

## Progress OpenEdge 11.7.0.0 Readme

Ports: All

Date: March, 2017

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Read these On-line Release Notes  
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It is important to read these on-line release notes. They are the exclusive release notes for this release.

The on-line release notes are on the distribution medium as one text file, readme.txt.

The readme.txt file includes a list of known issues followed by a list of the issues fixed in this release.

In addition, the distribution medium includes the following HTML report files which list the issues addressed in this release - organized by version, issue number (CR ID), or product component.

- \* PROGRESS\_OE\_<release#>\_VERSION.htm (Lists fixed issues by Version)
- \* PROGRESS\_OE\_<release#>\_ISSUE.htm (Lists fixed issues by Issue Number)
- \* PROGRESS\_OE\_<release#>\_COMPONENT.htm (Lists fixed issues by Component)

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### PRODUCT NOTES for 11.7.0.0

#### a. ADE Tools and Runtime

PSC00352357 : HTTP Client Execute() throws an input-blocking error for a pending WAIT-FOR statement  
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The HTTP Client Execute() method throws an input-blocking error when used with the OpenEdge GUI for .NET, or potentially any interactive session that has a pending WAIT-FOR statement. The standalone HTTP Client code executes without error when run in the Procedure Editor or the AppBuilder. When executed from a GUI for .NET form, the same code throws an input-blocking error (2780) on the HTTP Client's Execute() method.

PSC00350851 : PauseBetweenRetry property delays first execution of its OpenEdge HTTP client request  
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The PauseBetweenRetry property delays the first execution of its OpenEdge HTTP client request. This delay matches the value set for PauseBetweenRetry.

PSC00350767 : OpenEdge.Core.String:isQuoted() cannot handle an empty string parameter  
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In the OpenEdge 11.6.3 service pack, the OpenEdge.Core.String class includes a

new static method `IsQuoted()`.

Passing an empty string to this method fails with error "\*\*\* Starting position for SUBSTRING, OVERLAY, etc. must be 1 or greater. (82)".

PSC00354001 : URI encoding now uses RFC3986

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The URL encoding code used in `OpenEdge.Net.URI` is taken from the classic `WebSpeed encode-url` function which is based on RFC 1738 (<https://tools.ietf.org/html/rfc1738>). In RFC1738 the tilde forms part of the 'unsafe' character set which no longer appear in RFC3986.

From 11.7.0 onwards the URI Encode method uses the encoding described in section 2 of RFC3986 <https://tools.ietf.org/html/rfc3986#section-2>

PSC00350770 : `OpenEdge.Core.String:isQuoted()` cannot handle a parameter with multi-byte characters

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In Unicode sessions (`-cpinternal UTF-8`), `OpenEdge.Core.String:isQuoted()` returns `FALSE` for a parameter passed as a properly quoted string with multi-byte characters.

PSC00349581 : `GetHeader()` never returns the Unknown value (?)

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A call to an HTTP Message's (request or response) `GetHeader()` method ALWAYS returns a valid object reference, even if the message does not have the header in question. If the header does not exist, an instance of a `NullHeader` is returned, which has its `Name` set to the Unknown value (?) and its `Value` set to the Unknown value (?).

To determine if a header exists in the message, use the `HasHeader(<name>)` method.

PSC00200793 : Initial value rules for logical fields in the GUI Dictionary

---

By default, when you create a logical field through the GUI Data Dictionary, it sets the Initial Value as the first value in the Format. For example, if the Format is "male/female", the Initial value defaults to male. The exception to the first item rule is when the format is "yes/no" or "true/false". For those cases, the tool uses the OpenEdge default value for a logical field, "no" and "false", respectively.

PSC00172720 : Mandatory fields are not marked as NOT NULL during protoodbc

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When running a pro-to-odbc migration against a DB2 data source, fields marked as "mandatory" in the OpenEdge database were being created in generated SQL script and the foreign data source without the NOT NULL syntax. This leads to a situation where these fields are null capable in the foreign database.

To make DB2 consistent with the MS SQL Server and Oracle DataServers, the OpenEdge DataServer for ODBC will now set the NOT NULL constraint on SQL columns derived from mandatory fields for DB2 data sources.

PSC00155578 : Generic comment deletion code removed from triggers

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Deletion triggers have been updated to not generically remove comments, security allocation and multi-media records due to performance impact. A new ERWin trigger template db/af/erw/afercustrg.i has been provided that customers can use to re-generate their own triggers without the generic deletion code. Customers can also update their triggers with specific code to do the deletion in such a specific way that should not have any performance impact.

PSC00240314 : Migrating Progress Dynamics to Release 11.0+

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Before attempting any migration, convert the physical database to Release 11.0+, using the proutil conv1011. Progress Software Corporation recommends making a backup at this time.

Before migrating to Release 11.0+, Progress Dynamics currently using Version 2.1B must be upgraded to Version 2.1B02. The following steps are the only supported path to migrate a Version 2.1B Repository to OpenEdge 10.2B:

- Ensure the Repository is upgraded to Version 2.1B02 (db version: 020030). The migration does not work properly on earlier versions of the Repository.
- Create a new shortcut for the Dynamics Configuration Utility (DCU), based on the existing shortcut from the install.
- Modify the -icfparam parameter in the target. Change 'DCUSETUPTYPE=ProgressSetup' to 'DCUSETUPTYPE=Migrate21Setup'.
- Run the Dynamic Configuration Utility (DCU) from this shortcut to upgrade the Repository from Version 2.1B02 to Release 11.0+.

To migrate from Release 10.0B05 to Release 11.0+, follow these steps:

- Ensure the Repository is upgraded to Release 10.0B05 (db version: 100005). The migration does not work properly on earlier versions of the Repository.
- Create a new shortcut for the Dynamics Configuration Utility (DCU), based on the existing shortcut from the install.
- Modify the -icfparam parameter in the target. Change DCUSETUPTYPE=ProgressSetup to DCUSETUPTYPE=Migrate100Setup.
- Running the DCU from this shortcut upgrades the Repository from Release 10.0B05 to Release 11.0+.

To migrate from Release 10.1A02 to Release 11.0+, follow these steps:

- Ensure the Repository is upgraded to Release 10.1A02 (db version: 101002). The migration does not work properly on earlier versions of the Repository.
- Create a new shortcut for the Dynamics Configuration Utility (DCU), based on the existing shortcut from the install.
- Modify the -icfparam parameter in the target. Change DCUSETUPTYPE=ProgressSetup to DCUSETUPTYPE=Migrate101ASetup.
- Running the DCU from this shortcut upgrades the Repository from Release 10.1A02 to Release 11.0+.

To migrate from Release 10.1B03 to Release 11.0+, follow these steps:

- Ensure the Repository is upgraded to Release 10.1B03 (db version: 101101). The migration does not work properly on earlier versions of the Repository.
- Create a new shortcut for the Dynamics Configuration Utility (DCU), based on the existing shortcut from the install.
- Modify the -icfparam parameter in the target. Change DCUSETUPTYPE=ProgressSetup to DCUSETUPTYPE=Migrate101BSetup.
- Running the DCU from this shortcut upgrades the Repository from Release 10.1B03 to Release 11.0+.

To migrate from Release 10.1C to Release 11.0+, follow these steps:

- Ensure the Repository is upgraded to Release 10.1C (db version: 101201). The migration does not work properly on earlier versions of the Repository. The migration will also work for service packs 1 and 2.
- Create a new shortcut for the Dynamics Configuration Utility (DCU), based on the existing shortcut from the install.
- Modify the -icfparam parameter in the target. Change DCUSETUPTYPE=ProgressSetup to DCUSETUPTYPE=Migrate101CSetup.
- Running the DCU from this shortcut upgrades the Repository from Release 10.1C to Release 11.0+.

To migrate from Release 10.2A to Release 11.0+, follow these steps:

- There were no updates made to the Repository between 10.2A and 11.0, and so no migration is necessary.

To migrate from Release 10.2B to Release 11.0+, follow these steps:

- There were no updates made to the Repository between 10.2B and 11.0, and so no migration is necessary.

#### PSC00178641 : DCU enforces MinVersion with migrations

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If a setup XML file has migration setup types (defined by having a migration\_source\_branch session property with a non-blank value), then a check is performed to ensure that the DB version sequence matches that of the MinimumVersion in the Database node of the setup\_type. If these 2 versions don't match an error is raised and a message shown.

This message is a new message and has a code of 'MSG\_cannot\_migrate', and appears in the shipped setup101B.xml. If customers have created their own setup.xml files, they need to add this message to all the setup types contained in those XML files.

#### PSC00174297 : Dynamics translated application: performance problems on login

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Support has been added for a session property called "cached\_translations\_only" which is set via the session definition (in the XML file and/or repository). In the absence of such a property in the session, the default is YES (the historical value). If cached\_translations\_only is false, then translations are not retrieved at startup, but rather on demand when an object is translated.

## PSC00162290 : Static Object Deployment Tool - Option to generate source listing

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The Deploy Static Objects tool has the ability to produce a listing file of all the files that are packaged into a deployment produced by the tool.

The listing file is specified in the UI before the deployment starts building. If no listing file is specified, then the listing will not be produced. A default value is provided by the tool, and is for a file called 'listing.log' in the session's temporary directory.

The listing file consists of the following fields, tab-delimited:

- File name
- Relative path
- Deployment type
- Design-only flag

This functionality can be used to determine which files are required for compilation on 64-bit platforms. A Dynamics client is only supported on Windows, which is a 32-bit platform, and customers may connect to an AppServer running on a 64-bit platform; in such a case the code would need to be compiled against the 64-bit platform, and the listing file will give the ability to determine which files are required.

## PSC00140234 : Notes on using the Deploy Static Objects tool

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When deploying static objects using the Deploy Static Objects tool, please note the following:

1) You must specify the following extra directories in the Deploy Static Objects tool, in order for a standard Progress Dynamics WebClient install to work:

- adeicon
- ry/img
- adm2/image

adeicon.pl can be used instead of the adeicon directory, but you must manually copy this file into the target directory. These image directories are not required for a server install (AppServer of Web).

2) You must manually copy the adm2/dyntreew.wrx file into the target directory, for WebClient installs.

3) You must manually copy adecomm.pl into the target directory for a WebClient install.

## PSC00314904 : The adm2/dyntreeview.w SmartObject only works in 32-bit installs

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The adm2/dyntreeview SmartObject is implemented using a 32-bit OCX control. An error message about the OCX not being registered or moved will be thrown if you attempt to run or drop this SmartObject on a container in a 64-bit install.

PSC00240288 : The DynamicsVersion session property must be manually updated

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If you are working in an OpenEdge release later than 10.2B, the DynamicsVersion session property may be set to the wrong release number. This property is not automatically updated.

To workaroud this issue, modify  
\$DLC/src/dynamics/db/icf/dfd/update\_dynamics\_version\_property.p so that the value of the DYNAMICS-VERSION preprocessor is set to the relevant OpenEdge release number (11.2, for example). Compile this file and copy to \$DLC/gui, which is important because the DCU does not run against source code.

PSC00224776 : ADM2 default data management ignores orphaned/unlinked SDOs on Viewers

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A SmartDataObject (SDO) placed on a Viewer without being linked to a data source or to a field is not included in the container's first request to the AppServer and will thus not get any data. This was not the case in old releases of OpenEdge (before v10).

You can uncheck the Appserver Aware option in the Procedure Settings of the container to get the old behavior. This makes the SDOs revert to the old request behavior with one AppServer request per SDO. Note that this can add a substantial overhead to the data retrieval from the AppServer.

Alternatively, you can move the SDO to the SmartContainer and use the pass-thru link mechanisms to make it accessible to the Viewer, or override initializeObject in the Viewer and call openQuery in the SDO. This approach may require one extra AppServer request specifically for the SDO.

PSC00219897 : Dynamic SDO with join require calculated fields to be defined in table order

---

In a Dynamic SDO based on a join, calculated fields will behave incorrectly under these circumstances:

- Both tables in the join have calculated fields defined in the Repository's entity definitions.
- Both tables also have one or more of these SDO Entity calculated fields included in the SDO.
- The calculated fields from the right-hand table of the join appear before those of the left-hand table in the list of fields in the SDO.

Symptoms include incorrect formatting and incorrect initial values being provided, as well as calls to the SDO data logic procedure failing with errors relating to temp-table schema mismatches.

PSC00207823 : dynlaunch.i fails in thin client with DATETIME, DATETIME-TZ, RAW or ROWID param

---

Calling a PLIP using dynlaunch.i fails in a thin-client environment if the

procedure call includes DATETIME, DATETIME-TZ, RAW or ROWID parameters.

The client will report this error:

Mismatched number of parameters passed to routine <name>. (3234)

The AppServer agent will report these errors:

BUFFER-FIELD was not found in buffer ttSeqType. (7351)

Lead attributes in a chained-attribute expression (a:b:c) must be type HANDLE or a user-defined type and valid (not UNKNOWN). (10068)

The workaround is to implement calls with these data types to run as external procedure calls on the AppServer.

e.g. RUN xxx on gshAstraAppServer (INPUT ...)

Alternatively, you might add CASE statements for the 4 data types in obtainInitialValueField in adm2/caller.p. (This has not been tested, but is assumed to be the problem.)

PSC00195316 : \*\*Widget ID <n> not unique (<widget-name>) error for recursive Dyn TreeViews

---

The "Runtime Widget-ID Assignment" tool assigns default gap values for the imported SmartObjects.

These default values should work without problems in most cases. But, for Dynamic TreeViews with structure nodes, the default gap value of 2000 for "TreeNode" might not be large enough.

Since the nodes are created at runtime according to the database data, it is impossible to know how many tree node levels are going to be created in the Dynamic TreeView. If this happens and the default gap value of 2000 is not enough, that default value should be increased as specified in the "Application Development Environment (ADE) Addenda" Web paper in the "Widget IDs for ADM2 and Progress Dynamics" section.

PSC00194792 : Toolbar never creates a Band more than once per toolbar instance

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The toolbar creates only a single instance of each Band for a toolbar instance.

However, the Repository allows multiple instances of the same Band on a toolbar. Before Release 10.1C, the toolbar created the multiple instances of the same Band, but the second instance had no menu items. In Release 10.1C, the second instance of a Band is ignored completely.

