

# Release Bulletin Appeon® 6.5 for PowerBuilder® for Linux

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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 release of the product DVD, use the Sybase Technical Library Product Manuals Web site.

## 1.1 Accessing release bulletins at the Technical Library Product Manuals Web site

- 1 Go to Product Manuals at <http://sybooks.sybase.com/nav/base.do>.
- 2 Follow the links to the appropriate Apeon product.
- 3 Select the Apeon document set version.
- 4 Select the Release Bulletin's link from the document list.
- 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

### 2.1 Software and system settings

Enclosed is Apeon® 6.5 for PowerBuilder® for Linux, which is compatible with Sybase PowerBuilder and Sybase EAServer for the Linux platform, Oracle WebLogic for the Linux platform, IBM Websphere for the Linux platform, and JBoss for the Linux platform. Please refer to the *Apeon Installation Guide* for detailed system requirements.

### 2.2 Version components

Apeon 6.5 for PowerBuilder includes the following components:

- Apeon Server (which includes Apeon Enterprise Manager - AEM, and Apeon Server Status Monitor): Apeon Server can be either installed to EAServer , JBoss, WebLogic, and WebSphere.
- Apeon Server Web Component

## 3. Special installation instructions

### 3.1 Referring to the Apeon Installation Guide

Complete installation instructions for Apeon 6.5 for Linux can be found in the *Apeon Installation Guide for Linux* included with the Apeon 6.5 software package. It is IMPORTANT for the user to make sure that all system requirements, Apeon Server installation prerequisites, and Apeon Developer installation prerequisites are met. Please read carefully and follow each step listed in the document.

### 3.2 Installing Apeon for PowerBuilder components

#### 3.2.1 Installing Apeon from the installation DVD

Apeon setup.exe does not start automatically when you insert the Apeon installation DVD into the DVD-ROM drive. Search in the installation folder and run the setup.exe file.

If you remove the installation DVD from the DVD-ROM while the installation window is still being displayed, there will be an error message “the wrong volume is in the drive”. You can simply close the message by clicking the Cancel button.

#### 3.2.2 Installation from network unavailable

Silent installation of EAServer from a network is unsupported. This will cause an error message, stating "Can't find setenv.bat. The program will be terminated." to appear. Always copy the EAServer files to the local machine first, and then begin the installation process.

### 3.3 Upgrading from earlier versions of Apeon

Apeon 6.5 setup program only supports upgrading Apeon 6.0/6.1/6.2 to the latest version. If you are using Apeon 5.x or an earlier version, you must uninstall the existing version first. Then install Apeon 6.5 with the setup program.

Detailed upgrade and uninstall instructions are provided in the *Appeon Installation Guide*.

### 3.4 Abnormal exit from the installation process

If the Appeon 6.5 upgrade installation closes abnormally (such as due to electricity breakdown or computer logoff), the installation process cannot be immediately resumed. Instead, an error message will appear. When the error occurs, restart the installation process by rebooting the computer or manually killing the `msiexec.exe` process in the task manager.

## 4. Known issues

### 4.1 Normal behavior with necessary explanation

#### 4.1.1 Appeon Developer shortcut

After Appeon Developer and Appeon Server are installed, click the Appeon Developer Run button, and you may not see any of the demo applications listed; though you can run the applications in Internet Explorer. This is normal because a Web application will be listed only if the Web deployment process has been performed.

#### 4.1.2 Appeon Developer toolbar does not respond

When you attempt to activate an Appeon Developer tool, such as Configure, immediately after the deployment of a large application, the tool may be slow to respond or not respond at all. The tools may take a few minutes to work properly.

This is normal. After you click the Finish or Finish and Run button to end an application deployment process, it takes a while for the Appeon Developer execution program *EonADT60.exe* to end (that is, the CPU usage of the *EonADT60.exe* in the Windows Task Manager returns to 0). The larger the application, the longer it takes for the *EonADT60.exe* to end. The Appeon Developer toolbar tools cannot be activated until the CPU usage of the *EonADT60.exe* returns to 0.

