimum Processor Speed	<ul style="list-style-type: none">PowerPC, POWER3 (450 MHz)PowerPC, POWER4 (1 GHz)	
SDK	IBM SDK 1.3.1 32-bit PTF 2 (IY33957) Java™ 2 Runtime Environment, Standard Edition (build 1.3.1) Classic VM (build 1.3.1, J2RE 1.3.1 IBM AIX build ca131-20021102 (JIT enabled: jitc))	This SDK is not provided with WebLogic Platform; you must download it from the IBM Web site and install it, manually, on your system. For instructions, see “Downloading and Installing the IBM SDK” on page 5-4.
Design and Development Tools	Supports WebLogic Server development tools. For more information about WebLogic Platform design and development tools support, see “Supported Configurations for Design and Development Tools in Version 7.0 SP2” in <i>Supported Configurations for WebLogic Platform 7.0.</i>	
RAM	512 MB required; 1 GB recommended	
Disk Space	For any components of WebLogic Platform or for the full WebLogic Platform product, see Disk Space Requirements.	
Performance Pack	Included.	lib/aix/libmuxer.so
Node Manager	Included.	lib/aix/libNodeManager.so

Table 5-1 Requirements for 7.0 SP2 on AIX 5.1 on PowerPC, POWER3 and POWER4

BEA jDrivers for Oracle	For this Oracle client version:	The following shared libraries are provided:
	Oracle 8.1.7	lib/aix/oci817_8/libweblogicoca38.so lib/aix/oci817_8/libweblogicoxa38.so
	Oracle 9.0.1	lib/aix/oci901_8/libweblogicoca38.so lib/aix/oci901_8/libweblogicoxa38.so
	Oracle 9.2.0	lib/aix/oci920_8/libweblogicoca38.so lib/aix/oci920_8/libweblogicoxa38.so

Known Issues

Issue	Workaround
Servers may fail on startup with a broken pipe or a connection reset by a peer.	Try removing the loopback entries from the default routing table. For more information, see http://www-1.ibm.com/support/docview.wss?uid=swg21040968
The default buffer size for UDP_SENDSIZE is 9216 (9k), but fragments sent by WebLogic Server may be up to 32K, so using a buffer size smaller than 32k may cause an IO Exception.	<ol style="list-style-type: none"> 1. Set the buffer size to 32 KB by issuing the following command: no -o udp_sendspace=32768 2. Reboot WebLogic Server.
WebLogic Workshop on AIX does not support DB2.	Use a database other than DB2 if you want to run WebLogic Workshop on AIX. For information about supported databases, see “ Supported Database Configurations ” in <i>Supported Configurations for WebLogic Platform 7.0</i> .

For more information about known issues with any components of this release, see the appropriate *Release Notes* document. For a complete list of *Release Notes* supporting WebLogic Platform 7.0, see:

<http://e-docs.bea.com/platform/docs70/interm/relnotes.html>

IBM JVM Updates For DST

IBM has released a Timezone Update Utility to update DST data without the need to upgrade Java. See [IBM Time Zone Update Utility for Java™](#).

Download and Installation Instructions

If you plan to run 7.0 SP2 on IBM AIX, you must use IBM SDK 1.3.1 32-bit PTF 2, APAR IY33957. Because this package is not delivered with WebLogic Platform, you must download and install it manually before installing WebLogic Platform on your system.

Note: You cannot use an older version of the IBM SDK, even if one is already installed on your system. You must download and install this particular version: IBM SDK 1.3.1 32-bit PTF (APAR IY33957).

If you are using the upgrade installer or the Smart Update installer to upgrade your existing installation of WebLogic Platform on AIX, your existing IBM SDK is not updated automatically.

This section provides instructions for:

- [Downloading and Installing the IBM SDK](#)
- [Downloading and Installing 7.0 SP2](#)

Downloading and Installing the IBM SDK

To download and install the SDK, complete the following procedure:

1. Go to the following IBM Web site:
<https://techsupport.services.ibm.com/server/aix.fdc>
2. When prompted, set the search criteria for the SDK as follows.

For this parameter ...	Select or enter ...
Server	pSeries, RS/6000

Product or fix type	AIX OS, Java, compilers
Option	Specific fixes
OS level	AIX 5.1
Search by	APAR number or abstract
Search String	IY33957

3. Download and install the SDK.
4. Verify that the PTF 2 APAR IY33957 is applied, by running the following command:

```
$instfix -ivqk IY33957
```
5. Add the `bin` directory of the newly installed SDK to the beginning of your `PATH` variable.