PSC00180829 : DynLookup limit on number of joins may vary on DataServers

---

In Release 10.1C, the DynLookup supports a join with up to 18 tables instead of 10. But, this limit might not apply when using a DataServer, because there also is a limit decided by the size of the ROWIDs in the tables. The ROWIDs of the tables are added to an indexed RowIdent field and the ABL has a limit on the size of an index.

Starting with Release 10.1B, as long as -tmpbsize 4 (default) or larger is

used, temp-tables use large index keys and can store up to 1970 characters. This means that, in theory, you can store and index up to 16 ROWIDs returned from MSSQL server (  $16 * (116 + 1) - 1 = 1871$  characters for rowids + separators). The different DataServers will return ROWIDs with different lengths, so the limit will vary.

If this limit is an issue, then you can edit the af/app/afgettemp.p procedure and remove the following index definition.

```
-----  
hTT:ADD-NEW-INDEX("idxRowIdent":U,FALSE,FALSE).  
hTT:ADD-INDEX-FIELD("idxRowIdent":U,"RowIdent":U,"asc":U).  
-----
```

The index is used in certain reposition operations on the client. Removing it has an affect on performance, but this might be unnoticeable or acceptable since the operation is done on the temp-table on the client.

PSC00170305 : UndoChange action added to all tableio toolbars

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Beginning with version 10.1B all shipped toolbars and tableio bands contain a new UndoChange action. This action replaces the old Reset action as the default in these toolbars.

This constitutes a behavior change (label and accelerator) for existing applications that use the shipped toolbars or bands, since the caption is changed to "Undo" instead of "Reset" and the accelerator is changed to "CTRL-Z" from "ALT-R".

The new UndoChange action defines some of the translatable text needed for the context sensitive text in the admmsgs.i include, message number 97.

Customers that use the shipped toolbars or bands and want to remove the new action and get the old one back need to customize the class or toolbar. Customers that already have specific toolbars might need changes either to be able to use the new action or to remove it.

To remove (hide) the new UndoChange action and get Reset back in shipped toolbar or band:

```
-----  
The Reset action is already present in the toolbar, so in order to make the Reset into default, the UndoChange needs to be added to the comma-separated HiddenActions property.
```

