



BEA WebLogic Platform™

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

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AIX 5.3 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 5.3, visit IBM's Web site: <http://www.ibm.com>.

Configuration Requirements

Table 1-1 Requirements for 7.0 SP7 on AIX 5.3 on PowerPC, POWER3, POWER4, and POWER5

Operating System Version and Patches	AIX v5.3 ML2	
Chip Architecture and Minimum Processor Speed	<ul style="list-style-type: none"> POWER3 (450 MHz) POWER4 (1.1 GHz) POWER5 (1.5 GHz) 	
SDK	<p>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))</p>	<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: 1.4.2 APAR IY81443 <p>Note: BEA recommends upgrading to the SR4-1 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 SP7” 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
BEA jDrivers for Oracle	Oracle 9.2.0	<p>The following shared libraries are provided:</p> <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.
The default buffer size for <code>UDP_SENDSPEACE</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"> 1. Set the buffer size to 32 KB by issuing the following command: <pre>no -o udp_sendspace=32768</pre> 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: <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.
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/db2v71uw/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 5.3 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:

5.3

- 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>

Download and Installation Instructions

AIX 5.3 on PowerPC, POWER3, POWER4, and POWER5 with 7.0 SP7

AIX 5.3 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 5.3, visit IBM's Web site: <http://www.ibm.com>.

Configuration Requirements

Table 2-1 Requirements for 7.0 SP6 on AIX 5.3 on PowerPC, POWER3, POWER4, and POWER5

Operating System Version and Patches	AIX v5.3 ML0	
Chip Architecture and Minimum Processor Speed	<ul style="list-style-type: none"> POWER3 (450 MHz) POWER4 (1.1 GHz) POWER5 (1.5 GHz) 	
SDK	<p>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>	<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 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 5.3 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 <i>“Supported Database Configurations”</i> 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"> <li data-bbox="108 421 544 508">1. You upgrade from 7.0 SP5 to 7.0 SP6, using the Upgrade installer or Smart Update. <li data-bbox="108 517 544 569">2. Later you perform a rollback from 7.0 SP6 to SP5. <li data-bbox="108 578 544 612">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> <pre data-bbox="571 517 1162 569">_ServletContextidnameDbmsEventRoutercontext pathDbmsEventRouter_EventRouter.xml</pre> <pre data-bbox="571 595 1162 647">_ServletContextidnameDbmsEventRoutercontext pathDbmsEventRouter_tmp</pre> <pre data-bbox="571 682 947 708">running-managed-servers.xml</pre> <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>ibmjse.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/db2v71uw/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 5.3 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

To download IBM SDK 1.3.1 APAR IY65310, 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 5.3.
 - 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 5.3 on PowerPC, POWER3, POWER4, and POWER5 with 7.0 SP6