Downloading and Installing 7.0 SP2

Complete the following procedure:

1. Download the IBM AIX installer for 7.0 SP2 from the following site:

<http://commerce.bea.com>

2. Go to the directory that contains the installation file.
3. Run the command appropriate for your installation mode:

- Graphical mode:

```
java -classpath (net_)pj_platform702_generic.jar \
com.bea.installer.BEAInstallController
```

- Console mode:

```
java -classpath (net_)pj_platform702_generic.jar \
com.bea.installer.BEAInstallController -mode=console
```

- Silent mode:

```
java -classpath (net_)pj_platform702_generic.jar \
com.bea.installer.BEAInstallController -mode=silent \
-silent_xml=/path_to_silent.xml
```

In this command line:

- Replace *installer_directory* with the path of the directory in which you just downloaded the WebLogic Platform installer.
- Replace *filename.jar* with one of the filenames listed in the following table.

If you are using the	Replace <i>filename.jar</i> with
Package installer for WebLogic Platform	<code>pj_platform702_generic.jar</code>
Package installer for WebLogic Server	<code>pj_server702_generic.jar</code>
Net installer ¹	<code>net_pj_platform702_generic.jar</code>
Upgrade installer for WebLogic Platform ¹	<code>pj_platform702_upgrade_generic.jar</code>
Upgrade installer for WebLogic Server ¹	<code>pj_server702_upgrade_generic.jar</code>

1. Graphical and console modes only.

For more information about installation, see the appropriate document:

- For WebLogic Platform, see [Installing BEA WebLogic Platform](#)
- For WebLogic Server, see [BEA WebLogic Server and WebLogic Express Installation Guide](#).

AIX 5.1 on PowerPC, POWER3 and POWER4 with 7.0 SP1

Product Components Supported on this Configuration

	WebLogic Server	WebLogic Workshop	WebLogic Integration	WebLogic Portal
Run-time	✓	✓	✓	✓
Design/Dev Tools*	✓	✗	✗	✗

* For design and development tools support, see the "Configuration Requirements" section below.

✓ Supported

✗ Not supported

This section provides the following information:

- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Installation Instructions](#)

Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 7.0 Supported Configurations](#).
- For details about IBM AIX 5.1, visit IBM's Web site: <http://www.ibm.com>.

Configuration Requirements

Table 6-1 Requirements for 7.0 SP1 on AIX 5.1 on PowerPC, POWER3 and POWER4

Operating System Version and Patches	AIX 5L v5.1	
Chip Architecture and Minimum Processor Speed	<ul style="list-style-type: none">PowerPC, POWER3 (450 MHz)PowerPC, POWER4 (1 GHz)	
SDK	SDK 1.3.1 32-bit PTF 2 (IY33957) Java™ 2 Runtime Environment, Standard Edition (build 1.3.1) Classic VM (build 1.3.1, J2RE 1.3.1 IBM AIX build ca131-20021102 (JIT enabled: jitc))	<ul style="list-style-type: none">This SDK is not provided with WebLogic Platform; you must download it from the IBM Web site and install it, manually, on your system. For instructions, see Downloading the IBM SDK 1.3.1 32-bit PTF 2.On IBM AIX platforms, WebLogic Integration and WebLogic Portal use the IBM JIT.
Design and Development Tools	Supports WebLogic Server development tools. For more information about WebLogic Platform design and development tools support, see “Supported Configurations for Design and Development Tools in Version 7.0 SP1” in <i>Supported Configurations for WebLogic Platform 7.0</i> .	
RAM	512 MB required; 1 GB recommended	
Disk Space	For any components of WebLogic Platform or for the full WebLogic Platform product, see Disk Space Requirements .	
Performance Pack	Included.	lib/aix/libmuxer.so
Node Manager	Included.	lib/aix/libNodeManager.so

Table 6-1 Requirements for 7.0 SP1 on AIX 5.1 on PowerPC, POWER3 and POWER4

BEA jDrivers for Oracle	For this Oracle client version:	The following shared libraries are provided:
	Oracle 8.1.7	<ul style="list-style-type: none"> lib/aix/oci817_8/libweblogicoca38.so lib/aix/oci817_8/libweblogicoxa38.so
	Oracle 9.0.1	<ul style="list-style-type: none"> lib/aix/oci901_8/libweblogicoca38.so lib/aix/oci901_8/libweblogicoxa38.so
	Oracle 9.2.0	<ul style="list-style-type: none"> lib/aix/oci920_8/libweblogicoca38.so lib/aix/oci920_8/libweblogicoxa38.so

