

Release Bulletin Appeon® 3.1 for PowerBuilder® for Windows

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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 CD, 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://www.sybase.com/support/manuals/>.
- 2 Follow the links to the appropriate Apeeon product.
- 3 Select the Release Bulletin's link.
- 4 Select the Apeeon product version from the Release Bulletin's 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 Apeeon® 3.1 for PowerBuilder®, which is compatible with Sybase® PowerBuilder® and Sybase EAServer for the Windows platform. Please refer to the *Apeeon Installation Guide* for detailed system requirements.

2.2 Version components

Apeeon 3.1 for PowerBuilder includes the following components:

- Apeeon Server (includes Apeeon Enterprise Manager - AEM, and Apeeon Server Status Monitor)
- Apeeon Developer

Apeeon Developer provides two deployment options: Apeeon Xcelerator deployment and Pure-JavaScript deployment.
- Apeeon Server Web Component
- Apeeon Demo Applications:

- Appeon Code Examples Demo
- Appeon Sales Application Demo
- Appeon ACF Demo
- Sybase EAServer 5.2
- PDFPrinter

3. Special installation instructions

3.1 Referring to the Appeon Installation Guide

Complete installation instructions for Appeon 3.1 can be found in the *Appeon Installation Guide* included with the Appeon 3.1 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 every step described in the document.

The user documents are located on the Documentation CD.

3.2 Installing Appeon for PowerBuilder components

3.2.1 Installing Appeon from the installation CD

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

If you remove the installation CD from the CD-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 Installing Appeon Server before Appeon Developer

Appeon Server must be installed before Appeon Developer if Appeon Developer and Appeon Server will be installed on the same machine. This is to ensure that Appeon Developer works with the correct EAServer version if multiple EAServer installations exist on the same machine.

3.2.3 Installing EAServer 5.2

Appeon provides EAServer 5.2 silent installation during the Appeon Server installation. If you have not installed EAServer 5.2, you can select to install it during the Appeon Server installation. If you have already installed EAServer 5.2 before the Appeon Server installation, you can skip this option and install Appeon Server only. In this case, you should verify that EAServer is fully installed and works properly before you install Appeon.

3.2.4 Installation from network unavailable

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

3.2.5 Appeon Developer configuration during installation

Two options are provided during the Appeon Developer installation: "Automatically configure Appeon Developer (for local deployment only)" and "I will manually configure Appeon Developer when Setup is complete". If you have already installed Appeon Server to the same machine where Appeon Developer is being installed, it is recommended to choose "Automatically configure...". The installation program can automatically configure the Server Profile and Deployment Profile in the Appeon Developer Configuration window for the locally installed Appeon Server.

If you have not installed or do not intend to install Appeon Server to the same machine where Appeon Developer is being installed, you can choose "I will manually configure ...". After the installation, please go to the Appeon Developer Configuration window and configure the Server Profile and Deployment Profile.

3.2.6 PDFPrinter and Customer PDFPrinter installation

PDFPrinter and Customer PDFPrinter are open-source software products that are distributed under the GNU General Public License.

You can install PDFPrinter from the main setup screen. If you use Appeon Server cluster, you must install PDFPrinter to all participating Appeon Servers.

You can get the Customer PDFPrinter installation program from the Customer PDFPrinter folder of the Appeon installation package. The Customer PDFPrinter is an extra printer provided for client-side PDF printing. Different from the PDFPrinter, the Customer PDFPrinter allows you to specify printing parameters. To use the Customer PDFPrinter, run the Customer PDFPrinter installation program on the client that wants to do client-side PDF printing, and set the Customer PDFPrinter as the default printer.

Note: Do not install the Customer PDFPrinter to Appeon Server for PDF printing, because the printing dialog of the Customer PDFPrinter would block the server from responding to requests from clients.

3.3 Upgrading from earlier versions of Appeon

Appeon 3.1 setup program supports upgrade from Appeon 2.8 only. If you are using Appeon 3.0, you can upgrade to Appeon 3.1 by installing the Appeon 3.0 EBF, that is, Appeon for PowerBuilder EBF 3.1.1476. The Appeon EBF program can be downloaded from the Sybase Website (<http://downloads.sybase.com/swd/summary.do>) or Appeon Website (<http://www.appeon.com/downloads/>). If you are using Appeon 2.7 or an earlier version, you must uninstall the existing version, and then install Appeon 3.1.

