

Release Bulletin EAServer 6.0.2 for IBM AIX

Document ID: DC38027-01-0602-01

Last revised: December 6, 2007

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1. Accessing current release bulletin information

A more recent version of this release bulletin may be available on the Web. To check for critical product or document information added after the product release, use the Sybase® Product Manuals Web site.

❖ Accessing release bulletins at the Sybase Product Manuals Web site

- 1 Go to [Product Manuals](http://www.sybase.com/support/manuals/) at <http://www.sybase.com/support/manuals/>.
- 2 Select a product and language and click Go.
- 3 Select a product version from the Document Set list.
- 4 Select the Release Bulletins link.
- 5 From the list of individual documents, select the link to the release bulletin for your platform. You can either download the PDF version or browse the document online.

2. Product summary

Enclosed is Sybase EAServer version 6.0.2, which is compatible with the following platform and operating system configurations:

- IBM AIX 5.2
- IBM AIX 5.3

2.1 Version contents

Enclosed is Sybase EAServer version 6.0.2, build 60221. You may have a later build number if you have installed ESD patches for this release. If so, the cover letters provided with each patch contain the build number and additional documentation.

Table 1: Product support

Product	Supported versions/builds
Adaptive Server® Enterprise	12.5.x and 15.0.x
C++ compiler	IBM XL C/C++ 8.0
Eclipse	3.1.1
<i>Java Development Kits (JDKs):</i>	Versions:
1.4	1.4.2_SR7
1.5	1.5.0_SR3
Jetty	6.1
Oracle client	9.2.0.1 and 10g
PowerBuilder® virtual machine (PBVM)	10.5.1 (build 6021)
<i>Web server redirector plug-ins:</i>	Versions:
Apache	1.0.33 and 2.0.55
Sun Java System	6.1
Microsoft Internet Information Services (IIS)	5.x (6.0 for Windows 2003)
SQL Anywhere®	10.0
Web browsers	Internet Explorer 6.0 Firefox 2.0

2.2 Required system patches

Before installing EAServer, make sure your system has the required patches described in [Table 2](#).

Table 2: Maintenance levels for AIX

AIX Version	Maintenance level
5.3	5300-03
5.2	5200-07

For information on obtaining maintenance files, see the [IBM Fix Delivery Center](#) at <https://techsupport.services.ibm.com/server/aix.fdc?toggle=DNLDML>.

To verify the maintenance level of your system, run:

```
oslevel -r
```

On AIX 5.3 systems, the command should return:

```
5300-03
```

3. Special installation instructions

The *Installation Guide* describes how to install the software.

3.1 Valid browser required for installation

(CR #466892) Before running the EAServer installer, a valid browser must exist on the target installation machine.

4. Migrating entities from EAServer 5.x to 6.0.2

The EAServer migration tool enables you to migrate entities from a 5.x repository to the 6.0.2 repository. For details, see:

- *EAServer Migration Guide* – on the [Product Manuals Web site at `http://infocenter.sybase.com/help/index.jsp?topic=/com.sybase.dc00485_0600/html/easmig/title.htm`](http://infocenter.sybase.com/help/index.jsp?topic=/com.sybase.dc00485_0600/html/easmig/title.htm).
- *EAServer 6.0.2 New Features Guide* – on the [Product Manuals Web site at `http://infocenter.sybase.com/help/index.jsp?topic=/com.sybase.dc38032_0602/html/new602/title.htm`](http://infocenter.sybase.com/help/index.jsp?topic=/com.sybase.dc38032_0602/html/new602/title.htm). This book describes migration tool features that were introduced in version 6.0.2.

“Migration tool issues” on page 10 in this release bulletin describes problems that are known to occur during migration.

5. Changed functionality in this version

For a description of the new EAServer features in versions 6.0 and 6.0.2, see:

- *What's New in EAServer 6.0* – on the [Product Manuals Web site at `http://infocenter.sybase.com/help/index.jsp?topic=/com.sybase.dc38032_0600/html/new60/title.htm`](http://infocenter.sybase.com/help/index.jsp?topic=/com.sybase.dc38032_0600/html/new60/title.htm).
- *EAServer 6.0.2 New Features Guide* – on the [Product Manuals Web site at `http://infocenter.sybase.com/help/index.jsp?topic=/com.sybase.dc38032_0602/html/new602/title.htm`](http://infocenter.sybase.com/help/index.jsp?topic=/com.sybase.dc38032_0602/html/new602/title.htm).