Known Issues

Issue	Workaround
WebLogic Server does not support the ORB provided with the IBM SDK.	Use the WebLogic Server ORB implementation. To invoke it, specify the following command on the Client side: <code>-Dweblogic.system.iiop.enableClient=true</code>
WebLogic Server uses its own JSSE implementation to handle SSL communication. If, however, you use IBM's JSSE implementation as the java extension, the WebLogic Server JSSE implementation does not work properly.	Make sure that you remove <code>ibmjssse.jar</code> from the <code>jre/lib/ext</code> directory of your SDK installation which is used to run WebLogic Server.
WebLogic Workshop on AIX does not support DB2.	Use a database other than DB2 if you want to run WebLogic Workshop on AIX. For information about supported databases, see “Supported Database Configurations” in <i>Supported Configurations for WebLogic Platform 7.0</i> .

Issue	Workaround
<p>The procedure for installing the Apache HTTP Server Plug-in for AIX as a statically linked module requires the use of a C++ compiler.</p>	<ol style="list-style-type: none"> 1. Go to the procedure described in “Installing the Apache HTTP Server Plug-In as a Statically Linked Module” in “Installing the Apache HTTP Server Plug-In” in <i>Using Web Server Plug-Ins With WebLogic Server</i> at the following URL: http://e-docs.bea.com/wls/docs70/plugins/apache.html. 2. Before step 7, in which you configure the Apache HTTP Server, set the CC environment variable so that the C++ compiler is used for the installation. You can do this by entering one of the following commands, as appropriate: If you are using the Korn shell: <pre>export CC=xlC</pre> If you are using the C shell: <pre>setenv CC xlC</pre> 3. Complete the remaining steps described in that section.
<p>Performance issues occur while Oracle 9.2.0 is being used. For example, database read operations may time out.</p>	<p>Disable the JIT on the AIX 5.1 JVM by entering the following command:</p> <pre>java -Djava.compiler=NONE weblogic.Server</pre>
<p>Servers may fail on startup with a broken pipe or a connection reset by a peer.</p>	<p>Try removing the loopback entries from the default routing table. For more information, see http://www-1.ibm.com/support/docview.wss?uid=swg21040968</p>
<p>The default buffer size for UDP_SENDSIZE is 9216 (9k), but fragments sent by WebLogic Server may be up to 32K, so using a buffer size smaller than 32k may cause an IO Exception.</p>	<ol style="list-style-type: none"> 1. Set the buffer size to 32 KB by issuing the following command: <pre>no -o udp_sendspace=32768</pre> 2. Reboot WebLogic Server.
<p>WebLogic Workshop on AIX does not support DB2.</p>	<p>Use a database other than DB2 if you want to run WebLogic Workshop on AIX. For information about supported databases, see “Supported Database Configurations” in <i>Supported Configurations for WebLogic Platform 7.0</i>.</p>

For more information about known issues with any components of this release, see the appropriate *Release Notes* document. For a complete list of *Release Notes* supporting WebLogic Platform 7.0, see:

<http://e-docs.bea.com/platform/docs70/interm/relnotes.html>

IBM JVM Updates For DST

IBM has released a Timezone Update Utility to update DST data without the need to upgrade Java. See [IBM Time Zone Update Utility for Java™](#).

Download and Installation Instructions

This section provides instructions for:

- [Downloading the IBM SDK 1.3.1 32-bit PTF 2](#)
- [Downloading and Installing 7.0 SP1](#)
- [Installing Required Patch Files for 7.0 SP1](#)

Downloading the IBM SDK 1.3.1 32-bit PTF 2

Use the following steps to download IBM SDK 1.3.1 32-bit PTF 2:

1. Download IBM SDK 1.3.1 32-bit PTF 2 from the following site:
<http://techsupport.services.ibm.com/server/aix.fdc>
2. Set the search criteria to the following:
 - OS level: AIX 5.1
 - Search By: *APAR_number_or_abstract*
 - Search String: IY33957
3. Download and install the SDK.
4. Verify that the PTF 2 APAR IY33957 is applied, by running the following command:

```
$instfix -ivqk IY33957
```
5. Add the `bin` directory of the newly installed SDK to the beginning of your `PATH` variable.

Downloading and Installing 7.0 SP1

1. Download the 7.0 SP1 installer for IBM AIX platforms from the following site:

<http://commerce.bea.com>

2. Go to the directory that contains the installation file.
3. Run the command appropriate for your installation mode:

– Graphical mode:

```
java -classpath filename.jar \  
com.bea.installer.BEAInstallController
```

– Console mode:

```
java -classpath filename.jar \  
com.bea.installer.BEAInstallController -mode=console
```

– Silent mode:

```
java -classpath filename.jar \  
com.bea.installer.BEAInstallController -mode=silent \  
-silent_xml=/path_to_silent.xml
```

In this command line:

- Replace *path_to_silent.xml* with the *full* path for the *silent.xml* template file.
- Replace *filename.jar* with one of the filenames listed in the following table.