Appeon recommends new installation rather than upgrade installation, because with new installation you start everything cautiously from the very beginning, but with upgrading if you do not take necessary modification to the configuration settings that are lost or changed after the upgrade, the applications that previously can work well in Appeon 2.8, after redeployment using Appeon 3.1, may fail to work.

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

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 see none of the demo applications listed, although you can run the applications in Internet Explorer. If this occurs, it is normal behavior because a Web application will be listed only if you have performed the Web deployment process.

4.1.2 Appeon Developer toolbar does not respond

When you attempt to activate an Appeon Developer tool (for example, Configure) immediately after the deployment of a large application, the tool is slow to respond or does not respond. You need to wait one or several minutes for the tool to work normally.

It is normal behavior. 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 ADT.exe to end (that is, the CPU usage of the ADT.exe in Windows Task Manager returns to 0). The larger the application deployed, the longer it takes for the ADT.exe to end. The Appeon Developer toolbar tools cannot be activated until the CPU usage of the ADT.exe returns to 0.

4.1.3 Feature Analysis cannot be opened

If no application is configured in the Application Profiles tab in the Appeon Developer Configuration dialog, feature analysis window will not open when you click the Analyze button on the Appeon Developer toolbar.

4.1.4 Avoid setting application Web URL to an existing folder name in Web server Web root

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

The following are the folder names reserved by the Web server or Apeon Server that you should not use as an application Web URL: `apeon`, `classes`, `docs`, `images`, `ir`, `wst`, or `WEB-INF`.

4.1.5 Internet Explorer Refresh button

During the running of a Web application, if you click the Internet Explorer Refresh button, the Web application will restart immediately.

4.1.6 Fail to open two applications in one Internet Explorer process

An Internet Explorer process only supports one Apeon application at a time. Therefore, executing the `HyperLinkToURL` function from one Apeon application to open another will cause Internet Explorer to shut down. Workaround: Make sure the second application is opened in a new Internet Explorer process, for example, opening the new application with the script run ("`IEXPLORE.EXE http://192.0.2.189:8080/b237293/`",`Maximized!`).

4.1.7 Remote deployment failure

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

Unsupported deployment profile configuration is: a given Apeon Developer deployment profile contains a mix of both local and remote Apeon Servers, and the local server has a "localhost" listener. With this configuration, the application will successfully deploy to the local Apeon Server but not to the remote Apeon Server(s).

Workaround: Remove the "localhost" listener of the local Apeon Server or change the name of the listener.

4.1.8 Deployment performance issue

In some cases, you may find that the deployment of an application takes several times longer than you expected. For instance, the deployment of the Appeon ACF demo in PowerBuilder 9 may take three times longer than the deployment of the same demo in PowerBuilder 8. In this case, the most probable reason for this is that the application has not been fully built in PowerBuilder before being deployed with Appeon. It is recommended to perform a full build for the application, and then to deploy it using the Appeon Deployment Wizard. Deployment performance may be improved by a factor of 2x.

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

In 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 with a “Failed to send the request to Web server” error message. This error occurs when the Web server is handling deployment requests from several Appeon Developer machines. Although the Server can process several deployments simultaneously, it cannot write to a certain file for different deployments at one time.

Workaround: Wait for one or more minutes, and try the deployment again using the “Deploy Already Generated Application” mode.

4.1.10 “Stack overflow error” with Web applications deployed in debug mode

If a Web application is deployed in debug mode, a "Stack overflow error" may be displayed when you open a window in the deployed Web application that has inheritance. It does not affect the running of the application.

Solution:

- 1) If you click *OK*, the error message box will disappear and you can continue to run the application.
- 2) To avoid the error message, deploy the application in encrypted mode. In addition to resolving the “Stack overflow” error, encrypted mode ensures that your intellectual property contained in the application business logic is protected.

4.1.11 “EAServer Manager does not start” issue

The Apeon installation program adds several entries to the CLASSPATH and PATH system environment variables, which may cause the variables to be set to a lengthy value. When the CLASSPATH or PATH system environment variable is too long, EAServer Manager may not start.