5.1 unixODBC

EAServer 6.0.2 includes unixODBC as its default ODBC driver manager. EAServer no longer includes the Merant DataDirect Connect ODBC drivers. You can either purchase a third-party ODBC driver or use FreeTDS, which is an ODBC driver library based on the TDS protocol.

The following sections describe how to install and use unixODBC with EAServer.

5.1.1 Installing FreeTDS

Before you begin your installation, verify that unixODBC is not already installed on your machine. If it is, uninstall the existing version of unixODBC.

❖ Installing and configuring FreeTDS

- 1 Download FreeTDS from the [FreeTDS Web page at http://www.freetds.org](http://www.freetds.org), and unzip the source code. Sybase recommends that you use the latest version of FreeTDS, which is fully compatible with ODBC 3.0.
- 2 Change to the FreeTDS source code directory; for example, */usr/tmp*, and run:

```
./configure --prefix=$DJC_HOME/freetds \  
--with-tdsver=5.0\  
--with-unixodbc=$DJC_HOME/odbc
```

- 3 Compile the source code:

```
make  
make install
```

The compilation process adds the library *libtdsodbc.so* to *\$DJC_HOME/freetds/lib*.

5.1.2 Configuring ODBC

This section describes how to use the drivers installed with EAServer to configure ODBC data sources.

Before you begin:

- 1 Verify that the TDSQUERY and DSQUERY environment variables are set to null.
- 2 Remove *.odbc.ini* from the user home directory, if it exists; otherwise, values in this file may override attribute values that are defined in *\$DJC_HOME/odbc/odbc.ini*.

Creating a unixODBC data source

When you create a unixODBC data source, the value of “Server Name” must be the same as the ODBC data source name. You can find the data source name in *odbc.ini*, which is located in *\$DJC_HOME/odbc*.

Using ODBC to connect to SQL Anywhere

SQL Anywhere is installed as part of both a typical and a full installation. The installation includes the ODBC driver to connect to the SQL Anywhere database. For example, to connect to the *jagdemo* sample database, specify the absolute path to the SQL Anywhere ODBC driver in the data source’s driver entry of the *\$DJC_HOME/odbc/odbcinst.ini* file.

- 1 Use a text editor to modify the ODBC driver information in *\$DJC_HOME/odbc/odbcinst.ini*.

For example:

```
[SYBASA]
Description = Sybase ASA10 ODBC Driver
Driver =
$DJC_HOME/ASA100/client/lib32/libdbodbc10_r.so
Setup = $DJC_HOME/odbc/lib/libtds.so
TDS_Version = 5.0
UsageCount = 1
CPOutput =
CPReuse =
```

- 2 Add ODBC data source information to *\$DJC_HOME/odbc/odbc.ini*. For example:

```
[EAS Demo DB V10]
Driver = SYBASA
Trace = no
Tracefile = sql.log
Port = 2640
ServerName = easdemodb10
TDS_version = 5.0
```

The name of the driver must be the same as that defined in *odbcinst.ini*. The server name is the database name without the extension.

To verify whether the connection is correct, go to *\$DJC_HOME/odbc/bin*, and use *isql* to execute:

```
./isql -v "EAS Demo DB V10" user password
```

If `isql` shows a command prompt and not an error message, the connection is successful.

Using ODBC to connect to Adaptive Server Enterprise

If you are using an Adaptive Server Enterprise database and FreeTDS as the database driver:

- 1 Add the data source information to *`$DJC_HOME/freetds/etc/freetds.conf`*. For example, to connect to the `MySybase` sample database, enter:

```
[MySybase]
host = ASE hostname
port = 5000
tds version = 5.0
```

where:

- `host` – is the server machine's host name or IP address.
- `port` – is the database server's TDS listener port.

Test the connection to `MySybase` using the command line tool in *`$DJC_HOME/freetds/bin/tsql`*.

```
./tsql -S MySybase -U dba -P dba
```

If the connection is successful, the data source name should be the same as the Adaptive Server Enterprise database name.

