



# BEA WebLogic Adapter for RDBMS

## Release Notes

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### *BEA WebLogic Adapter for RDBMS Release Notes*

Part Number	Date	Release
N/A	November 2002	7.0 with Service Pack 1

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# BEA WebLogic Adapter for RDBMS Release Notes

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**BEA WebLogic Adapter for RDBMS Release 7.0 with Service Pack 1**  
**Date: November 2002**

This document includes the following topics:

- About This Release of the BEA WebLogic Adapter for RDBMS
- Supported Platforms
- Software Requirements
- Determining the Adapter Version
- Problems Fixed in This Release
- Miscellaneous Issues
- Known Limitations
- Contacting BEA Customer Support

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# About This Release of the BEA WebLogic Adapter for RDBMS

Since most custom and packaged applications are built with relational databases, RDBMS systems must be taken into consideration in any enterprise integration strategy. The BEA WebLogic Adapter for RDBMS incorporates in-depth knowledge of relational database query access, transaction, replication, and copy management technologies to optimize the use of databases with enterprise application systems.

The BEA WebLogic Adapter for RDBMS enables you to integrate with RDBMS systems functioning as an event adapter that listens to a database and a service adapter that accesses a database. In both cases, the query or stored procedure content is expressed in XML. This provides a convenient and simple method for integrating databases with enterprise applications using BEA WebLogic Integration.

## Supported Platforms

The BEA WebLogic Adapter for RDBMS consists of the following two components:

- BEA WebLogic Adapter for RDBMS
- BEA Application Explorer

The BEA WebLogic Adapter for RDBMS and the BEA Application Explorer are currently available on the following platforms:

- Sun Solaris 7 (with Sun recommended patches)
- Sun Solaris 8 (with Sun recommended patches)
- Microsoft Windows 2000 Professional with Service Pack 2
- Microsoft Windows 2000 Server with Service Pack 2
- Microsoft Windows 2000 Advanced Server with Service Pack 2

- Microsoft Windows NT 4.0 with Service Pack 6 or later
- Hewlett-Packard HP-UX 11.0
- Hewlett-Packard HP-UX 11i
- IBM AIX 5.1

We are working to certify the BEA WebLogic adapters and the BEA Application Explorer on additional platforms. Up-to-date information on supported platforms is available at the following URL:

<http://edocs.bea.com/wladapters/docs70/support/index.html>

## Software Requirements

Before you install the BEA WebLogic Adapter for RDBMS, ensure that you have the following software installed:

- BEA WebLogic Server and WebLogic Integration.

The software can be downloaded from the BEA Web site at  
<http://commerce.bea.com/downloads/products.jsp>

As of the release date, the following versions are supported:

- WebLogic Platform 7.0 with Service Pack 1 (WebLogic Server and WebLogic Integration components must be installed)

The information required to install WebLogic Platform 7.0 can be found at  
<http://edocs.bea.com/platform/docs70/install/index.html>

- WebLogic Server 6.1 with Service Pack 2 and WebLogic Integration 2.1 with Service Pack 1

The information required to install WebLogic Server 6.1 can be found at  
<http://edocs.bea.com/wls/docs61/install/index.html>

The information required to install WebLogic Integration 2.1 can be found at  
[http://edocs.bea.com/wlintegration/v2\\_1sp/index.html](http://edocs.bea.com/wlintegration/v2_1sp/index.html)

We are working to certify the adapter with additional versions. Up-to-date information on supported versions is available at the following URL:

<http://edocs.bea.com/wladapters/docs70/support/index.html>

- 
- Java Runtime environment 1.3.1 or higher
  - Web browser
    - Netscape 6.2 or higher
    - Internet Explorer 5.x or higher
  - Access to a supported database server. You must have a database server account with sufficient privileges to create a database with tables. The following databases are supported:
    - Sybase 11.9.2, 12.0, 12.5
    - DB2/UDB 7.x
    - Oracle 8.x, 9.x
    - Informix 7.x, 8.x, 9.x
    - Microsoft SQL Server 7, 2000

## Determining the Adapter Version

To allow you to easily determine the version of the BEA WebLogic Adapter for RDBMS, identifying information has been added to the `Manifest.mf` file.

For example, the `Manifest.mf` file for BEA WebLogic Adapter for RDBMS 7.0 SP1 contains the following:

```
Manifest-Version: 1.0
Created-By: Apache Ant 1.5.1
Label: BEASp1.0003
Implementation-Vendor: BEA Systems
Implementation-Version: 7.0.1.0003
Implementation-Title: BEA RDBMS Adapter SP1 11/06/2002 22:29:48 EST
```

The `Implementation-Version` is provided in the following format: `w.x.y.zzzz`:

- `w.x` represents the major and minor release number (in this case, 7.0)
- `y` represents the service pack number (in this case, 1)
- `zzzz` represents the build number of the release (in this case, 0003)

If you obtain a patch subsequent to a release, identifying information specific to the patch is included in the `Manifest.mf` file.