Workaround: To avoid this issue, do one of the following:

- 1) Use the Control Panel to edit the user and system CLASSPATH variables and remove unnecessary entries. See the *Apeon Troubleshooting Guide* for specific instructions.
- 2) Create a batch file called user_setenv.bat in the EAServer bin directory. In this file, set the CLASSPATH explicitly to include only those classes that you require and that are not added to CLASSPATH in the EAServer batch files.

4.1.12 DataWindow issues with applications upgraded to a newer version of PowerBuilder

After an application has been upgraded to PowerBuilder 8, 9 or 10, some DataWindows or DataWindow columns may not be saved in the correct PowerBuilder 8, 9 or 10 formats. This issue seems to most often affect applications upgraded from PowerBuilder 5 or 6.

For the Apeon Xcelerator deployment option, the Apeon Developer Feature Analysis tool can catch DataWindows that are not correctly upgraded. For the Pure-JavaScript deployment option, the Feature Analysis tool cannot catch such DataWindows.

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 8, 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 8, change the DataWindow column to another name and save. Then change the column back to the original name and save again.

4.2 Issues caused by other software

4.2.1 Sybase Enterprise Portal issue

With applications deployed with Apeon Xcelerator, when you try to maximize, 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 to load it successfully. This Enterprise Portal issue is being researched by Sybase.

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

Workaround #2: Change the EP pageserver_body_ie_mixed_divIFrame.jsp file in the following way before running Apeon 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=\\\"+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><a
href=\\\"javascript: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");
```

Modify it to:

```
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='expandIcon'+theld+'\" id='expandIcon<"+theld+">'
src=\""+expandIcon_img+\"' border='0'
ALT=\"+(String)messages.get(\"ALT_MAX_WIN\")+\"></a><span
class='nbsp'>&nbsp;&nbsp;&nbsp;</span></td>\");
```

4.2.2 PowerBuilder SaveAs issues

4.2.2.1 SaveAs in PowerBuilder applications

In a PowerBuilder application, if the user saves a file (for example, a PDF file) to a different folder 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 successfully retrieved from the correct relative path and displayed in the application. For example, in the Sales Application demo, if you click the Print button and save the PDF file to your desktop, all the images in the application will disappear.

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

4.2.2.2 Readonly DataWindow cannot display >10 thousand rows of data

Appeon applies PowerBuilder SaveAs for generating readonly DataWindows. If the data for the readonly DataWindow is too large (more than 10 thousand rows), PowerBuilder SaveAs cannot save the data into WMF file, and the readonly DataWindow only displays blank page.

Workaround #1: Enable Appeon DataWindow Menu for the DataWindow. In the Web application, the user can view the DataWindow in PDF format via the Appeon DataWindow Menu Print to PDF or Print View item. Refer to the Web Enhancements and Differences section in Appeon Features Help for Appeon Xcelerator for instructions on how to enable Appeon DataWindow Menu.

Workaround #2: Reduce the number of rows in the DataWindow to avoid the problem.

4.2.2.3 Nested reports over 5 pages do not display

Nested reports longer than 5-pages cannot be viewed in the DataWindow of the Web application. This is caused by a limitation of PowerBuilder.

Workaround: Enable Apeon DataWindow Menu for the DataWindow. In the Web application, the user can view the DataWindow in PDF format via the Apeon DataWindow Menu Print to PDF or Print View item. Refer to the Web Enhancements and Differences section in Apeon Features Help for Apeon Xcelerator for instructions on how to enable Apeon DataWindow Menu.

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

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

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 with the deployment wizard.

4.2.2.5 A DropDownDataWindow column is displayed in actual value instead of the display value

If a composite DataWindow contains an editable DropDownDataWindow column, the DropDownDataWindow column may display in its actual value instead of displaying a value due to a PowerBuilder SaveAs bug (CR 367968).

Workaround: Enable Apeon DataWindow Menu for the DataWindow. In the Web application, the user can view the DataWindow in PDF format via the Apeon DataWindow Menu Print to PDF or Print View item. Refer to the Web Enhancements and Differences section in Apeon Features Help for Apeon Xcelerator for instructions on how to enable Apeon DataWindow Menu.

4.2.3 Updating char data in DataWindow fails

In PowerBuilder 10, updating char data in DataWindow will fail if the length of char string exceeds that of the corresponding field in the database table.

This is a PowerBuilder 10 issue (CR 397893).

4.2.4 ListView InsertColumn error

If you add 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 value.

This is a PowerBuilder issue and is fixed in PowerBuilder 9.0.2 Build 7638.

4.2.5 Two SetSQLSelect issues

Issue #1: If a server DataStore retrieves data that contains date field(s) and the columns of the DataStore are updatable, execution of the SetSQLSelect function for the DataStore will fail with return value -1.

Issue #2: If an updatable DataWindow retrieves date values from Oracle database, execution of the SetSQLSelect functions for the DataWindow will fail.

Workaround for both issues: Use the Modify function instead of the SetSQLSelect function.

4.2.6 Non-English characters do not display correctly

If the PowerBuilder application is based on a non-English language and uses a SQL Server database, the non-English characters may not display properly in the Apeon-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. Generally, 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 writing. This upgrade is available from the Microsoft Website for SQL Server: at <http://www.microsoft.com/downloads/details.aspx?FamilyID=9f1874b6-f8e1>.

4.2.7 Sybase iAnywhere driver issue with stored procedure

If a DataWindow uses ASA stored procedure and the stored procedure has 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).

4.2.8 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 any browser popups to occur. Software that prevents Internet browser popups can cause certain operations to become disabled in the Apeon-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.

4.2.9 EonServerInit and EonDataServer error in Jaguar.log

In the jaguar.log file, 'eonservrinit' error may appear during Jaguar startup. A little further down in the log file, the 'eondataserver' error may appear when the user attempts to retrieve data from the database.

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. Apeon 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

4.2.10 Outer join error when using Oracle database

The PowerBuilder application cannot use an Oracle database while using the Outer Join (OJ) syntax of SQL92 (specifying ANSI_Escape as the Outer Join Syntax). Otherwise, if an Outer Join is specified for a DataWindow, there will be an Outer Join error when attempting to retrieve data into the DataWindow. This is because Oracle's JDBC drivers do not support Outer Join syntax {oj outerjoin}.

Workaround: (1) Select the ANSI or PB option in the Outer Join Syntax drop-down list in the Syntax tab of the Database Profile Setup dialog box. (2) Move the syntax into 3-tier NVO, apply the Oracle native driver, and then workaround the DataWindow syntax by calling SetFullState and GetFullState functions.

4.2.11 Oracle stored procedure error ORA-24334

Typically this error is produced 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 IBM DB2 database issues

Issue #1: If a Web application is deployed against an IBM DB2 database, the DataWindows or embedded SQL in the application cannot use stored procedures as the data source.

Issue #2: The Apeon feature "DataWindow Data Cache" does not work with DB2 database.

Issue #3: The Apeon feature "Dynamic DataWindow" does not work with DB2.

4.3.2 "Failed to execute the JScript Encode" error

"Failed to execute the JScript Encode" error occurs when a Web application executes a dynamic SQL statement that is a string with colon (":") in it. For example, executing the following syntax triggers the error:

```
execute immediate "ALTER SESSION SET NLS_DATE_FORMAT
='rr/MM/DD
hh24:mi:ss'" using sqlca;
```

This is an Apeon bug and will be fixed in the next version. If you use Apeon 3.1 for PowerBuilder, work around the issue by assigning the SQL statement string to a variable and dynamically executing the variable. For example:

```
string ls_sql  
ls_sql = "ALTER SESSION SET NLS_DATE_FORMAT = 'rr/MM/DD  
hh24:mi:ss"  
execute immediate :ls_sql using sqlca;
```

4.3.3 “Library name ### is invalid” when you click UFA *Edit Source* button

Sometimes when you click the *Edit Source* button in the UFA window, an error message such as “Library name ### is invalid” displays, and you cannot continue with the source-editing operation. This error occurs if with any PBL of the application, the characters contained in its location are of the same number as that of the total of PBLs. When you count the characters of a location, you should count each "\" as two characters, and add "1" more to the final total.

Workaround: 1) Select the Tools | General menu in the UFA Report Window; 2) Disable the option "Auto start PowerBuilder and load target application"; 3) Edit the source of the unsupported features by clicking the *Edit Source* button.

4.3.4 Appeon demos fail 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.

4.3.5 Local Appeon Server profile does not work after upgrade installation

After you upgrade Appeon Developer from Appeon 2.8 to 3.1, the Local Appeon Server profile that is created in the Developer Configuration window during the installation loses the server port setting. Therefore, testing the Local Appeon Server profile or deploying an application to the profile will fail.

Workaround: Specify a working server port (for example, "9988") for the Local Appeon Server profile after the upgrade installation.

4.3.6 Deployment security setting does not work with LDAP security type

If Appeon Server applies LDAP security and the deployment security for the Appeon Server is set to ON in AEM, deployments to the Appeon Server always fail even though all settings made for the Appeon Server in Appeon Developer are correct. The reason is that the LDAP user name and password specified in the Appeon Server profile configuration cannot pass the deployment security authentication. This is an Appeon bug and will be fixed in the next version.

Workaround: If you want to apply LDAP security, make sure the deployment security for the Apeon Server is set to OFF.

4.3.7 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 returns 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.

4.3.8 SQLCA.SQLCode returns 0

In applications deployed with Apeon Xcelerator, SQLCA.SQLCode always returns 0 even if the application failed to connect to the database.

Applications deployed with Pure-JavaScript can return correct SQLCA.SQLCode as in PowerBuilder.

4.3.9 DeleteRow fails to delete rows with float data from ASA

If the application database is ASA, DeleteRow cannot be executed successfully on rows that contain float data. Workaround: Change the float column to another data type.

4.3.10 Triggering Destructor event for non-autoinstantiated NVOs

Destructor event cannot be triggered for non-autoinstantiated NVOs that are not destroyed. To make sure the Destructor event can be triggered for a non-autoinstantiated NVO, execute the Destroy statement for the NVO first.

4.3.11 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].

4.3.12 Issues with Composite DataWindows

4.3.12.1 Printing Composite DataWindows

Composite DataWindows that contain CrossTab, Graph, Label or N-Up DataWindows cannot be printed, while Composite DataWindows that do not contain any CrossTab, Graph, Label, or N-Up DataWindows can be printed on the client or on the server.

This is an Appeon bug. All Composite DataWindows will support printing in the next version.

Workaround: Enable Appeon DataWindow Menu for the DataWindow. In the Web application, the user can view the DataWindow in PDF format via the Appeon DataWindow Menu Print to PDF or Print View item. Refer to the Web Enhancements and Differences section in Appeon Features Help for Appeon Xcelerator for instructions on how to enable Appeon DataWindow Menu.

4.3.12.2 Passing arguments in Composite DataWindows

If the nesting level of a Composite DataWindow is greater than 2, arguments cannot be passed successfully between the nested DataWindows in the Composite DataWindow.

This is an Appeon bug and will be fixed in the next version.

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 characters, Korean characters, etc. Workaround: Use ASA 8.0.2 instead.

4.4.3 Korean resource file issue

In Appeon 3.1, the Korean resource files are not available at the time of writing. Although you may select Korean as the application language in the application profile, the messages will display in English.

4.4.4 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 3.1 for PowerBuilder

CR 397746: With pure-JavaScript deployment, double-byte table name and column name causes DataWindow retrieve error.

CR 380290: Deploy to IIS will fail at the third step: Web Deployment.

CR 374922: PDFPrint has error and PDF file cannot be opened.

CR 369904: Exceptions display in both EAServer Manager window and jaguar.log.

CR 369902: In Code Examples Demo, run n-Tier support function in PowerBuilder IDE will have error message.

CR 368938: In Code Examples Demo, text items of character keys should be consistent in the KeyDown function.

CR 368087: Some spelling errors exist in Appeon Features Help for Appeon Xcelerator Deployment.

CR 367846: BOL window has no title displayed in window's list.

CR 367731: Background of the button in the listbox is gray.