### 4.1.3 Avoid using existing folder names in the Web server Web root for application Web URLs

Avoid setting application Web URLs as existing folder names in the Web server Web root because: (1) If a Web application uses an existing folder under the Web root as the Web URL, a large number of Web files belonging to the application will be deployed to that folder, making it difficult to use the folder for its original purpose. (2) If a Web application uses a folder that is reserved for the Web server or Apeon Server, some important files belonging to the Web server or Apeon Server may be replaced or even removed when the application is undeployed.

The following are folder names reserved for the Web server or Apeon Server that should not be used as application Web URLs: apeon, classes, docs, images, ir, wst, and WEB-INF.

### 4.1.4 Internet Explorer Refresh button

When a Web application is running, clicking the Internet Explorer Refresh button will restart the Web application immediately.

### 4.1.5 Remote deployment failure

Deployment to a remote server can fail with an unsupported deployment profile configuration.

An unsupported deployment profile configuration is: a given Apeon Developer deployment profile containing a mix of both local and remote servers; the local server has a "localhost" listener. With this configuration, the application will deploy successfully to the local server, though not to the remote server(s).

Workaround: Remove the "localhost" listener from the local server or change the name of the listener.

#### 4.1.6 “Failed to send the request to Web server” error during deployment

In some cases, while performing task 3 of an application's deployment, although the Web Server is connected without any problem, Apeon Developer fails to deploy the application to the Web Server, resulting in a "Failed to send the request to Web server" error message. This error occurs when the Web Server is handling deployment requests from several machines running Apeon Developer. Although the Server can process several deployments simultaneously, it cannot write to a certain file for several different deployments at one time.

Workaround: Wait a few minutes and try the deployment again using the "Deploy Already Generated Application" mode.

#### 4.1.7 DataWindow issues with applications upgraded to a newer version of PowerBuilder

After an application has been upgraded to PowerBuilder 9, 10, 10.5, 11.5, or 12.0, some DataWindows or DataWindow columns may not be saved in the correct PowerBuilder 9, 10, 10.5, 11.5 or 12.0 formats. This issue seems to most often affect applications upgraded from PowerBuilder 5 or 6.

Apeon Developer Feature Analysis tool can catch DataWindows that are not correctly upgraded.

The older PowerBuilder format will cause one of two errors that are documented below with solutions:

**Error #1:** In the application deployment, the task 1 "application source code export" exits abnormally while trying to get the list of objects from application PBLs.

**Solution:** Open each DataWindow of the application in PowerBuilder 9, and save the DataWindow again using the same DataWindow name.

**Error #2:** Some DataWindow columns do not display any data.

**Solution:** Open the affected DataWindow in PowerBuilder 9, change the DataWindow column to another name and save. Then change the column back to the original name and save again.

### 4.1.8 Unable to abort a deadlocked transaction by closing IE

When deadlock occurs during the execution of SQL statements or stored procedures, unlike client/server applications, the deadlocked transaction cannot be aborted by closing IE. This is because the database transaction is connected to the Appeon Server, rather than to the client.

To abort a transaction when deadlock occurs, use any of the following workarounds: 1) Restart the database; 2) Abort the transaction at the Database Server; or 3) Wait until the transaction time out.

## 4.2 Issues caused by other software

### 4.2.1 Sybase Enterprise Portal issue

With applications deployed with Appeon Xcelerator, when you try to maximize or minimize an application loaded in Enterprise Portal (EP) 6.1 or Unwired Accelerator (UA) 6.5, or click the portlet title, EP or UA attempts to reload the application but fails. This issue is currently being researched by Sybase.

Workaround #1: When the portlet turns blank after clicking the Maximize or Minimize button or the portlet title, click the Internet Explorer Refresh button to rerun the application.

Workaround #2: Modify the EP pageserver\_body\_ie\_mixed\_divIFrame.jsp file before running Appeon applications in EP.