- 2 Edit *`$DJC_HOME/odbc/odbcinst.ini`* to include the ODBC data source information. Define an ODBC driver to be the FreeTDS ODBC library. For example:

```
[SYBASE]
Description = Sybase ASE ODBC Driver
Driver = $DJC_HOME/freetds/lib/libtdsodbc.so
Setup = $DJC_HOME/odbc/lib/libtdsS.so
TDS_Version = 5
UsageCount = 3
CPOutput =
CPReuse =
```

- 3 Add the ODBC data source information to *`$DJC_HOME/odbc/odbc.ini`*. For example:

```
[testase]
Driver = SybaseASE
Trace = yes
Servername = ASE hostname
```

```
Port = 5000
Database = tempdb
uid = dba
```

The name of the driver must be the same as that defined in *odbcinst.ini*. The server name is the database name without the extension.

To verify whether the connection works, change to *\$DJC_HOME/odbc/bin*, and run:

```
./isql testase user password
```

If the output displays a command prompt, the connection is successful.

Using ODBC from other client applications

If you have an ODBC client that uses an ODBC driver manager from a third party, edit the driver name in *odbc.ini*, and specify the driver name in *odbcinst.ini*. Refer to the third-party documentation for more details.

6. Known issues

This section describes known issues in this version of EAServer.

6.1 JDK does not include Sun JDBC-ODBC driver

(CR #393342 and #484121) IBM does not ship a Sun JDBC-ODBC driver with its JDK. You can use the SQL Anywhere JDBC-ODBC driver instead.

Workarounds: Select one of the following options. Sybase recommends the first option:

- Set these database property values:
 - Database Type: `Unknown`
 - Database URL: `jdbc:odbc:EAS Demo DB V3`
 - User: `dba`
 - Password: `sql`
 - Driver Class: `ianywhere.ml.jdbcodbc.jdbc3.IDriver`
- Or, set these database property values:
 - Database Type: `SQL_Anywhere`

- Database URL: `jdbc:odbc:driver=~/ASA100/client/lib32/libdbodbc10_r.so;uid=dba;pwd=sql;dsn=EAS Demo DB V3`
- User: `dba`
- Password: `sql`
- Driver Class: `ianywhere.ml.jdbcodbc.jdbc3.IDriver`
- Or, use one of the drivers that IBM recommends—see the [IBM Java Web site at http://www.ibm.com/developerworks/aix/library/au-javaphaix3/](http://www.ibm.com/developerworks/aix/library/au-javaphaix3/).

6.2 Failure to obtain correct license file

(CR #430720) If you start EAServer using a remote desktop connection, the server does not obtain the correct license file.

Workaround: To enable the server to obtain the correct license file when you connect from a remote desktop, use a Virtual Network Computing (VNC) system, such as VMWare or RealVNC.

6.3 Security risk

(CR #434293) Do not use HTTP to connect to the Management Console; the administrative user ID and password are passed in plain-text format during the login process, thus posing a security risk.

Workaround: Use HTTPS to log in to the Management Console. To use HTTPS, you must first obtain a certificate. If you use the sample (test) certificate that is included with EAServer, anyone with EAServer 6.0 has access to your private (test) key. Therefore, Sybase recommends that you use your own certificate.

6.4 Running `configure.bat`

(CR #408976) If you run `configure.sh` on the command line to reconfigure the entity properties of an EAServer module, configuration fails if you specify either the full path to the user-configuration script or the `.xml` extension. For example, these commands fail:

```
configure.sh $DJC_HOME/config/module-user
configure.sh module-user.xml
```

where *module-user.xml* is the user-configuration script for the EAServer module.

Workaround: Run:

```
configure.sh module-user
```

where *module-user* is the name of the user-configuration script without the *.xml* extension.

6.5 Configuring a database type

If you specify values for both the `dataSourceClass` and `driverClass` properties when you configure a database type, the system uses the class defined by `dataSourceClass`, and ignores these properties:

- `driverClass`
- `databaseURL`, because it is used only by the driver class

6.6 Migration tool issues

The following issues occur when migrating EAServer version 5.x to version 6.0.2.

6.6.1 Mapping one-to-many relationships

(CR #441918) By default, EAServer 5.x uses a join table to map one-to-many relationships. If you migrate an entity that uses a join table from 5.x, EAServer 6.0.2 generates queries for the EJBs in the relationships incorrectly.

Workaround: Use a foreign key instead of a join table.

6.6.2 Unencrypted password in migrate.log

(CR #436926) If you connect to EAServer 5.x using an account with a password set from the `migrate.sh` tool GUI, the 5.x password is not encrypted in *migrate.log*.

