

Release Bulletin Appeon® 6.5.1 for PowerBuilder® for Windows

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Topic	Page
1. Accessing current release bulletin information	2
2. Product summary	2
2.1 Software and system settings	2
2.2 Version contents	2
3. Special installation instructions	3
3.1 Referring to the Appeon Installation Guide	3
3.2 Installing Appeon for PowerBuilder components	3
3.3 Upgrading from earlier versions of Appeon	4
3.4 Abnormal exit from the installation process	4
4. Known issues	4
4.1 Normal behavior with necessary explanation	4
4.2 Issues caused by other software	7
4.3 Features that do not function correctly	11
4.4 Multiple language issues	12
5. Bug fixes in Appeon 6.5.1 for PowerBuilder	12
6. Product compatibilities	17
7. Technical support	17
8. Obtaining Help and Additional Information	17

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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 Documentation Web site.

1.1 Accessing release bulletins at the Sybase Product Documentation Web site

- 1 Go to [Product Documentation at http://www.sybase.com/support/manuals/](http://www.sybase.com/support/manuals/)
- 2 Select the “Appeon for PowerBuilder” product.
- 3 Select a version from the Document Set list.
- 4 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 Appeon® 6.5.1 for PowerBuilder® for Windows, which is compatible with Sybase PowerBuilder and Sybase EAServer for the Windows platform, Oracle WebLogic for the Windows platform, IBM Websphere for the Windows platform, and JBoss for the Windows platform. Please refer to the *Appeon Installation Guide* for detailed system requirements.

2.2 Version contents

Appeon 6.5.1 for PowerBuilder includes the following components:

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

- Appeon Help
- Appeon Demo Applications:
 - Appeon Code Examples Demo
 - Appeon Pet World
 - Appeon Sales Application Demo
 - Appeon ACF Demo
 - Appeon XMI Demo
- Sybase EAServer 6.3

3. Special installation instructions

3.1 Referring to the Appeon Installation Guide

Complete installation instructions for Appeon 6.5.1 for Windows can be found in the *Appeon Installation Guide for Windows* included with the Appeon 6.5.1 software package. It is IMPORTANT for the user to make sure that all system requirements, Appeon Server installation prerequisites, and Appeon Developer installation prerequisites are met. Please read carefully and follow each step listed in the document.

3.2 Installing Appeon for PowerBuilder components

3.2.1 Installing Appeon from the installation DVD

Appeon setup.exe does not start automatically when you insert the Appeon 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 Appeon

Appeon 6.5.1 setup program only supports upgrading Appeon 6.0/6.1/6.2 to the latest version. If you are using Appeon 5.x or an earlier version, you must uninstall the existing version first, then install Appeon 6.5.1 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 6.5.1 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 msixec.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 Appeon Server, some important files belonging to the Web server or Appeon Server may be replaced or even removed when the application is undeployed.

The following are folder names reserved for the Web server or Appeon Server that should not be used as application Web URLs: appeon, 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 Appeon 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, Appeon 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 Appeon 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, 12.0, or 12.5 some DataWindows or DataWindow columns may not be saved in the correct PowerBuilder 9, 10, 10.5, 11.5, 12.0, or 12.5 formats. This issue seems to most often affect applications upgraded from PowerBuilder 5 or 6.

Appeon 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

When you try to maximize or minimize an Appeon Web 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;</span></td>\\\"'); \n");
```