# Problems Fixed in This Release

The following table lists the problems fixed in BEA WebLogic Adapter for RDBMS 7.0 SP1.

**Table 1. Problems Fixed in This Release**

Problem	Solution
Unable to use JDBC data sources defined in WebLogic Server. (BEA Case 360261)	The RDBMS adapter now supports configuring events and sources.
Incorrect handling of % and %% in parameterized SQL.	Handling of % and %% in parameterized SQL has been corrected.
Unable to create Sybase schemas for stored procedures from the BEA Application Explorer; a <code>java.sql.SQLException:unable to find procedure</code> exception occurs when a stored procedure is selected. (Windows only)	The problem has been fixed in this release.
Unable to create schemas for parameterized SQL from the BEA Application Explorer; the Parameterized SQL Mapper buttons are disabled. (Solaris only)	The problem has been fixed in this release.
When creating an application view, although valid values are entered in the Configure Connection Parameters window, a <code>java.lang.reflect.InvocationTargetException</code> exception occurs when Connect is selected. (Solaris only)	The problem has been fixed in this release.
When editing an application view event, the content of the SQL Post-Query field in is truncated following the first occurrence of a single quote (').	The problem has been fixed in this release.

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# Miscellaneous Issues

The following table describes miscellaneous issues you should be aware of when using the BEA WebLogic Adapter for RDBMS.

Where applicable, entries include a CR (Change Request) number or Case number. Please refer to this number if you contact BEA Customer Support regarding the issue identified. For contact information, see “Contacting BEA Customer Support” on page 12.

**Table 2. Miscellaneous Issues**

<b>1 Using intrinsic functions</b>	
<b>Issue</b>	Computed columns in a <code>SELECT</code> statement do not allow for valid XML tags to be created. (BEA Case 357246)
<b>Platform</b>	All
<b>Workaround</b>	When using intrinsic functions (e.g. <code>SUBSTR</code> ) in your <code>SELECT</code> statement, use the <code>AS</code> clause to change the column name. Please see the ANSI SQL documentation for more information regarding the use of the <code>AS</code> clause.
<b>2 Support for Executing Stored Procedures</b>	
<b>Issue</b>	Support for executing stored procedures against DB2, Informix, and MS SQL Server not yet certified.
<b>Platform</b>	All
<b>Workaround</b>	Will be addressed in a future release.
<b>3 Namespace Prefix in manifest.xml</b>	
<b>Issue</b>	Each schema repository has a manifest that describes the repository and its schemas. This repository manifest is stored as an XML file named <code>manifest.xml</code> .  If you manually create an XML schema, the namespace prefix must be <code>xsd:</code> rather than <code>xs:</code> in the manifest file.
<b>Platform</b>	All

Table 2. Miscellaneous Issues (Continued)

Workaround	Use the xsd: namespace prefix for XML schemas as shown in the following listing:  <pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified"&gt;   &lt;xsd:element name="OrderIn"&gt;     &lt;xsd:complexType&gt;       &lt;xsd:sequence&gt;         &lt;xsd:element ref="Store_Code"/&gt;         &lt;xsd:element ref="LineItem" maxOccurs="unbounded"/&gt;       &lt;/xsd:sequence&gt;     &lt;/xsd:complexType&gt;   &lt;/xsd:element&gt;</pre>
4	Additional code for stock_prices example
Issue	Additional code is required for stock_prices example used in the <i>BEA WebLogic Adapter for RDBMS Adapter User Guide</i> .
Platform	N/A
Workaround	The Oracle code shown in Listing 1 can be used to set up the stock_prices example. This code can be executed using a tool such as Oracle SQL*Plus.

Listing 1 Sample Code for stock\_prices

```
/**
 * Create stock_price table
 */

DROP TABLE STOCK_PRICES
/

CREATE TABLE STOCK_PRICES (
  RIC VARCHAR(6) PRIMARY KEY,
  PRICE NUMBER(7,2),
  UPDATED VARCHAR(11)
  TABLESPACE USERS
/

INSERT INTO STOCK_PRICES(RIC, PRICE, UPDATED)
```