Workaround: After you successfully migrate to EAServer 6.0.2, remove *migrate.log* from the production server.

6.6.3 Migrating Open Client Client-Library content

(CR #437181) The `migrate.sh` tool does not migrate `sql.ini` content for Open Client™ Client-Library™ connections.

Workaround: Manually copy Open Client Client-Library connection information from the 5.x version of `sql.ini` to the 6.0.2 version.

6.7 SQL Anywhere database issues

When you upgrade to EAServer 6.0.2, Adaptive Server Anywhere (ASA) version 9.0.2 is upgraded to version 10.0, and the name of the database server changes from ASA to SQL Anywhere.

6.7.1 SQL Anywhere incompatible with jConnect driver

(CR #446037) With Adaptive Server Enterprise, EAServer uses an underlying jConnect™ for JDBC™ driver when users select `com.sybase.djc.sql.jit.SybaseDataSource3` as the database driver. However, the jConnect driver does not work with SQL Anywhere, so EAServer uses a JDBC-ODBC driver instead.

6.7.2 Sending JMS messages

(CR #474250) If you are using a SQL_Anywhere database type (versions earlier than 10.0.1) and the `com.sybase.djc.sql.jit.SybaseDataSource3` database driver, sending and receiving JMS messages may be unreliable. This issue is resolved in SQL Anywhere version 10.0.1.

6.7.3 Setting the databaseURL property

(CR #467797) If the value of the `databaseURL` property is “[default]” when you create a new data source for either a Sybase_ASA or SQL_Anywhere database type, attempts to ping the database fail and this message displays:

```
Ping failed due to exception: Use of the JIT driver wrapper for SQL Anywhere requires use of the underlying IAnywhere JDBC/ODBC driver - please reconfigure data source 'asa10demo' to include the odbcDataSource property. Please see the server log file for additional details.
```

Workaround: Set the `databaseURL` property to “jdbc:odbc:driver=EAS 6.0 ASA;uid=dba;pwd=sql;eng=<asa10_db_alias>,” where <asa10_db_alias> is the value of the `-n` parameter that is used when starting the database.

6.7.4 ODBC driver version

(CR #470030) The ODBC driver that you use with EAServer must be either the driver packaged with EAServer or a later version.

6.8 Adaptive Server Enterprise 12.5

(CR #447543) If you are using Adaptive Server Enterprise version 12.5.x with EAServer, you may see this error:

```
"SELECT INTO command not allowed within multi-statement transaction"
```

Workaround: On the machine where Adaptive Server Enterprise is installed, run:

```
$DJC_HOME/extras/jconnect-6.05/sp/sql_server12.5.sql
```

6.9 PowerBuilder issues

This section describes known problems with PowerBuilder and EAServer 6.0.2.

6.9.1 JDBC database driver fails on AIX

(CRs #485463) If you are using the PowerBuilder Data Pipeline and a JDBC driver to pipe data to a database, the operation fails with a database error.

Workaround: None.

6.9.2 PBVM fails

(CR #449087) Running the PBVM causes EAServer to crash.

Workaround: Change to the `$DJC_HOME/bin` directory, and run:

```
rm-links.sh  
init-links.sh
```

6.9.3 Migrating PowerBuilder Web applications

(CR #442234) When you migrate a PowerBuilder Web application from EAServer version 5.x to 6.x, the migration tool replaces the EAServer 5.x profile values in *WEB-INF/classes/jaguar.properties* with the EAServer 6.x values. If the value that you specify for the 5.x host is different from the value you initially defined in the PowerBuilder IDE, the profile properties do not migrate correctly. For example, if you initially defined the 5.x host as “myhost,” specifying either “myhost.sybase.com” or the machine’s IP address causes the migration to fail.

Workaround: When you run the migration tool, set the EAServer 5.x host name to the same value that you initially defined using the PowerBuilder IDE.

6.9.4 Calling `BigDecimal.toString`

(CR #441516) Calling the JDK 1.5 `toString` command for a `BigDecimal` datatype returns the string representation of the `BigDecimal` value, using scientific notation if an exponent is needed. For example, if you call:

```
toString(new BigDecimal("0.000000000000000001"))
```

The return value is “1E-18.” This behavior change is documented by Sun.

Workaround: To return a string representation of a `BigDecimal` without an exponent, call `toPlainString` instead of `toString`.