CR 367646: In Code Examples Demo, OpenUserObjectWithParm does not work in u_progress_bar and u_style_ancesto objects.

CR 367645: In Code Examples Demo, some Accelerator keys do not work.

CR 367640: Deployment with 10X Web File Compression makes the Web page full of garbage letters.

CR 367626: In Code Examples Demo, Crosstab DW cannot retrieve data for the first time.

CR 367410: In Sales Application Demo, Date Scope settings have no effect on three of the reports.

CR 362035: PDF DataWindow Preview does not work

CR 362034: Print View, Image View, and Save As File do not work on DataWindow Preview.

CR 361685: Application's submenu shortcut keys should be removed from browser because they do not work.

CR 361674: Version number is incorrect in Support Info window for Appeon Developer and Appeon Server.

CR 361422: Print View on Select Order Web page causes EAServer to crash.

CR 361071: Appeon Server was not installed to the path the user selected.

CR 360564: Switching to Encrypted mode changes the performance checkbox from "checked" to "unchecked".

CR 360316: Remove button can only work with a single PBL but not multiple PBLs at a time.

CR 360147: Localization test: Installation of Appeon Developer failed if locale and language is Korean.

CR 359968: Clicking the menu items from Reports | Phone List Report will cause error message.

CR 359334: IP of local Appeon Server should not only be "localhost" with Package installer.

CR 359060: PDFPrinter causes Internet Explorer to be blocked for all Web applications unless PDFPrinter is reinstalled.

CR 358770: In both PowerBuilder 8 and 9, JDBC fails to call to ASE SP, due to the wrong chained mode.

CR 358753: Code example for the Run function should not be linked in Appeon Help.

CR 358752: Code example for the Run function should not be linked in Appeon Help.

CR 358746: Clusters cannot be created in EAServer 5.0 that is installed in the silent mode.

CR 358597: Link in the Functions for PictureHyperLink page in Appeon Help cannot work properly.

- CR 358575: The number of JavaScript files in task2 is greater than that in task3.
- CR 358076: Wrong window generated for App->New->Phone List -> Select button.
- CR 358071: Every user operation will cause a "Stack Overflow at line :0" warning.
- CR 357927: An error message and the Oracle ODBC Driver Connect window pop up during full deployment.
- CR 357764: PDF print will cause browser blocked in CITGO.
- CR 357763: Clicking the Print button does not have any effect, no matter whether the printer is a PDFPrinter or another.
- CR 357758: (PowerBuilder 9) Exceptions due to ASInterface/querystate missing during PDF printing.
- CR 357757: Add how to use "Printer status" at the right corner of the browser into the user document.
- CR 357608: The "create ocx error!" error message pops up after the deployed CITGO-CSDS application is opened.
- CR 357600: An error occurs when deploying SQL Server based applications.
- CR 357585: (PowerBuilder 9 only)'Exception in thread "Thread-XX"' in Jaguar console for Appeon Sales Application Demo.
- CR 357457: NVO Call Other Component failed in the Appeon Code Example (PB 9 only).
- CR 357450: Distributed DW failed to get data (PowerBuilder 9 only) due to error opening DLL library EonConvertDataWindow.dll.
- CR 357443: The Validation rule for Salary does not work in the Validation Rules DataWindow.
- CR 357279: Unexpected character """ in UFA report of the Appeon ACF Demo.
- CR 357276: Error messages popup in the Event Viewer DataWindow of the Appeon Code Example (PowerBuilder 9 only).
- CR 357246: In the Sales Application Demo, no content is displayed in the View Product Category window for PBVM6533 (PowerBuilder 9 only).
- CR 357144: The existing content in Internet Explorer was replaced by an Appeon application that was run subsequently.

CR 357142: The Appeon ACF Demo cannot be fully built in the PowerBuilder IDE.

CR 357132: There is no use listing the Destroy function in the UFA report if the Destroy function is in the Destroy event.

CR 357011: No plug-in in Jagmgr installed by Appeon if "sybcent41" exists in sys registry.

CR 356999: Connection cache appeonsample2 cannot ping successfully after being installed.

CR 356997: The browser will exit if the user accesses other websites or launches another application with the browser.

6. Product compatibilities

The current installation program for Appeon 3.1 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 or Authorized Sybase Support Partner. If you have any questions about this product or if you need assistance during the installation process, ask the designated person to contact Sybase Technical Support or Authorized Sybase Support Partner based on your support contract. You may access the Technical Support Web site at <http://www.sybase.com/support>.

8. Other sources of information

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

The product CD contains product manuals for your software. The manuals are 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 CD root.

The Technical Library Product Manuals Web site is an HTML version of the manuals provided with the product CD that you can access 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.

To access the Technical Library Product Manuals Web site, go to Product Manuals at <http://www.sybase.com/support/manuals>.