---

```

VALUES('ABC', 95.20, '01-JAN-2002')
/

INSERT INTO STOCK_PRICES(RIC, PRICE, UPDATED)
VALUES('DEF', 30.18, '01-FEB-2002')
/

INSERT INTO STOCK_PRICES(RIC, PRICE, UPDATED)
VALUES('GHIJ', 15.50, '01-MAR-2002')
/

INSERT INTO STOCK_PRICES(RIC, PRICE, UPDATED)
VALUES('KLMN', 16.25, '01-APR-2002')
/

INSERT INTO STOCK_PRICES(RIC, PRICE, UPDATED)
VALUES('OPQR', 14.50, '01-MAY-2002')
/

COMMIT
/

CREATE OR REPLACE PACKAGE Types
AS
TYPE ref_cursor IS REF CURSOR;
END;
/

CREATE OR REPLACE FUNCTION sp_get_stocks(v_price IN NUMBER)
RETURN Types.ref_cursor
AS
stock_cursor types.ref_cursor;
BEGIN
OPEN stock_cursor FOR
SELECT ric,price,updated FROM stock_prices
WHERE price < v_price;

RETURN stock_cursor;
END;
/

```

---

In the BEA Application Explorer your schema generating JDBC is:

```
{? = call SP_GET_STOCKS(20)}
```

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# Known Limitations

The following table describes limitations in the current release of the BEA WebLogic Adapter for RDBMS. Whenever available, a recommended workaround is provided.

Where applicable, entries include a CR (Change Request) number or Case number. Please refer to this number when contacting BEA Customer Support for assistance in tracking the problem identified. For contact information, see “Contacting BEA Customer Support” on page 12.

**Table 3. Known Limitations**

<b>1</b>	<b>CR089473</b>	<b>The adapter components are not fully deployed upon initial deployment, despite all the deployed flags indicating deployment has occurred</b>
	<b>Problem</b>	After you deploy the adapter as described in “Installing the Adapter With WebLogic Integration 7.0” in the <i>BEA WebLogic Adapter for RDBMS Installation and Configuration Guide</i> , the adapter is not fully deployed, even though the WebLogic Server Administration Console indicates Deployed=True for each required component.
	<b>Platform</b>	WebLogic Integration 7.0 with Sun Solaris 7 or 8 WebLogic Integration 7.0 with Hewlett-Packard HP-UX 11.0 or 11i
	<b>Workaround</b>	To properly deploy the adapter components, click Redeploy. This is an issue that will be corrected in a future patch of WebLogic Server. Please contact BEA Customer Support for further information.

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**Table 3. Known Limitations (Continued)**

<b>2</b>	<b>Table schema generation requires a populated table</b>	
<b>Problem</b>	When using the BEA Application Explorer to generate the Event or Service Schema against a table, the associated table must contain at least one valid record for the schema to be generated.	
<b>Platform</b>	All	
<b>Workaround</b>	Ensure that there is at least one valid record on the table being polled.	
<b>3</b>	<b>Workshop Application View Control is not supported</b>	
<b>Problem</b>	The Application View control in WebLogic Workshop is not supported with this release of the adapter.	
<b>Platform</b>	WebLogic Integration 7.0	
<b>Workaround</b>	None	
<b>4</b>	<b>Oracle cursor return types not supported</b>	
<b>Problem</b>	The adapter does not support Oracle cursor return types when using WebLogic Server data sources.	
<b>Platform</b>	All	
<b>Workaround</b>	None	

**Table 3. Known Limitations (Continued)**

<b>5</b>	<b>Generated schema names for Sybase stored procedures include a semicolon</b>	
<b>Issue</b>	The schemas generated by the BEA Application Explorer for Sybase stored procedures include a semicolon (;) in the schema name. Because the semicolon is not a valid character for schema names within application integration, an error is generated when adding a service or event to the application view.	
<b>Platform</b>	All Platforms	
<b>Workaround</b>	Rename the schema by deleting the semicolon or replacing it with a valid character, such as an underscore (_).	
<b>6</b>	<b>Limited transaction support using TxDataSource</b>	
<b>Problem</b>	For Oracle, the adapter does not support transaction using TxDataSource with WebLogic Integration 2.1. For Sybase, the adapter does not support transaction using TxDataSource with WebLogic Integration 2.1 or 7.0.	
<b>Platform</b>	All	
<b>Workaround</b>	None	

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# Contacting BEA Customer Support

If you have any questions about this release of the BEA WebLogic Adapter for RDBMS, or if you have problems installing and running the adapter, contact BEA Customer Support through BEA eSupport at <http://support.bea.com>. You can also contact Customer Support by using the contact information provided on the Customer Support Card, which is included in the product package.

When contacting Customer Support, be prepared to provide the following information:

- Your name, e-mail address, phone number, and fax number
- Your company name and company address
- Your machine type and authorization codes
- The name and version of the adapter you are using
- The version of WebLogic Integration you are using
- A description of the problem and the content of pertinent error messages