Existing customer toolbars

```
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```

Existing customer toolbars may or may not get the new UndoChange action. If the toolbar or menu is defined with the "Tableio" category or one of the tableio bands, then the action is added automatically. But, many toolbars add tableio actions specifically in initAction() or initMenu() overrides in order to control the order and add rules. The "UndoChange" will need to be added to these.

customized initAction  
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Since the `getTableioUndoNew` may need to load the actions if it is called from a visual object before the toolbar is initialized, the toolbar `initAction` has been changed to `setIsActionsLoaded(true)`. Overrides of `initAction` that do not call `super` must add the same call, using dynamic-function or the `{set~ include}`.

PSC00167044 : The Export to Excel functionality removes leading zeros from character strings  
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The Export to Excel functionality removes leading zeros from character strings.

PSC00162037 : `IndexInformation` property only contains information for primary table(s)  
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The `IndexInformation` property has been changed to only contain index information for the table(s) that are uniquely represented in one row in the SDO query. The default table(s) are the `EnabledTables` or the first table for read-only SDOs.

The `getIndexInfoTables` function determines which tables' info is added to the property. This is not implemented as a property, but can be overridden if different behavior is needed. If you want the old behavior all data objects, then add a custom version that returns the value from `getTables` (all tables in the query).

PSC00161048 : Changes to how decimal values are managed in dynamic combos  
=====

There were several problems in previous releases developing decimal dynamic combos with default flag values that contain a numeric decimal point and deploying with different numeric formats.

Default flag values were always stored in the format used during development. This prevented deployment to numeric formats other than the one used for development. Either errors displayed and no data displayed in the combo or incorrect data was stored in the repository for the `<None>` or `<All>` option.

With 2.1B01, 10.0B03 and 10.1A this has changed to store default flag values with American numeric format. They should be entered in the `SmartDataField` maintenance tool using the session's format but the tool will replace the numeric decimal point with a period in the stored value. At runtime, any stored periods in the data are replaced with the current session's numeric decimal point.

A fix program runs as part of the DCU Upgrade to convert existing default flag values for decimal dynamic combos to American format. The DCU must run in the format that was used to develop dynamic combos.

The fix program writes a message to the log file for each default flag value it attempts to convert. It writes a message when a value is converted successfully or writes a message if the conversion fails. Review the DCU log

file after the upgrade and manually correct any failures. Any failures that are not corrected may not behave properly at runtime as the runtime has changed to attempt to convert stored American formats to the format of the running session.

There are several Dynamics objects in the repository that store blank default flag value instance attributes and give messages in the log file. These are for the cbSCMTool dynamic combo on the following viewer objects:

gsmsxgenviewv  
gsmsxotviewv  
gsmsxpmviewv

The messages for these objects are expected and you can ignore them.

Any dynamic combo instance attributes stored in static viewer code in your application must be converted manually to American numeric format.

PSC00159054 : assignNewValue w/ invalid values behaves different in new lookup API

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The old and new lookup APIs behave differently when passing invalid value parameters to assignNewValue if the lookup key field is different from the lookup displayed field.

With the old API (pre-2.1B/10.0B02 behavior and 2.1B/10.0B02 behavior with keep\_old\_api set to TRUE), passing an invalid key field value or an invalid displayed field value to assignNewValue displays blank in the lookup field when assignNewValue is invoked. If changes to the record are saved, blank is stored in the record's key field.

With the new API (2.1B/10.0B02 default behavior), passing an invalid key field parameter displays blank in the lookup field when assignNewValue is invoked. If changes to the record are saved, the previous value displays in the lookup field and the value is not changed in the record's key field. Passing an invalid displayed field parameter displays the invalid value in the lookup field when assignNewValue is invoked. If changes to the record are saved, the previous value displays in the lookup

PSC00158854 : Widgets on static SmartDataBrowser are not enabled on dynamic containers

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When a static SmartDataBrowser contains other objects on its frame, those objects are not enabled when the static SmartDataBrowser is run on a dynamic container. When that static SmartDataBrowser is run on a static container, those objects are enabled.

PSC00158601 : BaseQuery must have NO-LOCK after WHERE

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A child SDO loses parent filter criteria if its BaseQuery has the NO-LOCK option before the WHERE criteria.

When two SmartDataObjects are linked in a parent/child relationship, with or without a SmartBusinessObject, the child SDO might lose its filtering by the parent SDO. In previous versions, this happened if the child SDO was generated by the Object Generator with Follow joins turned on. This generated a BaseQuery with NO-LOCKS before the join criteria and caused the ADM to add the foreignfield criteria to the query incorrectly.

As a workaround, opening and saving the SDO in the AppBuilder alters the BaseQuery to put the NO-LOCKS after the join criteria as expected by the ADM.

PSC00158372 : DynCombo support for a DataObject as data source does not include static SDO

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The option to define an SDO DataSource for a DynCombo is not supported for static SDOs.

PSC00158340 : Sharing data object, browse and viewer out of sync showing data

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The support for SharedData does not actively refresh viewers or browse viewports when data is changed by another DataObject. To refresh a browse, you must currently scroll the record out of the viewport. To refresh a viewer, you must currently navigate to another record and back. Note that a viewer on a hidden page does not refresh itself if it is on the same record as when it was hidden. So, in this case, it does not help to navigate to another record and back in the browser.

PSC00157892 : SDO Cache does not include Auditing & Comments tick-information

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The data caching and data sharing support does not always cache auditing and comment information. This information is retrieved only for certain instances and would only be cached if the actual object that did the initial server retrieval was set up to include this information. Data objects that retrieve their data from the cache may thus be unable to show the correct tick-mark in the toolbar if the initial server request did not include this information.

PSC00157071 : stripLookupfields is not used in the new lookup API

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In previous versions, the stripLookupFields procedure was called on each display to figure out if the SmartDataFields could be resolved by the viewer's DataSource. The new lookup API does not use this procedure.

PSC00156968 : Setting of BaseQuery in initializeObject requires synchronization of QueryWhere

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If any other query manipulation has been done before changes to the BaseQuery are made, you need to synchronize QueryWhere and possibly the QueryString. If the BaseQuery is set in an initializeObject override before SUPER, you might also need to synchronize QueryWhere in an SDO without any custom query

manipulation. The only cases where BaseQuery can be set without synchronizing the QueryWhere are on the client (AsDivision = 'client') and in dynamic SDOs on the server (AsDivision = 'server'). Static SDOs calls setOpenQuery, which calls setQueryWhere, from the main block (query.i) when connected to the database. Dynamic objects that are connected to the database will call prepareQuery from createObjects.

#### Background:

The BaseQuery is the design-time, fixed part of the query. It is part of the object definition. The design philosophy is that runtime query manipulation can be done without violating the integrity of this part of the expression. Consequently, the BaseQuery should not be changed after any query manipulation has been done.

However, it is quite common for applications to need to set this when an SDO instance is launched. (For example, to filter data on department or company key based on the userid.)

Various examples and documentation have shown and stated that this can be done in an initializeObject override before the call to SUPER. In particular, older documentation examples showed this being done with setOpenQuery, which also synchronizes the physical query by calling QueryWhere. This was a problem on a client since setQueryWhere used to always prepare the physical query. setQueryWhere has since become more lightweight, but setOpenQuery still calls the server and should still be avoided in an AppServer session.

PSC00156174 : Translation tool does not include SmartDataBrowser search field

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The optional search field of a SmartDataBrowser doesn't show up in the translation window to allow you to add a translation.

PSC00156171 : The SmartDataBrowser sort profile is not used with SBO data-sources

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The sort profile saved for a SmartDataBrowser with a SmartBusinessObject as its data-source is not used upon restart.

PSC00155989 : Changes in how Dynamics Window dimension profiles store WINDOW-MAXIMIZED

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Progress Dynamics windows now store the WINDOW-MAXIMIZED state together with the previously stored dimensions in the user profile. The state is stored as a 5th entry in the profile value. In previous versions, this state just overwrote the old profile. If you close a maximized window and no dimensions have been saved previously, the window still stores "WINDOW-MAXIMIZED" as the only entry.

With the new behavior, a window can store the WINDOW-MAXIMIZED state without losing the stored dimensions for the previously saved WINDOW-NORMAL state. The next time you launch the window, it displays maximized. But, when the WINDOW-NORMAL state is applied, the window resumes its previously stored size.

PSC00154960 : Dynamic Lookup maintenance window does not destroy its maintenance SDO

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The Dynamic Lookup maintenance window does not destroy its SDO and associated Data Logic Procedure

Whenever you open the maintenance window of the dynamic lookup from the dynamic lookup browse, the system launches a new instance of the maintenance window's SDO and its associated DLP. However, these objects are not destroyed upon closing the maintenance window.

PSC00154765 : Error messages for child SDO not returned when CLOB involved

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A detailed error message may not be returned to the client while adding a record to a SmartDataObject under the following circumstances:

- the SDO is running on AppServer
- the SDO contains large object fields
- AutoCommit is false (commit is used to commit multiple updates at once)

The client does receive an "update cancelled" message but should have a detailed error. The detailed error is written to the AppServer log file.

This situation is more likely to occur with an SDO that is part of a SmartBusinessObject.

PSC00154671 : SmartFrame objects stored with .w in object name may need two translations

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For SmartFrames or SmartWindows that are launched from a static container, the object name for Title and Page Label translations is resolved from the procedure:FILE-NAME without path and extension. Therefore, SmartFrame objects that have the .w extension in their Repository object names might need two translations, one without the extension for usage in static containers and one with the extension for dynamic containers.

PSC00151672 : CallerProcedure, CallerObject, and CallerWindow are not set in createObjects

---

The Session Manager's launch in Progress Dynamics sets properties like CallerProcedure, CallerObject, and CallerWindow in the launched container. These properties are set before the container is initialized and can thus be used in an initializeObject override. However, they are not intended for use during the construction (the execution of the main block) of the container. The createObjects call is typically done as part of the construction. However, in previous releases, static non-window containers, like SmartFames and SmartDataViewers, did call createObjects from initializeObject allowing these properties to be used also in createObjects. Now, createObjects is called during the construction of almost all containers. If a createObject override uses these properties, it is unlikely to work. Any logic referring to these properties in createObjects should be moved to an

initializeObject override instead. Moving this logic to initializeObject should not cause any change in behaviour.

PSC00150794 : Read only SDO tables can be specified to remain NO-LOCKed during transaction

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The NoLockReadOnlyTables property can hold a comma-separated list of read-only (non-updatable) tables that should remain NO-LOCKed during the transaction. A value of 'ALL' means that all read-only tables should remain NO-LOCKed. Note that read-only tables defined by this property also are excluded from the optimistic lock check of changes.

PSC00144084 : Error 4054 (.. does not fit..) if ToolbarDrawDirection is "vertical"

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The Dynamics layout manager does not handle toolbars where the ToolbarDrawDirection is set to 'vertical'.

PSC00140279 : Static browsers/browsers in static windows don't get Repository column labels

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Browsers running in static windows linked to a static SDO on an AppServer will not get the column-label from the Repository's EntityField. Instead, the browser gets the column-label from the database schema. This problem also applies to any static browser.

PSC00140138 : A single toolbar cannot switch navigation between SDOs and SBOs

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In a paged container where a SDO is the Data-source of a SBO, you cannot use a single toolbar to navigate both the SDO and the SBO.

PSC00140135 : Loss of data when changing page while browse is in add

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When adding a new record in a browser that is part of a tabbed user interface, the entered data can be lost or appended to the next record in the browser under the following conditions:

- The browser is the update source for an SDO.
- The user did not enter all of the required fields in the browser row.
- The user selects a different page before saving the new record.

PSC00133069 : ADM2 does not support the READ-ONLY attribute on browse columns

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The ADM2 does not support setting the READ-ONLY attribute directly on browse columns as a way to disable fields.

Field enabling is controlled by the EnabledFields property, that is, you make columns read-only by removing them from the enabled fields list.

This is not considered to be a bug. Dynamic browser columns are all read-only at start up, so it would be very difficult to implement a solution to detect if the READ-ONLY attribute has been set in initializeObject.

PSC00130471 : New records can be duplicated when reading new batch if added while batching

---

If new records are created that sort higher than the last record in the current batch, the new record is duplicated when a batch includes the new record.

To prevent this, either ensure that the user is at the last batch when adding the new records that will get key values that sort higher than the currently last record or avoid batching when such records can be created.

PSC00130387 : RowObjUpd.ChangedFields is obsolete

---

Prior to Version 10.0A, the RowObjUpd.ChangedFields field was used to figure out which fields to save in an SDO. This is now obsolete and no longer used. The SDO now figures out which fields to save to the database tables based on a comparison of the before-image and the changed record. The ChangedFields field is not used in any logic, except for a call to bufferCollectChanges, which updates this field. Since it does not capture all changes, this update is not reliable and the method will be deprecated in the future.

PSC00129126 : Avoid changing Foreign Keys in Web Objects with joined queries

---

When you use the Detail Wizard to create a Web object that contains a join, do not make the foreign key field updateable. If you change the value of the foreign key in a record, the next stateless request might not be able to find that record.

When this happens, you get an error that the query could not reposition to that record.

If your application needs the ability to update the value of the foreign key in a joined query, you must make sure that the list of ROWIDs in the "CurrentRowids" attribute contains ROWIDs of the newly joined table, instead of the originally-joined table.

PSC00128303 : Static data objects do not get initial value from Repository

---

Static SDO proxies (<sdo>\_cl) do not get the INITIAL-VALUE from the Repository's EntityField DefaultValue at run time. The temp-table's INITIAL-VALUE attribute is a read-only attribute that is compiled into the SDO temp-table definition from the SDO include.

PSC00124754 : Print Preview and Export to Excel do not work when the data source is an SBO

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Print Preview and Export to Excel options available on various browse toolbars are not supported for visual objects whose data sources are SmartBusinessObjects. These options will do nothing when chosen.

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PSC00121785 : Record level transaction hooks must be implemented in the Data Logic Procedure

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You must implement a static SmartDataObject's record level transaction hooks (create\*, write\*, and delete\*) in the Data Logic Procedure. They will only fire from the SDO if the SDO does not have a Data Logic Procedure.

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PSC00156243 : Help cannot be mapped to static container run from the AppBuilder

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It is not possible to map help for a static container that has been run from the AppBuilder. The container must be run from the Dynamic Launcher to map help for it.

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PSC00173682 : Progress Dynamics can't find the help file during AppServer sessions

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When the help file is set in the "security control" window, Progress Dynamics can't find the help file using the help-menu-item in an AppServer session.

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PSC00171808 : Translated labels and widgets on same row but different column

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When translating static viewers where KeepChildPositions=Yes, translated labels now use the existing label's width only. Also when translating static viewers, the label's font, rather than the widget's font, is used to determine the width of the label.

The translation of simple (LIST-ITEMS) combo-box labels is now supported for dynamic viewers.

When translating dynamic viewers with KeepChildPositions=Yes, the label moves to the bottom (back) so that it doesn't overlay any widgets to its left. The label is not truncated, unless it is longer than the space available.

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PSC00168877 : The DataView does not support Dynamics Comments and Auditing

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There is no default support for Comments and Auditing when DataViews and ProDataSets are used.

The following error is returned when attempting to save a comment for a DataView:

`BUFFER-FIELD RowUserProp was not found in buffer <dataset-buffer-name>.(7351)`

The Server Interface implementation could define a RowUserPropfield in the

entity temp-table to store the information needed to trigger Auto Comment and show tick marks in the Dynamics toolbar's Auditing and Comment actions, similar to how the SDO handles it. Using this field might make it easier to use existing Repository Manager APIs and reuse existing SDO code. Note that the Auditing and Comment information is stored with delimiters in the field. This makes it difficult to use outside of the ADM and difficult to populate. The population have to be done for each record and will likely affect performance.

PSC00155275 : Info for all users sent to client

---

When a user attempts to login in a client-AppServer configuration, the entire list of users is sent from the AppServer back to the client. This may be an expensive operation when there is a large number of users in the repository. To reduce this overhead, adding the session property "abbreviatedUserTable" to all client and AppServer session types and setting its value to "YES" will result in only the user that is logging in having his data shipped across from the AppServer, thereby reducing the traffic.

PSC00153575 : Static SmartDataFields (e.g. SmartSelect) cannot be translated.

---

SmartSelect objects are not presented for translation in the Translation window at runtime.

The work around is to enter translations of SmartSelects in the Translation Control tool. The same naming convention as for Lookups is used. You must specify the Widget Type as 'FILL-IN' and the Widget Name as 'fiLookup' in all cases. You must enter the Object Name as <viewer-name>:<field-name>.

If the static SmartDataViewer containing the SmartSelect is used in a static container, you must enter the file name of the viewer, including the extension (.w), in the Object Name. If the viewer is used in a dynamic container, you must enter the object name of the viewer, without any extension.

This is an example based on a viewer for the Warehouse table using a SmartSelect for the 'State' field. The file name of the viewer is 'warehousesdv.w'.

Translation for use in a static container:

Object Name: warehousesdv.w:state  
Widget Type: Fill In  
Widget Name: fiLookup

Translation for use in a dynamic container:

Object Name: warehousesdv:state  
Widget Type: Fill In  
Widget Name: fiLookup

PSC00201988 : Error: The Root node code must be specified. (AF:1) when creating Dyn TreeViews

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When entering data in the "Dynamic TreeView Builder" tool, you must enter the "Object filename" value first. If you do not enter the Object filename first, you see the "Root node code must be specified. (AF:1)" error upon saving the data.

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PSC00200646 : Error 7452 in Dynamics Dataset Export Filter

Customers using European numeric settings might see the 7452 error when pressing the filter button on the Dataset Export screen.

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PSC00155024 : Cascading security allocations does not work for Data Security

The option to cascade security allocations from a profile user does not work for Data security.

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PSC00151136 : RTB: Problems when dyn object and super proc in different module

When modifying a dynamic object where the dynamic object and its super procedure were created in different product modules, the following error may occur:

The product module <product-module1> and the product module <product-module2> must be the same. (AF:110)

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PSC00146842 : Error 560 Generating Objects From SDO

Error 560 (Entry outside the range of list) is raised when the Object Generator is used to create dynamic objects from a prebuilt SDO when the SDO has been created by the Object Generator, and has subsequently had other tables manually added, and the product module has sublevels in the path.

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PSC00146243 : Client cache viewer tool returns errors

The client cache viewer tool no longer works when run against a current version of the Repository API.

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PSC00143666 : Copy-Paste in DynView is not keeping all the attributes of the widgets

When copying widgets from a DynView to another DynView, some widget attribute values are missed. For example, when a fill-in is copied, the values of the ShowPopup and Label attributes are missed in the target DynView. This happens for all attributes that are read from the Repository.

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PSC00140156 : DataFields cut/copied then pasted are associated with RowObject

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There is an issue when you cut or copy DataFields from one dynamic viewer and then paste them to another dynamic viewer built from the same SDO. Until you save and reopen the second viewer, the AppBuilder shows the new fields as being associated with the RowObject table instead of their actual database table.

PSC00131772 : Toolbar object modifications are not updated in the Toolbar

---

011A90108

Toolbar data are cached on the client as soon as they have been read once from the server, so when actions, bands and/or toolbars are changed in the Toolbar and menu designer these changes will not always be reflected in new instances of toolbars.

Running the Dynamic Launcher and checking the 'Destroy ADM super-procedures' option will ensure that toolbar data are refreshed. The other option is to restart the session.

PSC00128502 : Fields hidden on DynView master layout in design mode if custom layout exists

---

If a field on a master layout has its HIDDEN attribute set to TRUE, the viewer typically displays the field in design mode. However, if a customized layout is made for the viewer, the viewer does not display the hidden field when the viewer reopens. This is inconsistent with the normal behavior for displaying hidden fields in master layouts. If you need to modify a hidden field in this situation, use the ROM tool. Do not modify the hidden field by using the 'List Objects' button to bring up the property sheet. Doing so removes the field instance.

PSC00125407 : scm\_checks\_on in Security Control is not supported

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In Security Control, there is a toggle that switches on and off checks for the use of an SCM tool. The use of this setting is not yet implemented in all the places where it is relevant to check for this setting. SCM functionality is always enabled when the SCM tool (Roundtable) is in use with Progress Dynamics.

PSC00247292 : Creating a .zip file on removable media from Visual Translator causes errors

---

Creating .zip file on removable media from Visual Translator causes the following errors:

Error occurred while accessing component property/method: MultiVolumeControl. Out of present range.

Error code: 0x8002000a Zip adetran/common/\_zipmgr.w (5890) Zip: Couldn't open to write. (15).

Note: Creating a .zip file on non-removable storage functions properly.

PSC00150235 : Changing the TranMan Language combo may cause error (132)

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Changing the selected language on the TranMan Data Tab combo does not display the correct translations after using the 'View', 'Sort' option from the pull down Menu.

Double clicking on some rows might give the following error:  
\*\* This Translation already exists with Sequence number <number> Instance Number <number> Language Name "<language>". (132)

PSC00181371 : Two undo/reset buttons on the Standardtoolbar

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The new UndoChange toolbar action is not supported in Dynamics Web.

By default, UndoChange replaces the Reset action in shipped toolbars and Tableio bands. When these toolbars and bands are realized in the Web, the Reset button and menu item remain and function correctly. However, the UndoChange action may also be realized at runtime as a non-functioning button and menu item, labeled "Undo 1 (CTRL-Z)".

In order to suppress the UndoChange button and menu item, the UndoChange action can be set to Hidden, or added to the HiddenActions property, for the toolbar. For additional information, please see the note for the new UndoChange action under GUIRENDR / SmartToolbar in this document.

PSC00144996 : The compileAll option in WebTools has a limitation of URL length of 4096 chars

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The compileAll option on AppManager in WebTools has a limitation of URL length being more than 4096 chars, depending of what web browser is being used. Try to limit the size of the compiles, number of files if you run into this problem.

PSC00139229 : HTML after WSTag not sent if WSTag runs another WebSpeed object

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If a SpeedScript file contains a WSTag tag that runs another WebSpeed object, the remaining HTML after the WSTag tag is not sent to the Web browser.

PSC00130586 : WebSpeed detail program called from a WebSpeed report program hangs

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A WebSpeed detail program called from a WebSpeed report program might hang when the Add button is used a second time or the Delete button is used. If the detail program is used separately from the report program, the problem does not occur.

b. Adapter for SonicESB

PSC00240333 : Connection string limitation for session-managed native ESB Adapter

---

The combined length of the connection string (composed of a user-id, password, and information fields) must not exceed 30,000 non-Unicode characters when connecting to an AppServer. Exceeding the string length causes an AppServer exception.

PSC00220618 : Agents remain locked when ESB Adapter returns a Fault in Sonic Workbench

---

When using the OpenEdge Adapter for Sonic ESB with a session-free AppServer and persistent procedures, it is important that you release the persistent procedure when your ESB process completes, to prevent having a locked agent.

When the adapter returns a fault, you must ensure the Release operation is done in your Fault process. This requires you to keep track of your process ID and have access to it in your Fault process.

In the Progress Developer Studio for OpenEdge/Sonic Workbench development environment, Sonic intercepts all fault returns so that it can display the result. Consequently, Fault processes are never run. Setting the Command Parameter ESB Fault Return Mode to "Continue Process with Fault" discards the original message where your Procedure ID is stored, so this is not a viable solution.

To free up locked agents on the AppServer, you must restart your development container.

Using Persistent Procedures within Sonic ESB processes is discouraged because it greatly complicates the handling of Faults and makes your session-free AppServer operate no differently than a session-managed AppServer.

c. AppServer

PSC00346397 : PKCS8 server certificate generated using the pkiutil utility not supported

---

If you generate PKCS8 server certificate using the pkiutil utility, you cannot start the AppServer. The version of RSA SSL library used in AppServer broker does not support PKCS8 server certificate format for SSL or TLS communication. The only supported server certificate format is PKCS5.

PSC00229780 : Startup time of AppServer broker increases when SSL is enabled (Linux and UNIX)

---

After upgrading to OpenEdge Appserver V11, the AppServer broker's startup time might increase if SSL is enabled. This happens if /dev/random is not populated with random data. The SSL libraries used by the AppServer broker require

several kilobytes of random data to properly secure SSL connections to the broker.

To resolve the issue, ensure that /dev/random is populated with enough random data. There are two possible solutions:

- Move /dev/random to /dev/random\_bak, and then add a simlink from /dev/random to /dev/urandom. This makes /dev/random reference /dev/urandom. Note that /dev/urandom is less secure.
- Install and run rngd, the random number generator daemon. It increases the entropy pool used /dev/random to provide random data.

PSC00244975 : Support for Actional is removed

---

Support for Progress Actional (including all Actional interceptors for OpenEdge), which was first introduced in OpenEdge 10.2B, is removed from OpenEdge Release 11.1.

#### d. DATASERVER

PSC00242574 : Always run r-code against the schema image of the original database

---

Prior to OpenEdge 11.3, any change to the record structure or to compile-dependent characteristics of a column would create a schema mismatch between compiled r-code and the schema holder database representing a foreign schema.

Starting in OpenEdge 11.3, the Oracle and MS SQL Server DataServers introduce "position-independent r-code" which is r-code whose schema references are "independent" of the physical positioning of a column in the foreign data source. In OpenEdge 11.3, position-independent r-code means that column positions on the server table can be rearranged with only the need to perform a schema pull but not the need to recompile ABL code. In OpenEdge 11.3, introducing a new column or deleting an existing column from an existing record structure still requires the r-code to be recompiled against the new schema layout.

With "position-independent r-code, the r-code is dependent only on a logical identification of the column, and not the physical position of the column. The logical identification of a column takes place in the OpenEdge database before migrating to a foreign data source and that logical identification never changes once the column is defined in the OpenEdge table. Therefore, if the columns on the server are simply rearranged, the code need not be recompiled. But, changes to the foreign schema do need to be pulled back into the schema image to ensure that the new physical position of a column is re-matched against the proper logical identifiers known to the r-code. To avoid run-time data corruption, never run r-code or load data (.d file) while connected through a schema image that does not reflect the actual schema on the server.

Starting in OpenEdge 11.4, the Oracle and MS SQL Server DataServers can also accept certain changes to column attributes that would have previously caused a schema mismatch. The only schema attributes that cannot change are the data type, the number of extents in an extent column and the column name. Now, like the online schema capability of the OpenEdge database, these are the only attributes that require a recompile. Again however, any changes to the server schema still must be pulled back into the schema image to ensure the proper attributes are known to the run-time code.

Starting in OpenEdge 11.4, the Oracle MS SQL Server DataServers can also allow new columns to be added to a server record's column layout that would have previously caused a schema mismatch. While adding a new field will no longer require a recompile, it is still important to always perform a schema pull so that the schema image accurately reflects the schema structure on the server. If the added server column is not reflected in the schema image, then future references to that field in DataServer applications will not recognize the field reference on any subsequent re-compiles.

#### PSC00215517 : Techniques to load .d file when table has non-updatable column on MSSQLServer

---

In MSS DataServers, there is a restriction to a load operation from a .d file when the table has non-updatable columns (i.e. columns on MS SQL server are of type 'identity' or 'timestamp' or 'rowguid').

You can work-around this restriction by following one of the two options described below.

##### Option 1:-

Use dump/load tools of the foreign data source instead of data from a .d file to load your foreign table.

Note: This is the only way to retain the original values from non-updatable columns.

##### Option 2:-

If the user wants newly generated values for non-updatable columns stored alongside updatable fields from the given '.d' file, write an ABL program to read data from the .d file into a temp table and then skip non-updatable fields while writing the temp table records to the foreign table.

Sample ABL code provided below to perform this task.

Consider a table named "test" on SQL Server side with the structure as,