```
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='\"+minimizeIcon_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=\\\"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\";
```

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. (Service Pack 2 version 2.2.0037 was the latest version at the time of this bulletin). 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 Appeon6.5.1-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 Appeon Debugger failed to start

When debugging an Appeon 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 Appeon Debugger from reading files on that Web server.

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

4.3.3 Appeon demos failed to run

The Web version of Appeon demo applications may fail to start when you launch them directly after the installation of Appeon Server. Restarting Appeon 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 6.5.1 for PowerBuilder

Bug ID 28570

In the Windows Vista/XP theme OS, running the Appeon Web application in the 64-bit IE will crash.

Bug ID 26662

When entering a Japanese word or Chinese word into the DataWindow column, the Input Method Editor window of conversion list blinks incorrectly.

Bug ID 28549

When the column autosize height property is true, column cannot get focus.

Bug ID 28553

Appeon package tool failed to update the incremental PBL to the setup.war file.

Bug ID 28582

Appeon cannot retrieve data using the "with" key as the datawindow sql.

Bug ID 28595

Web service datawindow with datetime parameter cannot retrieve data.

Bug ID 28579

InputFieldLocate function of RichText DW causes the IE crash.

Bug ID 28571

Dynamically creating child menu causes error.

Bug ID 28560

When setting the datawindow decimals to 28-bit, executing e-sql to update the negative decimal data produces incorrect result.

Bug ID 28685

Appeon cannot support the DoubleClicked event parameter in DW report when group has more than 1 row.

Bug ID 28702

When the DW EditChanged event contains the SelectedLength() function, Appeon cannot edit the month and day.

Bug ID 28708

When DW Column Editmask is 0.00% or ###,###0.00%, the data will expand 10000 times.

Bug ID 28547

When the 64-bit DLL is called in Appeon Web application, IE will crash.

BugID 28717

The floating-point number with 15 digits is rounded by Appeon. This behavior is different from PowerBuilder.

BugID 28746

When selected, DDLB with numeric datatype shows the Data value instead of the Display value.

BugID 28755

Performance is extremely slow when using CopyRTF().

BugID 28779

Failed to get 'datawindow.data.xml' return value when dynamically creating the datawindow object after inserting an empty row.

BugID 28814

The identify column in Filter buffer of datawindow failed to update to database.

Bug ID 28863

FileWrite cannot work in StreamMode.

Bug ID 28869

Under DW QueryMode, the DW SQL uses the alias name of table, but the converted SQL uses the real name of table.

Bug ID 28878

Embedded SQL Update Clob column has issues in PB 12 or later.

Bug ID 28880

When the Evaluate expression contains space, the DW Describe function returns incorrect value.

Bug ID 28882

The SpellChecker DLL cannot be called in 64-bit IE.

Bug ID 28883

For the dynamically created Crosstab DataWindow, if the first data retrieval returns 0 (no data), then the second data retrieval will cause Crosstab DW to disappear.

Bug ID 28884

Immediately after the user selects WebSphere or WebLogic or EAServer 6.x in the Connection Cache Profiles window in Appeon Developer, there is no message that tells user this is unsupported server, the user has to struggle through the configuration window and then they found the selected server is unsupported.

Bug ID 28887

InputFieldLocate function caused IE crash.

Bug ID 28908

When calling the procedure, Appeon Server cannot find the procedure, because it did not pass the user name.

Bug ID 28909

When inputting millisecond in a DateTime column, the value is incorrect, for example, input 02/22/12 10:47:09:050 in a column with format "mm/dd/yy hh:mm:ss:fff", the value changes to 02/22/12 10:47:09:500.

Bug ID 28910

If you set the printer to "Print on both sides", and then call the PrintDataWindow function to print the DataWindows in one print job, the second side will be always printed using the same margin as the first side.

Bug ID 28911

Deploy log cannot display in the expected format in IE 9.

Bug ID 28926

When there is more than one result set for a stored procedure, SQLCode returns -1 in PB, while returns 100 in Appeon.

Bug ID 28927

SaveAs XML, for example dw_1.SaveAs(s_filename, XML!, false) failed to store data whose row status is DataModified!, however it can store data whose row status is NewModified! or NotModified!.

Bug ID 28929

If the DataWindow object takes retrieval arguments but none is passed, the DataWindow control prompts the user for them, however, this prompt window did not display in Appeon Web application.

Bug ID 28933

FileReadEx cannot read BMP file into blob variable in StreamMode; when reading BMP file into string variable in LineMode, it will cause IE crash.

Bug ID 28934

When a DataWindow is dynamically created, JBoss reports a warning in console "Closing a result set you left open! Please close it yourself."

Bug ID 28935

Using the Round, Abs, or Truncate function to handle the decimal data will produce a slightly different result in Appeon, for example, round(64.1) = 64.0999999999999900 which produces a very slight difference 0.000000000000001.

Bug ID 28939

When dynamically add items to the first-level menu, some items fail to add, and when dynamically adding items to the second-level menu, IE crashed.

Bug ID 28941

When setting the Run Mode Settings to "Test Mode" in AEM, calling the of_callwebservice function will report error "Internal error. Please contact the system administrator."

Bug ID 28943

When executing the Resize event for multiple times, the value of NewWidth or NewHeight will be different after each execution.

Bug ID 28944

Dynamically creating Transaction object using objecttypestring is successful, yet the error "Object reference not set to an instance of an object." pops up when connecting.

Bug ID 28948

The lbuttonup event of User Object will be triggered twice.

Bug ID 28949

When the server call command execution time is over 90 seconds, Appeon will report the error "Failed to connect to Application Server".

Bug ID 28951

When the data has null value, exporting DataWindow data to a text file is incorrect.

Bug ID 28988

FilewriteEX can only write 32765 characters at a time.

Bug ID 28974

UFA cannot open PB data source in PB12.1 (Japanese version).

6. Product compatibilities

The current installation program for Appeon 6.5.1 has been tested to work only with the configurations and settings stated in the *Appeon 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. 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.

8. Obtaining Help and Additional Information

Use the Sybase Getting Started CD, Product Documentation site, and online help to learn more about this product release.

- The Getting Started CD (or download) – contains release bulletins and installation guides in PDF format, and may contain other documents or updated information.
- Product Documentation at <http://sybooks.sybase.com/> – is an online version of Sybase documentation that you can access using a standard Web browser. You can browse documents online, or download them as PDFs. In addition to product documentation, the Web site also has links to EBFs/Maintenance, Technical Documents, Case Management, Solved Cases, Community Forums/Newsgroups, and other resources.
- Online help in the product, if available.

To read or print PDF documents, you need Adobe Acrobat Reader, which is available as a free download from the Adobe Web site.

Note: A more recent release bulletin, with critical product or document information added after the product release, may be available from the Product Documentation Web site.