Original:

```
portletBars.append("\n\t\t\t document.write(\\"<td nowrap width=17
valign=bottom align=right height=11><a
href=\\\"javascript:resizeTileWindow(\"+theld+\"\", \"'+height+\"\", \"'+tileid+\"\",
'+security+\", \"'+thelframe+\"\")\\\"><img name='minimize'+theld+\"
id='minimize'+theld+\" src=\\\"'+minimizeIcon_img+\\\"' width='12'
height='12' border='0'
ALT=\\\"+(String)messages.get(\"ALT_MIN_WIN\")+\"></a><span
class='nbsp'>&nbsp;&nbsp;</span></td>\\");
```

```
portletBars.append("\n\t\t\t document.write(\\"<td nowrap width=17
valign=bottom align=right height=11><a
href=\\\"javascript:maximizeTileWindow(\"+theld+\"\")\\\"><img
name='expandIcon'+theld+\" id='expandIcon'+theld+\">
src=\\\"'+expandIcon_img+\\\"' border='0'
```

```
ALT="(String)messages.get("ALT_MAX_WIN")+ "</a><span
class='nbsp'>&nbsp;</span></td>\"; \n");
```

Modified:

```
portletBars.append("\n\t\t\t document.write(\"<td nowrap width=17
valign=bottom align=right height=11
onclick=\\\"javascript:resizeTileWindow(\"+theld+\", \"+height+\", \"+tileid+\",
\"+security+\", \"+thelframe+\"))\\\"> <img name='minimize'+theld+\"
id='minimize'+theld+\" src='\"+minimizelcon_img+\"' width='12'
height='12' border='0'
ALT=\"+(String)messages.get("ALT_MIN_WIN")+ "</a><span
class='nbsp'>&nbsp;</span></td>\"; \n");
```

```
portletBars.append("\n\t\t\t document.write(\"<td nowrap width=17
valign=bottom align=right height=11
onclick=\\\"maximizeTileWindow(\"+theld+\"));\\\"><img
name='expandlcon'+theld+\" id='expandlcon'+theld+\">
src='\"+expandlcon_img+\"' border='0'
ALT=\"+(String)messages.get("ALT_MAX_WIN")+ "</a><span
class='nbsp'>&nbsp;</span></td>\"; \n");
```

## 4.2.2 PowerBuilder SaveAs issues

### 4.2.2.1 SaveAs in PowerBuilder applications

In a PowerBuilder application, if the user saves a file (such as a text file) to a folder other than the PowerBuilder application folder, the relative path of the PowerBuilder application is changed to the specified path. As a result, the images in the PowerBuilder application cannot be retrieved successfully from the correct relative path and displayed in the application.

This is normal behavior for PowerBuilder. As a workaround, always save these files to the PowerBuilder application folder.

### 4.2.2.2 "Expecting 3 retrieval arguments but got 1" or "Nested arguments are incorrectly specified" error when opening a nested report

A nested report runs in a client/server application but cannot be opened on the Web and an error dialog box similar to "Expecting 3 retrieval arguments but got 1" or "Nested arguments are incorrectly specified" appears.

Possible solution: In the PowerBuilder application, open the report and move it one unit to one side and then back to its original position. Redeploy the application using the deployment wizard.



### 4.2.3 ListView InsertColumn error

When adding a column to a ListView control by the InsertColumn function, the new column contains display values that are duplicated from the original column, and executing GetItem for the column returns incorrect values.

This is a PowerBuilder issue and can be repaired with PowerBuilder 9.0.2 Build 7638.

### 4.2.4 Non-English characters do not display properly

If the PowerBuilder application is based on a non-English language, using a SQL Server database, non-English characters may not display properly in the Appeon-deployed Web application. One of the most commonly affected collations for SQL Server is SQL\_Latin1\_General\_CP1251\_CI\_AS. This issue is caused by a defect in the SQL Server JDBC driver. In general, this issue will not be encountered in the PowerBuilder application unless the PowerBuilder application is also using the SQL Server JDBC driver.

Solution: Upgrade the Microsoft SQL Server JDBC Driver to the latest SP. This upgrade is available from the Microsoft Website for SQL Server at: <http://www.microsoft.com/downloads/details.aspx?FamilyID=9f1874b6-f8e1>.