If you are using the	Replace <i>filename.jar</i> with
Package installer for WebLogic Platform	<code>pj_platform701_generic.jar</code>
Package installer for WebLogic Server	<code>pj_server701_generic.jar</code>
Net installer ¹	<code>net_pj_platform701_generic.jar</code>
Upgrade installer for WebLogic Platform ¹	<code>pj_platform701_upgrade_generic.jar</code>
Upgrade installer for WebLogic Server ¹	<code>pj_server701_upgrade_generic.jar</code>

1. Graphical and console modes only.

For more information about installation, see the appropriate document:

- For WebLogic Platform, see [Installing BEA WebLogic Platform](#).
- For WebLogic Server, see [BEA WebLogic Server and WebLogic Express Installation Guide](#).

Installing Required Patch Files for 7.0 SP1

Use the following steps to obtain required patches from your BEA support representative:

1. Contact your BEA support representative and obtain the following patch files:

`CR085315_700sp1.jar`

`CR088040_70sp1.jar`

`CR089890_700sp1_aix.jar`

2. Copy the `CR085315_700sp1.jar` and `CR088040_70sp1.jar` patch files to your installation and prepend their pathnames within your `CLASSPATH`.

One method would be to copy the files to your `WL_HOME/server/lib` directory and prepend their pathnames within `CLASSPATH` by updating the script that starts your WebLogic Server.

If you prefer not to install your patches in `WL_HOME/server/lib`, you can create a patch directory, such as `WL_HOME/server/patches`, and copy the files to the patch directory. Again, prepend their pathnames within `CLASSPATH` by updating the script that starts your WebLogic Server.

3. Copy the `CR089890_700sp1_aix.jar` patch file to your installation.

One method would be to copy the file to your `WL_HOME/server/lib` directory. If you prefer not to install your patches in `WL_HOME/server/lib`, you could copy the file to a patch directory as described above.

4. Unjar the `CR089890_700sp1_aix.jar` patch file. It contains the following file: `aix/libmuxer.so`. This will replace the existing `libmuxer.so` file in your `WL_HOME/server/lib/aix` directory.

If you used the patch directory, unjar the `CR089890_700sp1_aix.jar` patch file and manually copy the `WL_HOME/server/patches/aix/libmuxer.so` file to your `WL_HOME/server/lib/aix` directory.

AIX 5.1 on PowerPC, POWER3 and POWER4 with 7.0 SP1

AIX 5.1 on PowerPC, POWER3 and POWER4 with WebLogic Server 7.0.0.1

Product Components Supported on this Configuration

	WebLogic Server	WebLogic Workshop	WebLogic Integration	WebLogic Portal
Run-time	✓	✗	✗	✗
Design/Dev Tools*	✓	✗	✗	✗

* For design and development tools support, see the "Configuration Requirements" section below.

✓ Supported

✗ Not supported

This section provides the following information:

- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Installation Instructions](#)

Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 7.0 Supported Configurations](#).
- For details about IBM AIX 5.1, visit IBM's Web site: <http://www.ibm.com>.

Configuration Requirements

Table 7-1 Requirements for WebLogic Server 7.0 on AIX 5.1 on PowerPC, POWER3 and POWER4

Operating System Version and Patches	AIX 5L v5.1	
Chip Architecture and Minimum Processor Speed	<ul style="list-style-type: none">PowerPC, POWER3 (450 MHz)PowerPC, POWER4 (450 MHz)	
SDK	SDK 1.3.1 32-bit PTF 1 (IY30887) Java™ 2 Runtime Environment, Standard Edition (build 1.3.1) Classic VM (build 1.3.1, J2RE 1.3.1 IBM AIX build ca131-20020706a (JIT enabled: jitc))	
Design and Development Tools	Supports WebLogic Server development tools. For more information about WebLogic Platform design and development tools support, see “Supported Configurations for Design and Development Tools in Version 7.0 GA” in <i>Supported Configurations for WebLogic Platform 7.0</i> .	
RAM	512 MB required; 1 GB recommended	
Disk Space	For any components of WebLogic Platform or for the full WebLogic Platform product, see Disk Space Requirements .	
Performance Pack	Included.	lib/aix/libmuxer.so
Node Manager	Included.	lib/aix/libNodeManager.so
BEA jDrivers for Oracle	For this Oracle client version:	The following shared libraries are provided:
	Oracle 8.1.7	<ul style="list-style-type: none">lib/aix/oci817_8/libweblogicoca38.solib/aix/oci817_8/libweblogicoxa38.so
	Oracle 9.0.1	<ul style="list-style-type: none">lib/aix/oci901_8/libweblogicoca38.solib/aix/oci901_8/libweblogicoxa38.so