```
TABLE [test](  
[fld1] [int] IDENTITY(1,1) NOT NULL,  
[fld2] [varchar](50) NULL,  
[fld3] [varchar](50) NULL  
)
```

\*\*\*\*\* sample ABL code \*\*\*\*\*

```
/* define temp table with the name Temptbl for table test */
```

define temp-table Temptbl like test.

```
/* pouplate temp-table Temptbl from the records in the .d file name test.d */
INPUT FROM test.d.
REPEAT:
CREATE Temptbl.
IMPORT Temptbl.
/* create a record in the foreign DB */
CREATE test.
BUFFER-COPY Temptbl EXCEPT fld1 TO test.
END.
INPUT CLOSE.
```

\*\*\*\*\*

PSC00351967 : ABL Query with datetime filter returns no data with MSSQL Server 2016

---

ABL queries with datetime filter criteria in the WHERE clause do not return the record with MSSQL Server 2016.

Example: For ABL "FIND customer WHERE start-date = 2004-11-02T19:44:25.007.", where start-date datatype is DATETIME in the schema holder, MSS DataServer generates a SQL query "SELECT cust\_num, start\_date FROM us.us.customer WHERE ((start\_date = ? )) ORDER BY start\_date DESC, cust\_num"; This generated SQL fails to fetch the record when run against MSSQL Server 2016. This issue has been found while certification of SQL Server 2016 with MSS DataServer and can be reproduced outside of DataServer environment.

PSC00246724 : R-code compiled in OpenEdge 11 before and after this fix must be recompiled

---

32-bit and 64-bit datasever r-code compiled in OpenEdge 11.2.0 is incompatible with OE 11 releases before and after it due to a change of data stored in r-code. Corrections are required for all r-code compiled against the DataServer for MS SQL Server in releases other than 11.2.0. Release 11.2.0 r-code is only compatible with its own run-time. Moving Release 11.2.0 MSS DataServer r-code to later releases (11.2.1+ or 11.3+) requires a recompile even if you recompiled once already in moving to 11.2.0.

PSC00246559 : Recompile r-code in 11.2.1/11.3.0 from OpenEdge 11.2 or previous V11 versions

---

32-bit and 64-bit platform r-code compiled on OpenEdge 11.2 (or previous versions) must be recompiled at least once before being executed on OpenEdge 11.2.1 or later versions. Corrections were required for all r-code compiled against the DataServer for MS SQL Server due to 64-bit alignment issues associated with stored r-code that affect run-time capabilities on both 32 and 64 bit platforms.

PSC00242586 : Always run r-code against the schema image of the original

database

---

Prior to OpenEdge 11.3, any change to the record structure or to compile-dependent characteristics of a column would create a schema mismatch between compiled r-code and the schema holder database representing a foreign schema.

Starting in OpenEdge 11.3, the Oracle and MS SQL Server DataServers introduce "position-independent r-code" which is r-code whose schema references are "independent" of the physical positioning of a column in the foreign data source. In OpenEdge 11.3, position-independent r-code means that column positions on the server table can be rearranged with only the need to perform a schema pull but not the need to recompile ABL code. In OpenEdge 11.3, introducing a new column or deleting an existing column from an existing record structure still requires the r-code to be recompiled against the new schema layout.

With "position-independent r-code, the r-code is dependent only on a logical identification of the column, and not the physical position of the column. The logical identification of a column takes place in the OpenEdge database before migrating to a foreign data source and that logical identification never changes once the column is defined in the OpenEdge table. Therefore, if the columns on the server are simply rearranged, the code need not be recompiled. But, changes to the foreign schema do need to be pulled back into the schema image to ensure that the new physical position of a column is re-matched against the proper logical identifiers known to the r-code. To avoid run-time data corruption, never run r-code or load data (.d file) while connected through a schema image that does not reflect the actual schema on the server.

Starting in OpenEdge 11.4, the Oracle and MS SQL Server DataServers can also accept certain changes to column attributes that would have previously caused a schema mismatch. The only schema attributes that cannot change are the data type, the number of extents in an extent column and the column name. Now, like the online schema capability of the OpenEdge database, these are the only attributes that require a recompile. Again however, any changes to the server schema still must be pulled back into the schema image to ensure the proper attributes are known to the run-time code.

Starting in OpenEdge 11.4, the Oracle MS SQL Server DataServers can also allow new columns to be added to a server record's column layout that would have previously caused a schema mismatch. While adding a new field will no longer require a recompile, it is still important to always perform a schema pull so that the schema image accurately reflects the schema structure on the server. If the added server column is not reflected in the schema image, then future references to that field in DataServer applications will not recognize the field reference on any subsequent re-compiles.

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PSC00223191 : ZPRGRS\_RECID\_BUF\_SIZE Option minimum value changed from 44 to 52

---

The ZPRGRS\_RECID\_BUF\_SIZE option allows the RECID buffer size to be configured to a customized size for the DataServer session. This is a legacy option occasionally used by ODBC DataServer customers and MS SQL Server DataServer customers up until OpenEdge 11.6 where it essentially becomes obsolete. Prior

to 11.6, the option allowed for an expansion of the ROWID format size for customers who chose their ROWID values from large natural keys. It was also used occasionally by customers who used PROGRESS\_RECID surrogate key to represent ROWID throughout their database structure. In that case, the ROWID buffer size could be minimized to 52 after 10.2B01 and 44 prior to 10.2B01.

The minimum RECID buffer size was changed to 52 (from 44) beginning OpenEdge 10.2B01 release up until the OpenEdge 11.5.1 release. In OpenEdge 11.6 release, the minimum value of RECID buffer size has been modified from 52 to 15 as part of the RECID area restructuring that introduced a new ROWID format (PRGRS\_ROWID\_VER,1). While ZPRGRS\_RECID\_BUF\_SIZE was originally made available to expand the default ROWID format size to something that would fit the largest natural key you had in your database (if that key was greater than the ZPRGRS\_RECID\_BUF\_SIZE default). But it can also be used to keep RECID buffer size as small as possible in the record buffer (assuming you are using small keys like the PROGRESS\_RECID index that can be generated by a DataServer migration. The minimum limit of 52 (which is the size of the PROGRESS\_RECID surrogate key format) would still hold true in OpenEdge 11.6 and greater if you were to revert back to the old ROWID format using the -Dsrv PRGRS\_ROWID\_VER,0 connection switch. NOTE: The "old" (PRGRS\_ROWID\_VER,0) ROWID format is the format of the ROWID before version 11.6.

**NOTE: DO NOT INCREASE THIS VALUE IF THERE IS NO REQUIREMENT FOR IT. INCREASED BUFFER SIZES CAN HAVE A NEGATIVE EFFECT ON NETWORK PERFORMANCE RUNNING DATASERVER'S CLIENT/SERVER.**

This syntax is for setting the buffer size for the RECID area,

`-Dsrv ZPRGRS_RECID_BUF_SIZE,nnnn`  
(where nnnn is the new size of the area in bytes. The range limits for nnnn are inclusive of values between 52 to 1024.)

Note: Applications that have stored ROWIDs on permanent media prior to 11.5.0 (using PRGRS\_ROWID\_VER,0) will not be able to use those stored references with an 11.6 DataServer application because 11.6 uses a new ROWID format (PRGRS\_ROWID\_VER,1).

Starting with OpenEdge 11.5.0, the in-memory format was modified to consolidate ROWID information to reduce the network bandwidth for client/server configurations. However, If you write ROWID's out to permanent storage media during your 11.5.0 run-time session and then try to read records back using your stored ROWID's in a non-11.5.0 run-time, a new ROWID format implemented in the 11.5.0 release is rendered incompatible with all releases before it or after it.

On the other way, If your application stores ROWID's on permanent media in a non-11.5.0 run-time (such as 11.5.1) but tries to locate those records using an OE 11.5.0 run-time, they would not be identified. This is because of the ROWID's of the 11.5.0 run-time are not formatted the same as other releases, the incompatibility will prevent you from finding records with ROWIDs stored permanently in one run-time format and retrieved for record lookup in the format of a different run-time.

PSC00218590 : SQLError not getting message with SNAC-10 driver.

---

New trigger solution (CR#OE00178470) generates 'PSC-init' and 'PSC-end' messages on trigger execution. Modified DataServer code gets these messages using SQLFetch()- SQLError - api calls for 2 times. Observed that SNAC-10 driver is not returning the PSC-end message as part of the 2nd time SQLFetch() with SQLError()- API calls.

This is a 3rd party SNAC-10 driver issue. Confirmed the same by using a sample ODBC program.

Note: This behavior has NO impact on DataServer functionality.

PSC00345721 : OUTER-JOIN fetches wrong record with Oracle12c

---

An OUTER-JOIN query with 3 levels of JOIN returns only matching records from the parent table. All parent table records that have no matching records in child buffer are not returned when there is an external/unknown field reference. This issue is observed with the Oracle 12c version 12.1.0.1.0 and not in the Oracle 12c release 12.1.0.2.0 or with the Oracle 11g release.

The incorrect behavior might appear as shown in the following query:

```
DEFINE QUERY qr FOR Customer, Order, OrderLine.
```

```
Open Query qr FOR EACH Customer,  
    EACH Order OF Customer WHERE Order.OrderNum = 10,  
    EACH OrderLine OF Order WHERE Order.OrderNum = 10.
```

```
REPEAT:  
    GET NEXT qr.  
    IF NOT AVAILABLE Customer THEN LEAVE.  
    DISP Customer.CustNum Order.OrderNum OrderLine.ItemNum.  
END.
```

PSC00352694 : ODBC DataServer retired and conditional backward compatibility provided

---

OpenEdge ODBC DataServer is now retired. When you upgrade to OE 11.7, your OE 11.7 DataServer client cannot connect to the ODBC Datasource using an ODBC DataServer in self-service configuration. However, the ODBC DataServer will be able to connect to an ODBC DataSource of a supported release of ODBC DataServers only in Progress networking mode to provide backward compatibility.

Note: An OpenEdge 11.7 Dataserver client can connect to an OpenEdge 11.6 ODBC Dataserver as far back as the OpenEdge 10.2B08 Dataserver.

Any attempt to make a connection to an ODBC datasource using an 11.7 ODBC DataServer will result into the following error message:

In self-service mode:

-----  
" License of ODBC DataServer cannot be obtained due to product retirement" and

In progress networking mode:  
-----

"Disconnected from server because database name was incorrect. (437)"  
"Failed to connect to the ODBC database. (6142)"

However, you can still connect to an ODBC DataSource using a supported ODBC DataServers older than 11.7 in Progress networking mode.

e. DB

PSC00353684 : CDC split records with multi-byte codepages  
=====

If your CDC-enabled database has a double-byte or UTF-8 codepage, and you have split change table records, the records might not split on a character boundary. Therefore, the ABL client that tries to rejoin the change table records must run with -cpinternal of the same codepage as the database. This is not an issue for SQL clients accessing the change table data.

PSC00352111 : MVSCH in 11.6 can corrupt 'special' schema indexes  
=====

Using the move schema utility (PROUTIL MVSCH) in 11.6 can corrupt 'special' schema indexes.

'special' schema is present when any of the following features are enabled:

- Auditing
- Key events
- Transparent Data Encryption

The problem was introduced in Release 11.6.0, and is present in the 11.6.x service packs.

It is fixed in 11.7.0 and by hotfix 11.6.3.011.

PSC00349507 : PROUTIL CONV1011 of databases with greater than 65536 user records have some corrupt \_user records  
=====

If you created your 11.x database by running PROUTIL CONV1011 on a Release 10 database, and your \_user table contains greater than 65536 users, then you have user records missing two fields that were added in Release 11. This problem will remain latent until you attempt to use those fields.

CONV1011 is fixed in 11.6.3.

This problem only exists in databases converted with CONV1011 from Releases 11.0.0 - 11.6.2, when the database contains greater than 65536 users.

You can determine if you have such records by using DBTOOL option 3 (Record Validation).

Problem records will report the following error:  
Number of fields mismatch. Expected 32, got 29.  
There were 1 error(s) found in 188861 of \_User(-5).

Correct this problem by running DBTOOL in Release 11.6.3. In DBTOOL, the records are repaired by choosing 12 (Schema Fixup), and then 2 (\_User Records Missing Fields Fixup). After the repair with DBTOOL, run PROUTIL IDXBUILD on the \_user table.

PSC00347300 : Index for the \_user table may be corrupted in databases upgraded with PROUTIL CONV1011

---

The indexes for the \_user table can be corrupted in databases upgraded with PROUTIL CONV1011.

If an index is corrupt, you will see user login processes with the error (710):  
\*\* Your Password and Userid xxxxx do not match. (710)

The cause of this error is internal structures (holders) for deleted index keys in Release 10 pass through the CONV1011 remaining in Release 10 format, instead of being resolved for Release 11. They then no longer compare correctly in Release 11 and interfere with the user login process.

This issue is fixed in CONV1011 in OpenEdge 11.6.3 and later.

For databases that have already been upgraded from Release 10 to Release 11 via CONV1011, you can determine if you have this issue by running PROUTIL IDXCHECK on the indexes of the \_user table. If you have this issue, IDXCHECK will report: found duplicate delete holder entry.

Repair the problem by rebuilding the indexes of the \_user table with PROUTIL IDXBUILD. IDXBUILD will not report duplicate delete holder entries during the index build.

PSC00220715 : dbutil.bat supports nine command line parameters

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dbutil.bat supports 9 command line parameters. Use proutil.bat if your command line requires more than 9 parameters. proutil.bat supports 27 parameters.

PSC00220401 : An encryption-enabled, manual start db cannot be started by failover clusters

---

You cannot start a database enabled for failover clusters with your operating system cluster resource manager if it is also enabled for transparent data encryption and configured for manual start.

Failover cluster and encryption-enabled databases must be configured for autostart to be started by the cluster resource manager.

If you attempt to start an encryption-enabled database configured for manual start with the operating system cluster resource manager, the actual startup

fails,  
but the cluster resource manager may incorrectly report that the database has been started.

#### PSC00226402 : Promon output format is changed to include additional fields

---

In Release 11.0.0, new columns are inserted into promon reports to provide information on new fields, for example domains, tenants, and partitions. Refer to "OpenEdge Data Management: Database Administration" for more details. Understanding the change in column location is particularly important if you have scripts that parse promon output and act on the parsed results.

#### PSC00354680 : Keystore file lock error returned by PROUTIL EPOLICY

---

A keystore file locking error may occur when running a large number of concurrent PROUTIL EPOLICY commands. The error is:

```
dbEncKeystoreAccess: Internal security service error {8} (keystore)
keystore lock file open failure {02021f0e} (15014)
```

This error causes the PROUTIL EPOLICY command to not execute because it could not gain access to the TDE-encrypted database's keystore.

Restart the failing PROUTIL EPOLICY command if this error is encountered.

#### PSC00256028 : Database log messages contain GMT timestamps

---

During regular execution, when OpenEdge processes write to the database log file (.lg) the timestamp header of the message shows the time in local time format. This header with local time information includes the offset of the local time from Greenwich Mean Time (GMT).

For example: "[2013/04/25@11:00:34.123-0400]" which shows that the time is 4 hours offset from GMT.

On UNIX systems, when OpenEdge processes field exceptions (either internal fatal errors or signals from other processes), messages may be written to the database log (.lg) file from within the process' Signal Handler code. These messages, when written from the Signal Handler, show a timestamp header in Greenwich Mean Time (GMT) format.

For example: "[2013/04/25@15:01:07.000+0000]" which shows that the time is actual GMT with 0 hours offset.

In addition, the time information written from the process' Signal Handler does not show millisecond values.

This change in timestamp formatting allows OpenEdge to avoid calling certain UNIX system functions which can cause a process to hang or not properly terminate if called from within the Signal Handler code.

f. Doc

PSC00240336 : Problems with context-sensitive help in Progress Developer Studio for OpenEdge

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When launching context-sensitive help in Eclipse, Help Not Found errors sometime occur even when help is available. The error message is, "The context help for this user interface element could not be found."

If you get a Help Not Found error after pressing F1, or clicking the help icon in the UI, try one of the following:

1. Click on some other element in the UI and press F1, or click the help icon again.
2. Click on "Search for . . ." link in the help pane. A list of relevant topics appears.

PSC00232614 : Incorrect file location reference

---

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In OpenEdge Development: Progress Dynamics Administration, there are incorrect references to the location of the intmplframe.w file.

The file can be found at `src/dynamics/install/obj/intmplframe.w`.

PSC00183192 : Search of PDF files for UNIX Platforms

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On UNIX platforms, the search index is not automatically attached to the documentation PDF files. To attach the index file so that you will have search capabilities, follow these steps:

1. From the Adobe Acrobat Reader, click on the Search icon. The Adobe Acrobat Search dialog box appears.
2. In the Adobe Acrobat Search dialog box, click on the Index button and choose Add.
3. From the drop down list of files, select the `oeidx.pdx` file and choose OK.

PSC00183191 : Non-existing examples mentioned in online help for CSSPIN

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---

The CSSpin Active X Control Help file mentions the following example:

Example Location

Project File Form/Basic File

SPINDEMO.VBP SPINDEMO.FRM

These example files do not exist.

PSC00183183 : Microsoft Security Update may affect remote access of Online Help

---

---

If you receive the following error when accessing the help remotely:

"Action cancelled Internet Explorer was unable to link the web page you

requested. The page might be temporarily unavailable", see the Microsoft Knowledge Base article titled: "Certain Web sites and HTML Help features may not work after you install security update 896358 or security update 890175" located at <http://support.microsoft.com/kb/892675/>. The article describes the reasons for the issue and provides workarounds.

#### g. GUI

PSC00238681 : VideoSoft IndexTab control does not display properly on certain platforms

---

The VideoSoft vsIndexTab OCX does not display at runtime on certain platforms (for example, Windows 7 64-bit). This is a third-party issue, and occurs whether developing in Visual Studio or with OpenEdge.

PSC00237832 : Crystal Reports XI causes crash in some environments

---

Adding an instance of the Crystal Reports XI ActiveX Report Viewer to a window causes a crash on certain platforms (such as Windows 7 or Windows 2008 Server) and with certain Report Viewer versions (namely V11.5 or later 11.X versions). This is a third-party issue, and occurs whether developing in Visual Studio or with OpenEdge.

PSC00258689 : AppBuilder in Developer Studio does not support SHIFT in accelerators

---

The ABL does not support SHIFT as second modifier for modified single key accelerators. Developer Studio bindings defined with ALT-SHIFT-X or CTRL-SHIFT-X (The "x" refers to any printable char.) will thus not work when the focus is in the design window. Progress will send CTRL-X or ALT-X to Eclipse ignoring the SHIFT and fire corresponding bindings if defined. This means that the ABL UI Designer do not respond to CTRL-SHIFT-W (Close all) and CTRL-SHIFT-S (save all) in the Developer Studio default Theme.

#### h. Install

PSC00355468 : File already exists error

---

If you do not have the Application Experience Service enabled and running on a Windows virtual machines, you get an error 'Cannot create a file when that file already exists.' Enable and restart the Application Experience Service using the Run ->Services.

PSC00339996 : Ambiguous Shortcuts on Windows 10

---

When multiple versions of OpenEdge are installed onto the same computer running Windows 10 or Server 2012 R2, the start/metro screen shortcuts for OpenEdge for

both versions are merged together by the Windows Operating system.

The following Powershell workaround can be used to resolve this shortcut issue where multiple versions of OpenEdge installed on one of these systems. It will rename the files in the start menu/metro screen:

```
$ProgressStartMenuDir="C:\ProgramData\Microsoft\windows\Start
Menu\Programs\progress"
$Oereleases=(get-childitem $ProgressStartMenuDir | where {$_.Attributes -eq
'Directory'}).name
foreach ($Eachrelease in $Oereleases)
{
    $Version=$Eachrelease.replace('OpenEdge','')
    #write-host $Version
    cd $ProgressStartMenuDir/$Eachrelease
    $files=get-childitem *.lnk -rec | where {$_.Name -Notlike "*$Version*"}
    foreach ($file in $files)
    {
        $newfileName = $file.Name.Replace(".lnk", "$Version.lnk")
        rename-item $file -newname $newfileName;
        #write-host $file
    }
}
}
```

Instructions to run the code above:

- 1) Create a text file that contains the code above, and name the file with the .PS1 file extension
- 2) Run the newly created .PS1 script with Administrator privileges

**Important Note:** Since the workaround renames existing files to include version information, the standard OpenEdge uninstall will not remove these shortcuts. On an uninstall after applying the work around, the shortcuts must be deleted manually from "C:\ProgramData\Microsoft\windows\Start Menu\Programs\progress\<Uninstalled \_OE\_Release>".

PSC00200154 : Sonic container startup shortcut requires quotes for directories with spaces

---

If you install OpenEdge into a directory with a space in the name (e.g. C:\Program Files\OpenEdge), the shortcut to start up the sonic container does not function properly. You can fix the problem by editing the shortcut and enclosing the Target: and Start in: fields in double quotes.

PSC00351182 : Issue after uninstalling OpenEdge 11.6.x from a machine that has 11.7 also installed

---

If you have simultaneously installed OpenEdge 11.6.x and 11.7 on the same machine, and if you uninstall OpenEdge 11.6.x then the uninstall of OpenEdge 11.7 fails or you get the following error when launching Progress Developer Studio for OpenEdge 11.7:

"Unable to locate installation information for OpenEdge version: 11.7".

This is because the PROGRESS registry key in the PSC section in the HKLM and HKCU registry hives is getting deleted during the uninstall of 11.6.x.

Workaround:

As a work around, you must recreate the PROGRESS registry key for OpenEdge 11.7. Either manually create the PROGRESS registry key and its value in the required hierarchy or export the registry key from another machine that has the same version installed and import to the current machine.

PSC00326579 : Installscript set-up launcher unicode stopped suddenly

---

OpenEdge 11.5.1 fails to install and displays an error message, "Install script setup launcher Unicode has stopped working" when you try to install OpenEdge upon FCS. However, it succeeds sometimes.

If issue persist, add the following registry key (case sensitive):

HKEY\_CURRENT\_USER\logit

PSC00196833 : .Net Framework not installed with unknown default language

---

Progress Developer Studio and OpenEdge Advanced UI Controls have a dependency on the Microsoft .NET Framework v4.0.

The OpenEdge installation media includes the English version of the Microsoft .NET Framework, and the OpenEdge installation process will automatically install the framework if it is not already your system, provided that your system's locale is set to English.

If the locale on your system is set to something other than English and the .NET Framework 4.0 for your locale is not already installed, then Progress Developer Studio and OpenEdge Advanced UI Controls do not install properly. OpenEdge will not install the English version of the .NET Framework when the system locale is not English, and the Advanced UI controls will not install without the .NET Framework installed.

To work around this problem, install the Microsoft .NET Framework v4.0 for your locale, prior to installing OpenEdge.

To download different languages of the .NET Framework 4.0 as well as the Windows 64-bit version:

- Login to <http://www.progress.com/esd>
- Choose "Progress OpenEdge Deployment Components"
- Choose "Microsoft .NET Framework" download page

PSC00196736 : Unknown Publisher message with a Netsetup Install

---

After performing a Netsetup install on Windows the user may see an Unknown Publisher message when running any OpenEdge .EXE files from a network drive. To resolve this issue, add the network drive share to the client's trusted zone.

To add the network drive to your trusted zone:

1. Open the Internet Options Dialog Box from an Internet Explorer session.
2. Select the Security Tab.
3. Select the Local Intranet icon from the zones shown.
4. Click the Sites command button, which opens a Local Intranet Dialog Box.
5. Click the Advanced command button, which opens a dialog box where you add and remove websites from your intranet.
6. Add \\servername\ to the list of websites. Click Close, then OK to return to the main Internet Options Dialog Box.

You may have to reboot the client for this to take effect.

PSC00356052 : Backup of configuration at uninstall time could result in hang of uninstall process.

---

At uninstall time the user is asked whether a configuration backup should be performed. If the only OpenEdge products installed on the computer are ones which have no configuration to back up such as BPM Modeler the uninstall could hang. The work around for this issue is to terminate the uninstall process and rerun it, answering "No" to the question about performing the configuration backup.

PSC00216026 : The WebClient One-Click install fails as a Non-Admin User

---

The WebClient One-Click install (OCI) (over-the-web install) fails when run by a non-admin on a system that does not already have the Installshield Setup Player installed as an Add-On. For this to work, the add-on must already be installed/registered by an Administrator. Running the WebClient One-Click install as Administrator just one time will get the Setup Player installed. After this is done the WebClient One-Click install can be run as a Non-Administrator. This issue only occurs when installing Over-the-Web. This issue does not occur when running the WebClient installation directly via the setup.exe file.

PSC00299643 : Personal install of WebClient fails with Internet Explorer

---

When you do a web-based install of WebClient using Internet Explorer, you get the following error message:

-----  
Feature transfer error  
-----

Feature: Disk<1>

Component: <Disk1>Disk1 Files(1)

File: C:\Users\User.W764\AppData\Roaming\InstallShield Installation Information\{59728F20-15EE-4C15-BB4F-780CDF156ADA}\

Error: Access is denied.

This is a third party limitation. The only workaround is to use a cdimage

install of WebClient instead of the web-based install.

PSC00281096 : Cannot install WebClient using 64-bit Internet Explorer

---

The web-based WebClient installation fails if you use 64-bit Internet Explorer (IE).

This is a third-party limitation. The workaround is to either use 32-bit IE or use the cdimage install.

PSC00255748 : WebClient 11.2.x service pack fails to install on top of WebClient 11.2.0

---

The WebClient 11.2.x service pack fails to install on top of WebClient 11.2.0 for a non-admin user. It is a problem in the WebClient 11.2.0 installation and cannot be resolved in this service pack. To install the WebClient 11.2.x service pack properly, you must uninstall the WebClient 11.2.0 and install the WebClient 11.2.x service pack again.

PSC00238578 : Slow Webclient installation on the Windows 2003 Server

---

While installing WebClient on the Windows 2003 Server, the progress bar might reach 90% and then stop for more than 20 minutes before completing the installation. This happens for the non-administrator group users.

i. LANG

PSC00353905 : Unique FIND BEGINS on multi-component index

---

A unique FIND BEGINS on a table returns an exact match if:

- The field used for BEGINS is the only component in an index.
- There is a record where the field exactly matches the BEGINS string, and there are other records where the BEGINS string is a substring of the field value used for BEGINS.

Note that if the index involved does not have the BEGINS field as the last component, the unique FIND BEGINS no longer returns an exact match in the same circumstances.

PSC00350793 : Ambiguous field references with ICU database

---

ABL code compiled against databases with an ICU collation might now fail to compile with an ambiguous field reference, e.g.:

\*\* baz is ambiguous with Foo.Baz and Bar.Baz\_and\_more (72)

This happens if the field reference is:

- Not qualified with a table name
- An exact match for a field in one table
- A partial match for a field in at least one other table

This error is expected behavior. In previous releases, the same code compiled against a non-ICU database also fails to compile when correctly detecting the same ambiguous reference.

PSC00347977 : Extra attempts to write a modified buffer after an error

---

If a buffer is scoped to a transaction block and is updated in that block, the AVM should try to save the update when the block ends. In addition, if other modifications are attempted (to that buffer or another one) in a sub-transaction and there is an ERROR or STOP condition, and that condition is handled by either DO ON STOP or DO ON ERROR (e.g., DO ON ERROR UNDO, LEAVE), this part of the modification is undone, but the AVM should still try to save the original record update at the end of the transaction.

However in previous releases, there were many circumstances where because the ERROR or STOP condition in the sub-transaction block was not being cleared properly, the AVM did not try to save the original record update at the end of the transaction block. As of OpenEdge Release 11.7, the original record update is written as expected if these same sub-transaction conditions are not cleared properly.

There are additional conditions that cause a buffer to be saved before the end of the transaction block. For example, an update to a primary key field is saved immediately. Also, the AVM attempts to save a record if ABL code reads a new record into the buffer or executes an explicit RELEASE. In such cases, you do not notice this early saving of transaction updates because the record has already been saved by the time the transaction ends.

PSC00334772 : Pathnames may be misinterpreted as single line comments (SLCs)

---

Single line comments (SLCs) in the language are have the // syntax, which is the industry standard.

However, there are statements in the ABL that accept pathnames as arguments, and because there is no requirement for these paths to be quoted, there is a possibility that an unquoted and hardcoded pathname (such as a UNC path) in code that may be interpreted as a single line comment.

These are the known statements that are affected by SLCs:

- RUN
- COMPILE
- OS-APPEND/COPY/CREATE-DIR/RENAME
- INPUT
- OUTPUT
- INPUT-OUTPUT

- SYSTEM-DIALOG GET-DIR/FILE

Example:

```
RUN //rdlserv/foo/bar.p.
```

In this case, the path is interpreted as an SLC, and the RUN statement uses the code on the next line as its arguments. This can be fixed by quoting all pathnames. Quoting pathnames is considered a good coding practice.

Also, double slashes are only interpreted as SLCs when located at the start of a string; they are not interpreted as SLCs if they are in the middle or end.

Example:

```
RUN not/an//SLC.
```

This statement functions just fine.

PSC00183853 : INT64 ActiveX support requires oleaut32.dll version 5.1.2600.2180 or later

---

To support the INT64 data type with ActiveX controls or ActiveX Automation objects, C:\windows\system32\oleaut32.dll must be version 5.1.2600.2180 or later. If your application uses an earlier version of oleaut32.dll and a parameter of INT64 data type is passed to a COM object, the results are unpredictable and may result in an error. This is true even if it is an input parameter and the number in the variable is within the 32-bit range. Therefore, if you do not have the correct version of oleaut32.dll, you should not use the INT64 data type with COM objects.

PSC00183705 : CAN-FIND X field-list problem

---

The FIELDS clause does not guarantee the inclusion or exclusion of fields in any given query. The AVM may require additional fields, for example, to accommodate a key value required by an index.

The application must not reference fields that are missing from the FIELDS list. In most cases when this occurs a run-time error is generated indicating that the field is unavailable.

There are situations, for example with a function that includes the NO-ERROR attribute by default, where it is legitimate to satisfy function requirements using a field that is missing from the FIELDS list. Such instances equate the missing field to the Unknown value (?) or null (for DataServers) in order to resolve an expression. In other words, the ABL attempts to detect missing fields with run-time errors where possible. However, there are cases where it is legitimate to use a missing field in an expression. In such cases, the missing field will resolve to the Unknown value (?) or native data source null.

PSC00132307 : Thai characters or complex scripts do not display in command prompt or console

---

---

The Windows command prompt or console is not enabled for Thai characters or complex scripts on any version of Windows (XP, Vista or Windows 7).

When trying to read Progress messages sent to the Console while using Thai or complex scripts, you can:

- \* Use the English PROMSGS file.

- \* Use the Thai character or complex script PROMSGS file, but pipe the output of the command to a file that can be read by any Windows editor.

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PSC00322779 : More restrictions on read-only class-based object properties

In previous releases, ABL allowed changes to the values of read-only object properties when the change was implemented using a built-in function. These functions included SUBSTRING, ENTRY, LENGTH, OVERLAY and EXTENT when used to modify a read-only value, for example, SUBSTRING(obj:pubProp, 1) = "ABC". It also included functions that updated the value of a MEMPTR, such as PUT-BYTE and PUT-STRING.

This was clearly incorrect behavior. As of OpenEdge Release 11.7, trying to update a read-only property in this way results in an error.

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PSC00151150 : Data types defined in imported schemas are not seen by the WSDL Analyzer

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RN# 100B-00168

When a WSDL document contains an XML Schema import element, the type and element definitions of the imported schema are not seen by the analyzer. A message indicating that a type or element definition could not be found will appear in the generated documentation.

To work around the problem, copy the xsd:schema elements (and their contents) from the imported schema document and paste them as children of the wsdl:types element of the WSDL document. Also comment out the xsd:import element in the xsd:schema element.

Double check namespace prefix definitions to ensure the prefixes in the copied XML are properly defined and can be referenced by other parts of the WSDL document.

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PSC00148993 : Time zone information lost for some XML datatypes

The XML Schema datatypes, gYearMonth, gYear, gMonthDay, gDay, and gMonth, can optionally include time zone information. OpenEdge does not handle time zone information correctly for these datatypes. Any time zone input from the ABL is lost, as is any time zone information returned from a Web service for these datatypes. For example, "1953-10-4:00" becomes "1953-10". The one exception is that Z, indicating Universal Time (UTC), is retained (for example, 1953-10Z

remains 1953-10Z).

## j. Management

PSC00348945 : Asynchronous rules will no longer fire alerts when the watch that has “AlertsEnabled” is set to FALSE.

---

In OpenEdge Management, the asynchronous rules such as AppServer Start may fire alerts even when the alerts are disabled in an active monitoring plan of a resource. However, threshold rules do not fire alerts when the alerts are disabled. Both asynchronous rules and threshold rules should respect the “AlertsEnabled” setting of a monitoring plan, but this inconsistency was a bug.

This has been fixed, and the asynchronous rules will no longer fire alerts when the alerts are disabled in a resource’s active monitoring plan.

PSC00183176 : Cannot use an older version of PROMSGS with a current release

---

Through the automated OpenEdge installation process, Progress Software Corporation programmatically ensures that a current OpenEdge installation has the most recent OpenEdge messages in the PROMSGS files. This approach also ensures that you always have the most up-to-date OpenEdge messages throughout a release's lifecycle. Do not perform any tasks related to the PROMSGS files outside of the standard OpenEdge installation process; for example, attempting to use the PROMSGS environment variable to point to any versions of a PROMSGS will have unpredictable and potentially undesirable results.

For example, the PROMSGS files installed with the OpenEdge Release 10.1B contain the most up-to-date messages to support OpenEdge Release 10.1B. After the initial install, if you install add-on products, or OpenEdge install service packs that are released after the 10.1B Release date, Progress again programmatically provides any newer or more recently updated PROMSGS files. As each OpenEdge add-on product or service pack is installed, the installation program checks to ensure that the newest copy of the PROMSGS file is being used by all products.

PSC00183170 : ubroker.properties file is renamed ubroker.properties-sav

---

When uninstalling the ubroker.properties file is renamed ubroker.properties-sav and copied to the temp directory.

PSC00183166 : Uninstall fails with Proshell.dll in use

---

The uninstall will fail if any of the files it attempts to remove are busy. Use of the Windows Explorer has been known to cause this condition of rendering the file proshell.dll as in use, thus preventing the uninstall from succeeding, however this may not be obvious at the time of uninstall.

## PSC00183165 : Error when default language not installed

---

While adding a product after an installation has been completed, if you attempt to change the default language to a language that has not yet been installed, and the language is one listed with a non-alphabetic character (e.g. -, (, )) an error will result that will not accurately reflect the problem. The error should not prevent the installation from continuing. This problem is apparent on Windows/NT platforms only and does not occur on UNIX. The workaround is to select entries from the pull-down list boxes.

## PSC00183164 : Random errors with mapped drives on MSW

---

Due to Microsoft Knowledge Base Article #294816, we do not support the running of a Progress application from a Network Share for Windows Terminal Services or Citrix running on Windows 2000 Server or Windows 2000 Advanced Server. Terminal Services users might see errors like "Disk or Network Error" or "C0000006: In Page I/O Error", etc. This happens due to a bug in the Windows operating system where the network redirector only creates one file control block (FCB) for all user connections so that when the first user to open the files logs off, the other users lose their connections to files. To work around this problem, place the program and associated data files on a local volume, not network share.

## PSC00349930 : ContainerOffline alert is no longer fired when a new remote AdminServer is added.

---

When a new remote AdminServer is added to OpenEdge Management, a ContainerOffline alert is fired and cleared as soon as the status of the remote AdminServer is changed to online. This alert is no longer fired.

## PSC00354718 : Batch Program may overwrite log files when multiple processes are running for it.

---

When multiple processes are running for a Batch Program, all the processes write to the same log file. In such cases, each process appends to the same log file and overwrites messages written by other processes. To avoid this, use a parameter substitution in the log file name to separate each process to write to its own log file.

## PSC00343399 : SQL exception inserting process data into trend database with long executable paths

---

A SQL insert exception may occur when recording trend data when the path to an executable, or the number of arguments passed to the executable, exceeds the SQL field width for the trend database Sys\_Process.Process\_Command or Sys\_Process.Process\_CommandArgs fields.

The exception normally looks like this, followed by the actual insert statement:

An SQL Exception occurred during an insert into the trend database. SQLState: HY000

message: [DataDirect][OpenEdge JDBC Driver][OpenEdge] Character string is too long (8184)  
vendor: -20152

To work around the issue use dbtool or the data dictionary SQL width tool to increase the SQL width of the Sys\_Process.Process\_Command and Sys\_Process.Process\_CommandArgs fields to a value large enough to hold the entire command and arguments.

Alternatively, apply the delta named fathom1161.df for the 11.6.1 release located in \$OEM/db/110/db.zip file. This delta contains field width changes for above mentioned fields.

#### PSC00182944 : Working with Properties

---

If an "-Xbootclasspath:", "-Xbootclasspath/a:", or "-Xbootclasspath/p:" entry that contains spaces in the argument value has been added to the JavaTools.properties or AdminServerPlugins.properties file, the entry must be manually edited to include quotes around the entire argument value (value to the right of the colon).

#### k. NETUI

#### PSC00348858 : Mapping the Unknown value to null in .NET

---

Before 11.7, if you set a .NET property that is defined as a mapped type (a base type) to the Unknown value (?), the property's value would be set to the default value for its data type. Starting in 11.7, the value will be set to null if the property in .NET is defined as a nullable type. For example, the string data type in .NET is always nullable, so you will get null instead of the empty string.

Other base types are not nullable by default, but they can be explicitly defined as nullable in .NET with special syntax. If you set a property of some base type other than string to the Unknown value (?), it may be set to null, depending on how the .NET class was written. Most often these types are not nullable and the behavior will be the same as it was before, i.e., you will get the default value for the data type.

If you need to revert to the old behavior, you can use the startup parameter "-unknownToNull 0". Using the parameter with a value of 1 or greater gives the new behavior. The default value for the parameter in 11.7 is 1.

Note that when you pass the Unknown value (?) as a parameter to a .NET method, the target variable in .NET is already set to null if the type is nullable. This new behavior is only for setting properties.

This new behavior is also available in 11.6.3, but unlike 11.7, the default for -unknownToNull is 0. To get the new behavior in 11.6.3., you need to opt into

the new behavior by using "-unknownToNull 1".

PSC00210591 : ABL extended .NET object subscribed to .NET event may be deleted prematurely

---

An ABL extended .NET object subscribed to a .NET event may be deleted prematurely. This bug can be observed with the following conditions:

- An ABL extended .NET object, for example AForm, is visualized
- A .NET object, for example a button, is not on AForm, but one of AForm's methods is subscribed as the handler for this button's event.
- There is no reference to the button in the implementation of AForm.

If AForm is closed, and therefore Disposed, and all ABL references to it go away, it will be deleted even though the button subscription is still outstanding. In other words, the button, in essence, still has a reference to the class due to the subscription. But this does not prevent the object from being deleted, as it should.

PSC00225230 : .NET controls that call back to the AVM on other threads are not supported

---

A .NET object might call back to the AVM to handle an event on a thread other than the main UI thread. It might also call a .NET method on a different thread where the method was overridden in a derived ABL class. The AVM does not support either of these cases and raises a run-time error if they occur.

PSC00204789 : Workaround for Elegant Ribbon control and IsolatedStorageException

---

The Foss PersistentStateManager class automatically loads and saves application state in isolated storage, which does not work with the current OpenEdge .NET bridge architecture. Setting the LoadStateAutomaticallyFromIsolatedStorageForDomain property to FALSE disables the automatic state loading at application startup. Add this line to your program that uses the Elegant Ribbon control:

```
Elegant.Ui.PersistentStateManager:LoadStateAutomaticallyFromIsolatedStorageForDomain = FALSE.
```

This also means that changes in the quick access toolbar will not be loaded and saved automatically. If you need the changes to be kept, manually use the Load() and Save() methods of the PersistentStateManager class.

PSC00353880 : The Infragistics UltraPaletteInfo control does not work

---

Infragistics has introduced a new UltraPaletteInfo control that is contained in the Infragistics assemblies provided with OpenEdge 11.7. You cannot use this control. If you drop this control onto a GUI for .NET form, it results in the following compiler error:

"Extent of array parameter to method or function GridPaletteRow does not match what is expected. (14823)"

## 1. Next Gen AppServer

PSC00355399 : To enable APSV set statusEnabled=1

---

If the statusEnabled property is set to "0" in the openedge.properties file, Java Open Client cannot run and APSV is disabled. Set statusEnabled=1 in the <ablapp>.<webapp>.APSV section of the openedge.properties file to enable APSV. Note that statusEnabled=1 is the default.

PSC00354276 : Insufficient privileges error when creating an instance on Windows

---

If you create a PAS for OpenEdge instance from an account without administrator privileges, two error messages stating, "You do not have sufficient privilege to perform this operation" will be displayed. These messages are caused by attempts to create symbolic links to the oepropCmd.bat and deploysvcCmd.bat files so that oeprop and deploysvc can be called through tcmn as an external command. Without administrator privileges, each attempt to create a link fails and an error message is generated after each attempt.

Microsoft has loosened security requirements in this regard in the upcoming Windows 10 Creators update. Once this update has been installed, these symbolic links can be created without an Administrator account.

PSC00354333 : Deleting AgentInfo tables causes a GPF

---

If an ABL program deletes any of the table handles returned by static methods from Progress.ApplicationServer.AgentInfo, any subsequent attempt to update/reference those tables causes the agent to generate a General Protection Fault (GPF).

PSC00351686 : Progress.Data.BindingSource not supported on PAS for OpenEdge

---

The Progress.Data.BindingSource class is not safe for multi-session use and is therefore not supported for use on the Progress Application Server for OpenEdge. Attempting to use it results in the following error:

BindingSource is not supported on multi-session server. (18967)

PSC00344668 : PAS for OpenEdge localhost\_access\_log filling with messages

---

If you are running Developer Studio with a PAS for OpenEdge instance, you may notice the localhost\_access\_log.<date>.log filling with "oemanager" and other messages.

Developer Studio continually queries the instance to make sure it is still available. There may be as many as 60 messages in a minute. This causes the localhost\_access\_log.<date>.log file to grow quickly. Also, it makes the file hard to parse when you are trying to debug an issue.

With the 11.6.1 release of OpenEdge, a filter is available that excludes the "oemanager" queries from being logged in the localhost\_access\_log.<date>.log file.

To enable the filter:

- 1) Go to your <pasoe-instance-dir>/conf directory.
- 2) Save a backup copy of the server.xml file
- 3) Open the server.xml file and add the line [ conditionUnless="oemanager" ] in the AccessLogValve section. For example:

```
<Valve className="org.apache.catalina.valves.AccessLogValve"
  directory="{catalina.base}/logs"
  prefix="localhost_access_log."
  suffix=".txt"
  conditionUnless="oemanager"
  pattern="%h %l %u %t &quot;%r&quot; %s %b %D" />
```

- 4) Stop and restart your PAS for OpenEdge instance to enable the change.
- 5) Verify that the "oemanager" queries no longer appear in the localhost\_access\_log.<date>.log file.

## PSC00348215 : JSDO Catalogs not protected by default in PAS for OpenEdge

---

In the classic Application Server REST Adapter, the Spring Security Stack is configured to provide authorization protection for JSDO catalogs. Under PAS for OpenEdge, catalogs no longer are in their own directory. Adding wildcard protection to .json files would protect the JSDO catalogs and all other .json files. If you want to target JSDO catalogs for protection, you need to add specific intercept URLs to your Spring Security configuration file.

For example, to protect a catalog file named Customer.json, perform the following steps:

1. Open the WEBAPP/WEB-INF/oeablSecurity\*.xml file you are using for your WEBAPP.

2. Look for this section:

```
<!-- Restricted Mobile session class uses this page as part of its
  login() operation, protect it so it triggers user
  authentication -->
<intercept-url pattern="/static/home.html"
  access="hasAnyRole('ROLE_PSCUser')"/>
<!-- Mobile application restrictions section ends here -->
```

3. Add the following intercept URL to the section:

```
<intercept-url pattern="/static/Customer.json"  
  access="hasAnyRole('ROLE_PSCUser')"/>
```

Do this for all catalogs you want to protect.

m. OEBPM

PSC00355633 : OpenEdge BPM is certified to run on JDK/ JRE 1.7.

---

In OpenEdge release 11.7, though OpenEdge servers are certified to run on JDK/ JRE 1.8, OpenEdge Business Process Servers (BP Servers) are certified to run on JDK/ JRE 1.7 only.

As a result, please note the following:

- BP Servers, both EJB and Portal servers, which use the environment variable JAVA\_HOME are now directed to the folder location \$DLC\oebpm\jdk.
- Though Progress Developer Studio for OpenEdge runs on JDK/ JRE 1.8, the custom Java components that are to be deployed to BP servers such as adapters, Java libraries added to BPM Project's classpath, and Business Objects must be built to run on JDK/ JRE 1.7 only.

PSC00255318 : BP Server DataSet CLOB supports only UTF-8

---

When you populate a dataslot with a DataSet value that contains a CLOB field, the format must be UTF-8.

If your source data is in another format, it must be converted to UTF-8 using ABL statements.

For example:

```
COPY-LOB FROM m2 TO etable1.clobFld CONVERT TARGET UTF-8.
```

PSC00353424 : 32-bit OpenEdge BPM Server does not start on Windows 10

---

When OpenEdge BPM is installed on Windows 10 using a 32-bit installer, the BPM Server does not start due to Java heap space limitation.

As a workaround, perform the following:

1. Open the oebpsejbenv.cmd file located in the %DLC%\oebpm\jboss\bin directory.
2. Locate the line similar to the one mentioned below:  
set VM\_ARGS=%VM\_ARGS% -server -Xms256m -Xmx1024m -XX:PermSize=128m -XX:MaxPermSize=256m
3. Change the values in -Xms256m -Xmx1024m to -Xms128m -Xmx512m.

4. Start the EJB server using the command startEjbServer.cmd.
5. Open the oebpsportalenv.cmd file located in the %DLC%\oebpm\jboss\bin directory.
6. Locate the line similar to the one mentioned below:  
set VM\_ARGS=%VM\_ARGS% -server -Xms256m -Xmx1024m -XX:PermSize=128m  
-XX:MaxPermSize=256m -Dnet.sf.ehcache.sizeof.filter=ehcachefilter.config  
-Doebps.server.name=%SERVER\_NAME% -Doebps.server.type=%SERVER\_TYPE%  
%PROCESSOR\_ARGS% %EXT\_VM\_ARGS%
7. Change the values in -Xms256m -Xmx1024m to -Xms128m -Xmx512m.
8. Start the Portal server using the command startPortalServer.cmd.

PSC00256482 : EJB Server does not start when hostname has \_

---

The EJB Server does not start when hostname has "\_". This is a limitation with JBoss application server.

PSC00355889 : Invalid DateTime and Password validations for JSDO Catalog.

---

When validating the dataslots supported by JSDO Catalog, invalid semantic annotations are generated for CHARACTER dataslot with Password, DateOnly, and DateTime validation types.

As a workaround, for DATETIME dataslot,

- Replace semanticType : { "type" : "Date" } with semanticType : "Date"
- Replace semanticType : { "type" : "Datetime" } with semanticType : "Datetime"

And for CHARACTER dataslot with "Password" type, add semanticType : "Password".

n. Open Client

PSC00351494 : Java OpenClient connection problem with http proxy

---

The default Java Open Client has connection problem with HTTP proxy after JSSE upgrade. The recommended workaround for this is to use RSA instead of JSSE as SSL provider.

Use bilow env variable to set this, before running the Java open client.

PSC\_SSL\_PROVIDER=rsa

PSC00194437 : Multiple Dataset parameters and RPC Encoded Web Services with Axis java clients

---

When defining multiple INPUT DATASET parameters for an OpenEdge web service that uses RPC/Encoded SOAP messages, do not use the NAMESPACE-URI option in the

DEFINE DATASET statements.

The Apache Axis Java client does not properly handle namespace declarations when it sends a SOAP request for an RPC/Encoded SOAP message. As a result, an incorrect message will be sent and the data will not be loaded into the ProDataSet.

Axis may have similar issues with OUTPUT DATASET parameters. SOAP responses from OpenEdge may not be properly deserialized.

If the NAMESPACE-URI option is required, then either define the OpenEdge Web service to use Document/Literal or RPC/Literal SOAP messages. Alternatively, avoid the issue by passing only one dataset in the Web service call.

o. PDSOE

PSC00293941 : ABL UI Design wizard does not have entries for Structured Procedure, Structured Include, Method Library and SAX handler

---

The procedure type templates (Structured Procedure, Structured Include, Method Library, and SAX handler) supported in standalone AppBuilder are not available in Progress Developer Studio UI Designer Wizard.

You can make the Developer Studio recognize the ABL source files without an user interface as AppBuilder files in case they are SmartObjects that have super procedure that one wants to override using Add Procedure or Add Function. The SAX handler is a SmartObject, but Structured Procedures or Structured includes are not. A Method Library may possibly inherit from a super procedure.

Here is a workaround to make the Developer Studio recognize the SAX handler as an AppBuilder file. This approach should also work for the other templates, but the file will be created as a .w, which may not be desirable.

--

For the SAX handler, the template can be selected manually via following steps from the first page on New UI Design Wizard:

1. Click the Template button.
2. Select the src\adm2\template directory from the directory drop down.
3. Select the sax.w template from the selection list.

For a permanent workaround, you can change the src/template/shared.cst to define the sax handler as a SmartObject as follows:

Replace:

-----  
\*NEW-PROCEDURE SAX &Handler  
-----

with:

-----  
\*NEW-SMARTOBJECT SAX &Handler  
-----

You can specify and add your own .cst files the same way as the standalone AppBuilder. They can also be added from the Palette in the Developer Studio.

PSC00354459 : The CatalogGeneration task does not work on certain platforms with database fields defined with LIKE

---

For platforms other than Windows and Linux, the CatalogGeneration task does not work properly if the project source depends on database fields defined with the LIKE option.

PSC00240112 : Progress Developer Studio for OpenEdge debugger behavior change

---

Starting in OpenEdge Release 11.0 and continuing in all subsequent releases, the Progress Developer Studio for OpenEdge debugger does not stop at the first executable line. Instead, the debugger stops at the line containing the first breakpoint.

PSC00355862 : Classes in the PROPATH are not listed in wizards

---

When you restart a work space, ABL files added in the PROPATH are not listed in wizards such as Test Case Class or Super Class Selection wizards and in code assistance.

Workaround is to launch the Developer Studio with clean option (Use Developer Studio - Clean).

PSC00355412 : Installing Progress Developer Studio 11.7 to an external Eclipse 4.5.2

---

If you try to install Progress Developer Studio 11.7 plug-ins directly to an external Eclipse 4.5.2 using the integrateArchitect.bat file, it does not work.

Here is a workaround to install it successfully:

1. Go to  
\${external\_eclipse\_Location}\plugins\org.eclipse.platform\_{version\_details}.
2. Open the plugin.properties file.
3. Modify the entry version to 4.5.2\n\ (such as {1} ({2})\n\)

For example:

Version: 4.5.2\n\

4. Save the file and run the integrateArchitect.bat file.

PSC00355813 : Web UI project incremental publish not working properly if Powershell version is 2.0

---

You cannot incrementally publish a Web UI project if the Powershell version is 2.0. As a workaround, you must upgrade the Powershell version to 4.0.

Following are the steps to check Powershell version:

- 1.Launch command prompt and type the powershell command and press Enter.
- 2.Type the \$PSVersionTable.PSVersion command.  
You will see the following result:

```
PS C:\Users\abc> $PSVersionTable.PSVersion
```

```
Major Minor Build Revision
```

```
-----  
4 0 -1 -1
```

If the major version as in above is less than 4, incremental publish of Web UI project will not work and an upgrade is required.

PSC00346799 : The 'Publish changes immediately' option in the New OpenEdge Project wizard for the 'ABL Web App' project type is removed

---

When creating an OpenEdge project of type "ABL Web App", the Publish changes immediately option is no longer supported to publish the ABL services.

After you have created your project, your project and the ABL services are published depending upon the server instance settings in the Server editor. You can modify the publishing settings in the Server Editor to one the following options:

- Never publish automatically
- Automatically publish when resources change
- Automatically publish after a build event

You can also set the publishing interval in seconds.

PSC00222815 : OpenEdge cannot compile/run GUI for .NET code generated using previous versions

---

When you edit GUI for .NET code generated using a previous version of OpenEdge Visual Designer, the generated code is updated to the current version of Progress Developer Studio for OpenEdge and thus might contain new language constructs that are not compatible with the previous versions of the compiler and the AVM, and wizard-generated code is incompatible with previous versions. Such incompatibilities can occur even when you do not explicitly use new features of the current version.

To compile and execute GUI for .NET code, you must use an OpenEdge version that matches or is later than the Visual Designer version in which the code was generated. For example, source code opened in version 11.0 of the Visual Designer will no longer compile in 10.2B.

p. Porting

PSC00187938 : On Windows 7 platforms, sqlexp only works with a numeric port number

---

On Windows 7 platforms, sqlxp can only connect to the database server if the port is numeric. For example, specify the port number as 4050 rather than using a service name like "mydbservice".

PSC00208050 : Windows 64bit requires more memory for the Operating System

---

---

In Windows 64-bit, the operating system requires 2GB of free memory for acceptable OpenEdge performance. If your shared memory allocation (database buffer pool) leaves less than 2GB of free memory, then performing even simple operations, such as finding a record that is in memory, is extremely slow.

q. REST Adapter

PSC00305570 : Unable to deploy REST application on a remote AdminServer

---

---

You might observe timeout issues when deploying a REST application on a remote AdminServer. This can happen when large REST application zip files take longer to deploy than the default request timeout allows. Work around this issue by increasing the `fathom.activemq.timeout` Java system property value. By default, this property is set to 20000ms. Increase the value to 40000ms by adding "`fathom.activemq.timeout=40000`" to the `$DLC/fathom.init.params` file.

r. Replication

PSC00254497 : Parameters must be in sync on source and targets

---

---

The following startup parameter values on target database(s) must be greater than or equal to the values on the source database:

- \* Lock Table Entries (-L)
- \* Number of Users (-n)
- \* Maximum JTA Transactions (-Maxxids)
- \* The sum of Number of Users (-n) and Maximum Servers (-Mn)

In this release, if the values for the target are less than the source, the agent will not start, a message is written to the log file, and a failure return code is sent to the server.

In prior releases, a message was written to the log file, but the agent started.

s. SQL

PSC00334862 : Unordered output for DISTINCT without ORDER BY

---

---

In 11.6 as part of the new optimizations done in the SQL, most of the DISTINCT queries are now transformed to GROUP BY to get significantly better performance in most cases.

For example,

Assume the user given query as below

```
select distinct c1,c2 ,c3 from Test_tabl1;
```

Is now transformed internally as

```
Select c1,c2,c3 from Test_tabl1 Group By c1,c2,c3;
```

Side effects of the above transformation :-

-----

1)

Without any transformation, DISTINCT is performed by Sorting the input rows. Because of the SORT the output will be in the sorted order of distinct columns. Since the query is not having any ORDER BY clause, it is not required to give the output in the sorted order. But due the distinct operation user will see the sorted output even though there is no order by clause in the query.

With the new transformation, GROUP BY query is processed with HASH aggregation, because of the HASH aggregation output results may not be in the order.

If user wants the output to be in the sorted order, user must specify the ORDER BY clause in the query.

2)

Above same ordering problem manifested in a different way.