6.9.5 Profile names cannot contain colons

(CR# 406975) If you deploy a JSP target to EAServer, do not use a colon in the profile name. PowerBuilder writes EAServer profile information in *WEB-INF/classes/jaguar.properties*. If the EAServer profile name contains a colon (for example, *profileName:port*), the related host name and port number cannot be retrieved from *jaguar.properties* at runtime.

6.9.6 Nontransactional components calling `JagRollbackWork`

(CR #434379) If a nontransactional component calls `JagRollbackWork`, no exception is thrown to the client. This transactional behavior changed in version 6.0.

6.9.7 Customer-defined `HTMLGenerator`

(CR #434381) If a customer defines an `HTMLGenerator`, it does not display in the PowerBuilder IDE.

6.9.8 Web and JSP targets

In the PowerBuilder Web DataWindow DTC Properties dialog for a Web or JavaServer Page (JSP) target, two instances of the DataWindow/HTMLGenerator component display when EAServer 6.0.2 is selected as the server.

6.9.9 Configure parameters when exposing component as Web service

(CR #437434) To preserve parameter names in the Web Services Description Language (WSDL) when you expose a component as a Web service, configure the parameter style before you deploy the component.

Workaround: Set the parameter style to either numbered or named; the default is named.

- To set the parameter style to numbered, run:

```
configure.sh ws-numbered-parameters
```

- To set the parameter style to named, run:

```
configure.sh ws-named-parameters
```

6.9.10 Deployment fails for empty Web service

(CR #437435) A Web service must contain at least one method for successful deployment.

6.10 Refreshing EAServer 6.0 applications

(CR #440644) Deploying an application in EAServer 6.0 creates a configuration file for the application, which includes a `refresh` target similar to:

```
<target name="refresh-default">
  <echo level="info" message="refresh: appA"/>
  <ant antfile="ejbjar-appA.appA_ejbmodule.xml" target="refresh"/>
  <ant antfile="webapp-appA.appA_webmodule.xml" target="refresh"/>
</target>
```

If you call `refresh.bat config-file` to refresh an EAServer 6.0 application, the application's children (EJBs, Web applications, connectors, and application clients) are refreshed, but the application itself is not. To refresh an EAServer 6.0 application, including its class loader, use either the Management Console or the `wsh refresh` command line tool.

Workaround: This issue has been fixed in EAServer 6.0.2, but the problem still exists for applications that were deployed in EAServer 6.0. To resolve the issue with 6.0 configuration files, you can either:

- Redeploy the application, or
- Update the configuration file manually, by changing the `refresh` target code to:

```
<target name="refresh-default">
  <echo level="info" message="refresh: application-name"/>
  <refresh module="application-name"/>
</target>
```

6.11 Obsolete HTTP server properties

(CR #452369) Beginning with version 6.0.2, EAServer no longer supports these HTTP properties:

- `httpUseCustomGetServerInfo`
- `httpProxyProtocol`
- `httpProxyPort`
- `httpGetServerInfoFrom`

Instead, EAServer reads these HTTP header fields:

- `host` – to determine the host and port the client used to connect.
- `sybaseredirectorheader` – to determine the protocol that was used to connect to a Web redirector.

If you call any of the `HttpRequest` methods, `getServerName`, `getServerPort`, or `getProtocol`, the values are retrieved from the browser. This is the same behavior that was achieved by setting `httpGetServerInfoFrom` to “source” in versions of EAServer earlier than 6.0.2.

6.12 Web Services Toolkit issues

This following issues may occur when using the Web Services Toolkit.

6.12.1 Activating and deactivating Web services

(CR #448806) The `wstool.sh` commands for activating and deactivating Web services, `wstool.sh activate` and `wstool.sh deactivate`, do not work.

6.12.2 Datatype mapping

(CR #449109) In EAServer 6.0, the Web services datatype-mapping version is set to 1.3, so `xsd:short` is mapped to either a `short` or `unsignedByte` Java datatype. This causes some Web service tests to fail.

Workaround: Set the datatype-mapping version to 1.2, so `xsd:short` will always be mapped to the `short` datatype:

- 1 Start EAServer, and connect to the server using the Management Console.
- 2 Expand the Servers folder, and select the server.
- 3 On the General tab, find the WebServices Type Mapping Version field. The default value is 1.3.
- 4 Change the value to 1.2, and click Save.