### 4.2.5 Sybase iAnywhere driver issue with stored procedure

If a DataWindow uses an ASA stored procedure with at least one IN parameter, with iAnywhere driver the DataWindow cannot retrieve data successfully. This is an issue with iAnywhere driver (CR 325795). Stored procedures without parameters are not affected.

Workaround: Use SUN JDBC-ODBC driver instead of iAnywhere driver for applications with stored procedures that require IN parameter(s).

### 4.2.6 Browser popup issue

If anti-popup software, such as Popup Stopper by Panicware, is installed and is active on the client machine, it will not allow browser popups to occur. Software that prevents Internet browser popups can cause certain operations to be disabled in the Appeon-deployed Web applications, such as Print View, or other operations that automatically load an Internet Explorer window or a popup dialog.

Workaround: Disable the anti-popup software to allow Print View, or other browser-related features to work properly.

#### 4.2.7 EonServerInit and EonDataServer error in Jaguar.log

In the jaguar.log file; an 'eonserverinit' error may appear during Jaguar startup. When the user attempts to retrieve data from the database, a little further down in the log file, the 'eondataserver' error may appear.

This is an issue with the Sybase licensing program, SYSAM, which causes a conflict between the ASE EJB container and EAServer. When the ASE EJB option is installed on a computer, it disables the ability to run the PowerBuilder Virtual Machine in EAServer. Appeon requires PowerBuilder Virtual Machine to function properly.

Workaround: Remove the ASE EJB option from the SYSAM license file by following these three steps:

1. Back up the SYSAM license file
2. Edit the SYSAM license file and delete the line “ASE\_EJB...”
3. Restart EAServer

#### 4.2.8 Oracle stored procedure error ORA-24334

Typically this error occurs when an Oracle stored procedure in a PowerBuilder DataWindow returns a resultset by use of a cursor. The stored procedure will run properly in PL/SQL. However, if the DataWindow in PowerBuilder utilizes this same stored procedure, PowerBuilder will return the Oracle error: ORA-24334.

Oracle has resolved this in Oracle 9.2.0.3 Patch 2 and Oracle 9.2.0.4.

### 4.3 Features that do not function correctly

#### 4.3.1 Failed to deploy Web applications in 64-bit JEUS server

A parsing error occurs in 64-bit JEUS server console when deploying the Appeon6.5-deployed-Web applications.

Cause: The application configuration file web.xml cannot be parsed by JEUS.

Solution: 1. Unzip web.xml under the Web application folder “WEB-INF”.

2. Modify the following line:

```
<web-app version="2.4" xmlns="http://java.sun.com/xml/ns/j2ee">
```

```
To <web-app version="2.5" xmlns="http://java.sun.com/xml/ns/javaee">
```

3. Use the modified web.xml file to replace the old web.xml file under “WEB-INF”.

### 4.3.2 Apeon Debugger failed to start

When debugging an Apeon application which is deployed to a remote Web server, the error "Files in the Web server are not updated" appears. This error occurs if the FTP service of that remote Web server is stopped, which blocks Apeon Debugger from reading files on that Web server.

Solution: Start the FTP service of the remote Web server.

### 4.3.3 Apeon demos failed to run

The Web version of Apeon demo applications may fail to start when you launch them directly after the installation of Apeon Server. Restarting Apeon Server can solve the problem.

### 4.3.4 Using constant to call ASE stored procedure with output parameter

It is unsupported to use a constant to call an ASE stored procedure that contains output parameter(s). The call will return a different value from the value returned in PowerBuilder.

Workaround: Assign the constant to a variable, and use the variable as the output parameter for calling the stored procedure.

### 4.3.5 Executing dwcontrol.object.data[n]

Executing dot notation dwcontrol.object.data[n] on the Web produces different results from PowerBuilder.

Solution: Use any of the following dot notations as a substitute for dwcontrol.object.data[n]: dwcontrol.object.data.primary[n], dwcontrol.object.data.current[n] or dwcontrol.object.data.primary.current[n].