Known Issues

Issue	Workaround
Some of the functions in the <code>weblogic.Admin</code> utility do not work properly with IBM SDK 1.3.1 32-bit PTF 1 (IY30887) when you turn on JIT.	Apply IBM efix IY33728. See “Downloading and Installing IBM SDK 1.3.1 32-bit PTF 1” on page 7-4 .
The Net installer for AIX is not available for this release.	See “Installing WebLogic Server 7.0.0.1” on page 7-4 .
WebLogic Server does not support the ORB provided with the IBM SDK.	Use the WebLogic Server ORB implementation. To invoke it, specify the following command on the Client side: <code>-Dweblogic.system.iiop.enableClient=true</code>
WebLogic Server uses its own JSSE implementation to handle SSL communication. If, however, you use IBM’s JSSE implementation as the java extension, the WebLogic Server JSSE implementation does not work properly.	Make sure that you remove <code>ibmjssse.jar</code> from the <code>jre/lib/ext</code> directory of your SDK installation which is used to run WebLogic Server.
Servers may fail on startup with a broken pipe or a connection reset by a peer.	Try removing the loopback entries from the default routing table. For more information, see http://www-1.ibm.com/support/docview.wss?uid=swg21040968
The default buffer size for <code>UDP_SENDSIZE</code> is 9216 (9 KB), but fragments sent by WebLogic Server may be up to 32 KB, so using a buffer size smaller than 32 KB may cause an I/O exception.	<ol style="list-style-type: none"> 1. Set the buffer size to 32 KB by issuing the following command: <code>no -o udp_sendspace=32768</code> 2. Reboot WebLogic Server.

For more information about known issues with any components of this release, see the appropriate *Release Notes* document. For a complete list of *Release Notes* supporting WebLogic Platform 7.0, see:

<http://e-docs.bea.com/platform/docs70/interm/relnotes.html>

IBM JVM Updates For DST

IBM has released a Timezone Update Utility to update DST data without the need to upgrade Java. See [IBM Time Zone Update Utility for Java™](#).

Download and Installation Instructions

To run WebLogic Server 7.0 on an AIX 5.1 configuration on PowerPC, POWER3 or PowerPC, POWER4, you must first install the IBM SDK 1.3.1 32-bit PTF 1 on your system. This section provides instructions for downloading and installing this SDK, and for then installing WebLogic Server.

Downloading and Installing IBM SDK 1.3.1 32-bit PTF 1

Note: This patch is no longer available from IBM, but BEA will continue to support customers who obtained it in the past and are still using it.

IBM is providing an efix for IBM SDK 1.3.1 32-bit PTF 1 (IY30887) that fixes the BEA reported PMR 74336,001,866. If you are using IBM SDK 1.3.1 32-bit PTF 1 (IY30887), you need to apply the PTF for APAR IY33728.

1. Download the PTF for APAR IY33728 in the `installp` format from the following FTP site:

<ftp://service.software.ibm.com/aix/efixes/iy33728/>

IBM plans to include this efix in the next PTF release. So at that time, this FTP site will be discontinued. You can then install the next IBM SDK 1.3.1 PTF release to get this efix. The README file at the above FTP site provides information on how to install the efix and when the next PTF release will be available.

2. Verify that the PTF for APAR IY33728 is applied using the following command:

```
$ instfix -ivqk IY33728
```

Installing WebLogic Server 7.0.0.1

The commands used to install WebLogic Server vary from one operating system to another. In addition, command-line parameters vary to accommodate the three modes of installation available with WebLogic Server: graphical mode, console mode, and silent mode.

To install WebLogic Server on an AIX system, run the command appropriate for your installation mode:

- Graphical mode:

```
java -Djdk.check.override=true -classpath pj_server700_generic.jar \com.bea.installer.BEAInstallController
```

- Console mode:

```
java -Djdk.check.override=true -classpath pj_server700_generic.jar \com
.bea.installer.BEAInstallController -mode=console
```

- Silent mode:

```
java -Djdk.check.override=true -classpath pj_server700_generic.jar \com
.bea.installer.BEAInstallController \-silent_xml=/path_to_silent.xml
```

For more information, see [WebLogic Server and WebLogic Express Installation Guide](#).

AIX 5.1 on PowerPC, POWER3 and POWER4 with WebLogic Server 7.0.0.1