6.12.3 Apache Scout

(CR #448380) The Apache Scout client method `BusinessLifeCycleManager.saveAssociations` fails, and a null pointer exception is returned.

6.12.4 Web services display in random order

(CR #422161) The Management Console options to display Web services either alphabetically or in descending order by date do not work. Web services display in random order.

6.13 Miscellaneous issues

6.13.1 javax.management.openmbean.ArrayType error

(CR #485453) Calling the `javax.management.openmbean.ArrayType` function `public boolean isValue(Object object)` may return an error.

6.13.2 Untranslated exception

(CR #474902) When you deploy an EAServer entity, this line displays in the server log:

```
svc: java.lang.Error: Untranslated exception
```

but the function works correctly.

6.13.3 Using JIT data sources

(CR #465348) You can use a JIT (just-in-time) data source to access a database only if you have permission to create tables in the database.

6.13.4 SSLServiceProvider.getGlobalProperty

(CR #436638) The `SSLServiceProvider` method for checking the status of FIPS, `SSLServiceProvider.getGlobalProperty("fips140")`, has not been implemented in EAServer 6.0.2.

6.13.5 Management Console help link

(CR #468346) When you click the Help link in the Management Console, you may see an exception in the server log.

Workaround: Refresh the console.

7. Documentation updates and clarifications

This section contains updates and clarifications for the EAServer product manuals.

7.1 Automated Configuration Guide

7.1.1 Chapter 6, "Using jagtool and jagant"

Deploying applications

(CR #481055) When you use `jagtool.sh` to deploy a self-contained application, you can configure the application to use all the classes from the internal class loader by setting the `disableResolveFirstBySystem` property to true. For example:

```
jagtool.sh deploy -type war -disableResolveFirstBySystem true foo.war
```

Obsolete jagtool commands

(CR #465796 and #447432) These `jagtool` commands are documented in the *Automated Configuration Guide*, but the commands are not supported in EAServer 6.0 and later:

- `configure`

- `export`
- `exportconfig`
- `grantroleauth`
- `mergeprops`
- `props`
- `removeroleauth`
- `set_props`

Generating stubs

(CR #462838) To generate stubs for a package or component, you can use the `jagtool.sh gen_stubs` command. See the *Automated Configuration Guide* for more information about `jagtool` commands.

Syntax

```
gen_stubs [-javastubs true|false] [-cppstubs true|false]
[-javastubjarname file-name] [-javastubcodebase path]
[-cppstubcodebase path] [-compilejavastubs true|false]
[-verbose true|false] entity
```

Option	Description
<i>javastubs</i>	Whether to generate Java stubs; the default is true.
<i>cppstubs</i>	Whether to generate C++ stubs; the default is true.
<i>javastubjarname</i>	If specified, the Java stubs are placed in a JAR file of the specified name. The file name must include the full path. If not specified, Java files are generated (the default).
<i>javastubcodebase</i>	The location of the code base for Java stubs; the default is <i>\$DJC_HOME/genfiles/java/stubs</i> .
<i>cppstubcodebase</i>	The location of the code base for C++ stubs; the default is <i>\$DJC_HOME/include</i> .
<i>compilejavastubs</i>	Whether to compile the generated Java stubs; the default is true.
<i>verbose</i>	Whether to produce verbose output while generating stubs; the default is false.
<i>entity</i>	The name of the entity for which stubs are being generated, in the form <i>EntityType:EntityName</i> , where <i>EntityType</i> is either “Package” or “Component.”

Return values

Return value	Indicates
0	The command ran successfully; the result is true/success.

Return value	Indicates
2	The command did not run successfully; an exception was thrown.

7.2 CORBA Components Guide

7.2.1 Chapter 4, “Managing CORBA Packages and Components”

(CR #437366) You cannot use hyphens (“-”) in CORBA-component package names. CORBA-component packages are those that contain CORBA/C++, CORBA/Java, or PowerBuilder components.

7.2.2 Chapter 5, “Developing and Deploying PowerBuilder Components”

(CR #405138) You cannot use hyphens (“-”) in PowerBuilder NVO method or variable names. EAServer wraps NVOs as EJBs, and Java does not support method or variable names that contain hyphens.