## 4.4 Multiple language issues

### 4.4.1 Chinese characters in n-Tier DataWindow

Chinese characters cannot be saved in a distributed DataWindow. This is not an Appeon bug. This problem also exists in PowerBuilder applications.

### 4.4.2 ASA database issue

ASA 7.0 cannot fully support double-byte language characters, such as Chinese and Korean. Workaround: Use ASA 8.0.2 instead.

### 4.4.3 Locale setting of the operating system

Make sure that the language selected for the operating system is the same as the Application Language selected in the application profile. Otherwise, an error may occur during PDF printing.

## 5. Bug fixes in Appeon 6.5 for PowerBuilder

Bug ID 28235

When modifying DW processing from 0 to 5, after Retrieve, rowcount is different from PB.

Bug ID 28175

The Permission Requested message box does not pop up if the Web application URL is not a trusted site, which causes IE browser to show the html scripts, rather than execute scripts and show Web page.

Bug ID 28277

Regional issue with SQL Server datetime which causes the datetime column cannot save on Web.

Bug ID 28265

`dwcontrol.Object.DataWindow.Objects` returns a wrong value when the column is not selected in DW UI and an existing object has the same suffix name as this column.

Bug ID 28250

After modifying the file extension name of index.html, the Web application will fail to get application configuration from Appeon Server.

Bug ID 28234

Regional issue with Datawindow Evaluate function with Italian decimal separator.

Bug ID 28172

pagecount() function behaves incorrectly when 2 DataWindow groups are defined (both select Reset page count and new page on group break properties).

Bug ID 28039

If the encoding type of a file is not ANS!!, the ImportFile function will not pass the test when it is used.

Bug ID 27887

Server log does not record the SQL statement that has errors, it records the error only.

Bug ID 27851

When retrieving some special date time data, IE will close.

Bug ID 27522

Cannot change AM to PM in EditMask edit style column with datatype time and format of "HH:MM AM/PM".

Bug ID 27391

Appeon Debugger tool cannot load the file larger than 500 kb in size.

Bug ID 27934

Appeon log mode cannot control the AEM Log.

Bug ID 27563

Column limit property of datawindow in PB 9 cannot limit the multibyte character.

Bug ID 27935

Cursor problem when using Full Screen view (F11) in IE 8.

Bug ID 27932

In the Window XP theme, a few complex windows may quit.

Bug ID 27644

If the WHERE condition includes the 'null' and '<>' keyword in the DataWindow datasource, Web application reports SQL syntax error message when calling the Retrieve function.

Bug ID 27520

The format of a decimal column can not be correctly displayed in DataWindow when the decimal symbol is the dot mark and the digit grouping symbol is the comma on some European Operating System (i.e., French, Italian). For example, for a decimal 2.45 with format '#####0.000' and edit format '#####0.000', the decimal point skips 2 digits rightwards to the last digital and shows 245.000 in DataWindow.

## 6. Product compatibilities

The current installation program for Apeon 6.5 has been tested to work only with the configurations and settings stated in the *Apeon Installation Guide*. Please read the document carefully.

## 7. 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 or an Authorized Sybase Support Partner. If you have any questions about this product or if you need assistance with the installation process, ask the designated person to contact Sybase Technical Support or the Authorized Sybase Support Partner in your support contract. You can also access the Technical Support Web site at <http://www.sybase.com/support>.

## 8. Other sources of information

Use the product DVD and the Sybase Technical Library Product Manuals Web site to learn more about your product:

The product DVD contains product manuals for your software in Adobe PDF format. The Adobe Acrobat Reader is required to view the documents. The manuals can be found in the Documentation folder under the DVD root.

The Technical Library Product Manuals Web site is an HTML version of the manuals provided with the product DVD that can be accessed using a standard Web browser. In addition to product manuals, you will find links to EBFs/Updates, Technical Documents, Case Management, Solved Cases, newsgroups, and the Sybase Developer Network.

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