7.3 Enterprise JavaBeans User’s Guide

7.3.1 Chapter 3, “Developing EJB Clients”

If clients run with a JRE, instead of a full JDK, you can prevent the client from trying to generate and compile stubs by setting the system property `djc.allowRuntimeCompile` to false in the Java command that starts the client application.

7.3.2 Chapter 4, “Creating Application Clients”

(CR #472302) In the section “Starting the runtime container,” this example for starting an application client’s runtime container is incorrect:

```
runclient.sh -client my_appclient -login true
```

The correct syntax is:

```
run-appclient.sh -client my_appclient -login true
```

7.4 Installation Guide

7.4.1 Chapter 4, “Installing and Configuring a Web Server Redirector Plug-In”

(CR #474827) In the section “Adding FIPS and TLS support to the Web server redirector plug-ins,” the correct name of the Apache 2.0 library is *libjeas2_mod_f140.so*. The library name that is documented in Chapter 4 is incorrect (*libjeas_mod2_f140.so*).

7.5 Security Administration and Programming Guide

7.5.1 Chapter 6, “Using TLS and FIPS”

(CR #474337) The section “SSL/TLS and FIPS Support” describes how to enable FIPS support, “Enabling FIPS using the Certicom Java libraries.” Step 2 says to set the `com.sybase.ejb.fips` connection property to specify FIPS usage, but fails to specify the value. To enable FIPS support, set the value of `com.sybase.ejb.fips` to true; to disable, set the value to false.

7.6 System Administration Guide

7.6.1 Chapter 3, “Creating and Configuring Servers”

(CR #473658) The section “Configuring system logging” describes how to customize the location of the system log files, but the name of the variable (DJC_JVM_ARGS) is incorrect. The correct variable is DJC_JVM_USER_ARGS; for example:

```
set DJC_JVM_USER_ARGS=$DJC_JVM_USER_ARGS -Ddjc.logFile=/myserver/myserver.log  
-Ddjc.logFileMaxSize=5m -Ddjc.logFileRotation=true
```

Note If you customize the location of the system log files, only the HTTP log is rotated; the server log is not.

7.6.2 Chapter 4, “Database Access”

The section that describes how to configure a database type fails to explain that if you define both a `dataSourceClass` and a `driverClass`, EAServer uses only the `dataSourceClass` value—see “Configuring a database type” on page 10 in this release bulletin.

7.6.3 Chapter 12, “Command Line Tools”

deploy

(CR #481055) When you deploy a self-contained application, you can configure the application to use all the classes from the internal class loader by setting the `disableResolveFirstBySystem` property to true. For example:

```
deploy.sh -disableResolveFirstBySystem foo.war
```

(CR #475510) The documentation that states the `deploy` command line tool includes an `-eas5naming` option is incorrect. This option is not supported.

(CR #475511) EAServer 6.0.2 does not support the `-jsr154filter` option for the `deploy` command line tool. `-jsr154filter` is scheduled to be supported in a later version of EAServer.

7.6.4 Chapter 13, “JNI Compiler”

(CR #472818) Before calling a generated proxy class, standalone clients must call either:

- `JNICC_CreateJavaVM` to initialize the JVM, or
- `JNICC_SetJavaVM(JavaVM* vm)` if the JVM has already been initialized.

7.6.5 Chapter 14, “Systems Management”

(CR #437261) EAServer supports Simple Network Management Protocol (SNMP) features that conform to the Java Specification Request JSR 77. The status of a server and its components are reported as Management Information Base objects, which can be polled, and can also be reported as SNMP traps.

7.7 Web Services Toolkit User’s Guide

7.7.1 Chapter 9, “Using wstool and wstant”

(CR #464242) The Ant build example for the `exposeComponent` command is incorrect:

```
<wst_antTask command="exposeComponent"
  entity="component:myPackage/myComponent" />
```

The correct command is:

```
<wst_antTask command="exposeComponent"
  entity="myPackage/myComponent" />
```

8. Technical support

Each Sybase installation that has purchased a support contract has one or more designated people who are authorized to contact Sybase Technical Support. If you have any questions about this installation or if you need assistance during the installation process, ask the designated person to contact Sybase Technical Support or the Sybase subsidiary in your area.

9. Other sources of information

Use the Sybase Getting Started CD, the SyBooks™ CD, and the Sybase Product Manuals Web site to learn more about your product:

- The Getting Started CD contains release bulletins and installation guides in PDF format, and may also contain other documents or updated information not included on the SyBooks CD. It is included with your software. To read or print documents on the Getting Started CD, you need Adobe Acrobat Reader, which you can download at no charge from the Adobe Web site using a link provided on the CD.
- The SyBooks CD contains product manuals and is included with your software. The Eclipse-based SyBooks browser allows you to access the manuals in an easy-to-use, HTML-based format.

Some documentation may be provided in PDF format, which you can access through the PDF directory on the SyBooks CD. To read or print the PDF files, you need Adobe Acrobat Reader.

Refer to the *SyBooks Installation Guide* on the Getting Started CD, or the *README.txt* file on the SyBooks CD for instructions on installing and starting SyBooks.

- The Sybase Product Manuals Web site is an online version of the SyBooks CD that you can access using a standard Web browser. In addition to product manuals, you will find links to EBFs/Maintenance, Technical Documents, Case Management, Solved Cases, newsgroups, and the Sybase Developer Network.

To access the Sybase Product Manuals Web site, go to [Product Manuals at http://www.sybase.com/support/manuals/](http://www.sybase.com/support/manuals/).

9.1 Sybase certifications on the Web

Technical documentation at the Sybase Web site is updated frequently.

❖ Finding the latest information on product certifications

- 1 Point your Web browser to [Technical Documents at http://www.sybase.com/support/techdocs/](http://www.sybase.com/support/techdocs/).
- 2 Click Certification Report.
- 3 In the Certification Report filter select a product, platform, and timeframe and then click Go.
- 4 Click a Certification Report title to display the report.

❖ Finding the latest information on component certifications

- 1 Point your Web browser to [Availability and Certification Reports at http://certification.sybase.com/](http://certification.sybase.com/).
- 2 Either select the product family and product under Search by Base Product; or select the platform and product under Search by Platform.
- 3 Select Search to display the availability and certification report for the selection.

❖ Creating a personalized view of the Sybase Web site (including support pages)

Set up a MySybase profile. MySybase is a free service that allows you to create a personalized view of Sybase Web pages.

- 1 Point your Web browser to [Technical Documents at http://www.sybase.com/support/techdocs/](http://www.sybase.com/support/techdocs/).
- 2 Click MySybase and create a MySybase profile.

9.2 Sybase EBFs and software maintenance

❖ Finding the latest information on EBFs and software maintenance

- 1 Point your Web browser to [the Sybase Support Page at http://www.sybase.com/support](http://www.sybase.com/support).
- 2 Select EBFs/Maintenance. If prompted, enter your MySybase user name and password.
- 3 Select a product.
- 4 Specify a time frame and click Go. A list of EBF/Maintenance releases is displayed.

Padlock icons indicate that you do not have download authorization for certain EBF/Maintenance releases because you are not registered as a Technical Support Contact. If you have not registered, but have valid information provided by your Sybase representative or through your support contract, click Edit Roles to add the “Technical Support Contact” role to your MySybase profile.

- 5 Click the Info icon to display the EBF/Maintenance report, or click the product description to download the software.

10. Accessibility features

This document is available in an HTML version that is specialized for accessibility. You can navigate the HTML with an adaptive technology such as a screen reader, or view it with a screen enlarger.

EAServer 6.0.2 and the HTML documentation have been tested for compliance with U.S. government Section 508 Accessibility requirements. Documents that comply with Section 508 generally also meet non-U.S. accessibility guidelines, such as the World Wide Web Consortium (W3C) guidelines for Web sites.

The online help for this product is also provided in HTML, which you can navigate using a screen reader.

For information on using EAServer without a mouse, see “Keyboard navigation” in Chapter 2, “Management Console Overview,” in the *EAServer System Administration Guide*.

Note You might need to configure your accessibility tool for optimal use. Some screen readers pronounce text based on its case; for example, they pronounce ALL UPPERCASE TEXT as initials, and MixedCase Text as words. You might find it helpful to configure your tool to announce syntax conventions. Consult the documentation for your tool.

For information about how Sybase supports accessibility, see [Sybase Accessibility at http://www.sybase.com/accessibility](http://www.sybase.com/accessibility). The Sybase Accessibility site includes links to information on Section 508 and W3C standards.

For a Section 508 compliance statement for EAServer, go to [Voluntary Product Assessments at http://www.sybase.com/detail_list?id=52484](http://www.sybase.com/detail_list?id=52484), and click the link for EAServer.