```
Select distinct top 10 c1,c2,c3 from test_tabl1;
```

for the above query without any transformation, first distinct operation is performed on the result of distinct, TOP 10 rows are returned. Since the DISTINCT needs sorting, the TOP 10 rows will be the first 10 rows in the order.

In a way the above query returns the output equivalent to below query

```
Select distinct top 10 c1,c2,c3 from test_tabl1 order by c1,c2,c3;
```

Whereas with the new transformation, DISTINCT is transformed to GROUP By, if GROUP BY processed with HASH aggregation, the input to the TOP operation may not be in the sorted ORDER hence results would vary (i.e the output may not be the first 10 rows).

To get the consistent output it is required to have ORDER BY clause.

Note that the sql standards have no requirement that the output of SELECT DISTINCT need to be in any particular order.

PSC00313386 : OE SQL supports OS authentication

---

OpenEdge SQL now supports password authentication of users based on a user-id defined to the operating system's user identification system. This capability is called OS authentication.

To use this capability, there must be an OpenEdge authentication domain defined in the database schema.

Currently, a domain is defined in the ABL Data Administration tools.

Use the methods described in the Basic Database Tools section of the ABL documentation to define the domain.

To use the domain when connecting to SQL, connect with the UserID set to "username@mydomain" where "mydomain" is the new domain you have defined in Basic Database Tools.

PSC00192905 : ESQLC clients can specify an IP protocol version using a parameter

---

ESQLC clients will default to using the IPv4 protocol. The use of the IPv6 protocol can be selected by using the -ipv6 parameter on the connection URL.

The following is an example of a connection URL where the use of IPv6 protocol is desired:

```
progress:T:myhost:5000:mydb:[-ipv6]
```

The parameter is also available to use with connection URLs for the SQLDump, SQLLoad, and SQLSchema utilities.

PSC00354786 : Validation using SAN in certificates is not supported by OE JDBC drivers

---

Providing Subject Alternative host Name (SAN) as part of JDBC connection for validation does not work as desired. Connection to OE database using JDBC drivers succeeds even with an invalid certificate subject name when Subject Alternative Name (SAN) extensions are provided in the server certificate.

PSC00354020 : Wild card CA signed certificates are not supported by OpenEdge Database drivers

---

If a Certificate Authority signed certificate contains wild cards, the connection to OpenEdge database using ODBC and JDBC drivers is not supported. This problem occurs when the "hostNameInCertificate" parameter is specified in JDBC URL to validate the hostname used in certificate.

PSC00351156 : LENGTH() now supports varbinary datatype

---

The LENGTH() scalar function can now be applied to a value of the varbinary datatype.

PSC00350468 : Authorized Data Truncation feature used with OUTPUT option returns an error when used with scalar functions with character values

---

When the SQL feature, Authorized Data Truncation, is used with the OUTPUT option, and SQL queries using character valued scalar functions such as UPPER or RTRIM, the query execution may return an internal error as follows:

```
SQLState=HY000
```

```
ErrorCode=-219901
```

```
[DataDirect][OpenEdge JDBC Driver][OpenEdge] Internal error 2 (A buffer other than the NLS system
```

```
handle memory was not large enough) in SQL from subsystem NLS SERVICES function nlsUpperCase
```

```
called from nc_upper on . for . Save log for Progress technical support.
```

This occurs only when the scalar function is applied to a value which is larger than its defined size. For example, a column defined as varcahr(15) and a value of size 45 characters is read.

The scalar functions with this behavior are:

Translate, Initcap, Insert, Lower, Ltrim, Prefix, Replace, Repeat, Rtrim, Upper

The scalar functions Substr() and Concat() are not affected by this problem.

This problem will be resolved in the next OpenEdge service pack.

PSC00287562 : Error in data access for TP table when data is not moved to respective partitions.

---

For a TP table data access, user may experience failure when one or more partitions of that table are marked for "prepare for split target". If query tries to access such partitions, SQL server returns failure saying "Table is in maintenance mode". This happens for local index scan and table scan. However, SQL server does not report error when Global index scan is used by the query. Below is the illustration of above behavior using an example.

--Alter the table to a list partition table

```
ALTER TABLE TAB
PARTITION BY LIST I USING TABLE AREA "tpCustomerArea60"
(
  PARTITION PART_1 VALUES IN (1),
  PARTITION PART_2 VALUES IN (2)
)USING INDEX IDX_TAB;
```

```
ALTER TABLE TAB PREPARE FOR SPLIT PRO_INITIAL TARGET PARTITION PART_1;
```

--Access data using local index scan. Error shall be thrown in this case

```
SELECT * FROM TAB;
```

[DataDirect][OpenEdge JDBC Driver][OpenEdge] Table "HUM.TAB" cannot be accessed for a partition (partition id=1) due to incomplete db maintenance operation.(17736)

--Access data using global index scan. We shall get result in this case

```
SELECT * FROM TAB FORCE(INDEX(INDX_GLOBAL)) WHERE I>0;
```

```
I
```

```
-----
1
```

```
2
```

So, it is recommended to the users to move the data to respective partition as soon as the partition is marked as "prepare for split target" to have unrestricted data access.

PSC00355314 : Env variable to increase Java object cache size

---

Sql server may return error "[DataDirect][OpenEdge JDBC Driver][OpenEdge] Error in Stored Procedure Execution. (7853)" when a large number of stored procedures/User defined functions are executed. This error can happen when Java object cache size is not sufficient.

Environment variable PROSQL\_JCACHE\_SIZE can be used to increase the size of the sql Java Object cache, which is used for Stored Procedures and User Defined Functions and sql triggers.

Usage:

export PROSQL\_JCACHE\_SIZE=n, where n can be any integer between 1 and 10000.

Size will fall back to default 200, if a value is used which is outside this supported range of 1 to 10000.

#### PSC00355165 : User Define Functions performance impact

---

SQL has introduced a new feature called User Defined Functions (UDF) in OE11.7.0. UDFs are JAVA based functions which run on a JVM (Java Virtual Machine), and they are a subject for ongoing development work. Use of UDFs in a SQL statement may impact the performance of that statement.

#### PSC00354884 : REVOKE with option GRANTED BY ANY\_USER

---

The REVOKE statement has optional syntax, GRANT BY ANY\_USER which should revoke all the privileges for a particular user for all users who have granted privileges. This option is not revoking all the privileges that should be revoked.

As a workaround, every user who granted privileges should issue an ordinary REVOKE for the privileges that the user had granted.

#### PSC00188599 : SQL uses the Java compiler to compile the Java code for a CREATE

---

TRIGGER or CREATE PROCEDURE statement. If the Java compiler finds errors in this Java source code, it outputs diagnostic information describing the errors.

A subset of the diagnostics is appended to the SQL-92 error message which is returned to the client.

The entire set of diagnostics is stored on the server, in the SQL server's WRKDIR (working directory). If the owner of the stored procedure/trigger is OWNER, and the procedure/trigger name is XX, then all the diagnostics are in the file named OWNER.XX.LST in the SQL server's WRKDIR (working directory).

The WRKDIR is identified by either the environment variable \$WRKDIR, or on NT by the registry entry WRKDIR under the registry key for the Progress software installation.

#### t. Security

#### PSC00353845 : Memory leak in OpenSSL upgrade

---

The OpenSSL version shipped with OpenEdge 11.7.0.0 exhibits a one-time initialization memory leak of 64 bytes in the PAS for OE multi-session Agent and OpenEdge SQL server executables.

OpenEdge does not expect this memory leak to impact existing applications, and

will correct the problem in the next release where the OpenSSL version has been updated.

#### Resolution

-----

Fixed as part of upgrading the OpenSSL product version in all OpenEdge 11.7 service pack releases.

#### Reference

-----

<http://openssl.6102.n7.nabble.com/libcrypto-1-1-leaks-since-old-locks-are-removed-td64631.html>

PSC00326921 : OE client instance is started without a “-ssl”

---

When an OE client instance is started without a “-ssl” startup parameter and sends connection request to preserved DB running in ssl mode, the DB server fails to authenticate the client connection request and message is returned to client to send back a ssl enabled handshake request. If the client is capable of sending an ssl request, the connection can be established.

PSC00355207 : OE Authentication Gateway AIX needs stsdmreg run

---

When install OpenEdge Authentication Gateway, the oeauthserver installed with the product will start out-of-the-box except on AIX. The domains.keystore created for the oeauthserver is not compatible with AIX.

This is easily worked around.

- 1) after installing the OpenEdge Authentication Gateway
- 2) go to the ~/oeauthserver/webapps/ROOT/WEB-INF/config
- 3) here run the stsdmreg to create a new domains.keystore  
    proenv> stsdmreg domainsks.csv domains.keystore
- 4) now the oeauthserver will start without error

#### u. Server Technology

PSC00335833 : Connecting to a WebSphereMQ via ABL Client using Connection Factory

---

You must use WebSphereMQ's binding mode to connect to WebSphereMQ server remotely. For this you will need to create the connection factory that is compatible with jms session type used in the ABL client.

Following are the compatible combinations:

- \* ABL jmsSession can connect using WebSphereMQ's ConnectionFactory, QueueConnectionFactory or TopicConnectionFactory
- \* ABL ptpSession can only connect using QueueConnectionFactory

\* ABL pubsubSession can only connect using TopicConnectionFactory

## PSC00222182 : 11.1 Webspeed Messenger installation behavior for Windows

---

From OpenEdge Release 11.1, Webspeed Messenger installation behavior on Windows has changed as below:

### 1) WebSpeed Messenger only installation:

The msgnrs.properties file is created in the \$DLC/properties location. Prior to OpenEdge Release 11.1, it used to be the ubroker.properties file. This changed behavior on Windows is now consistent with the behavior on UNIX.

Note: You can rename the msgnrs.properties file to the ubroker.properties file.

### 2) WebSpeed Messenger only installation performed over the existing OpenEdge installation:

- a) The msgnrs.properties file is created in \$DLC/properties.
- b) The existing ubroker.properties file is saved as ubroker.properties-sav.

This changed behavior on Windows is also consistent with the behavior on UNIX.

## PSC00167391 : OpenEdge installation may install Sonic client and container code

---

RN#: 101A-00291

---

The OpenEdge installation program may install Sonic Software client and container code depending on which products get installed. Because the installation program requires it run as ROOT on Unix, the Sonic Software code gets installed with those permission set. The OpenEdge installation program attempts to set the correct permissions for the Sonic code, but this fails on the HP-UX operating system. This will cause the Sonic ESB Container created by OpenEdge to fail when started unless it is started as ROOT. To resolve this, run the command 'chmod -R o+w \*' from \$DLC/sonic as ROOT.

## v. WebClient

### PSC00310993 : WebClient install fails from IIS

---

If hosting the WebClient install image on an IIS Web Server, the install might fail with the following error message:

An error (-5005 : 0x8007000d) has occurred while running the setup.

If this occurs, make sure to define the following MIME types in your IIS web server and re-try:

```
.inx application/octet-stream
.ini application/octet-stream
.hdr application/octet-stream
```

PSC00345578 : MD5 will change with class references

---

If a .p, .w, or .cls file references any element from another class, the MD5 value generated by COMPILE xxx GENERATE-MD5 will change when it is first compiled in this release, even if no source code changes were made. This means there may be a larger download after the first new WebClient deployment after this recompile.

PSC00183963 : DLLs and EXEs That You May Have to Package with Your Application

---

Be aware that there may be Progress-supplied DLLs or EXEs that are used by your application that are not included in the end-user WebClient install. Strictly speaking, these DLLs and EXEs are not a part of ABL. For example, there are some DLLs or EXEs only used during application installation. Other DLLs may be required if the application uses procedures in the adecomm or adeshar directories that indirectly use DLLs. Progress excludes them from the install to keep WebClient as small as possible and keep install time over the Internet as fast as possible. If you need any of these files to install or run your application, include them in your application installation. Examples of these files are listed below by category.

DLLs used by some procedures in adecomm/adeshar:

- dirsrch.dll
- fileinfo.dll
- proprint.dll

EXEs that could be used by your install:

- \* ini2reg.exe
- \* regsvr32.exe (A Microsoft tool usually, but not always, installed on a typical PC)

w. WebSpeed

PSC00355533 : Dropping support for WebSpeed ASP Messenger

---

Support for the WebSpeed ASP (WSASP) Messenger is being dropped as it is based on technology that is no longer supported by Microsoft.

LIST OF ISSUES ADDRESSED

a. ADE Tools and Runtime

PSC00354001

---

OpenEdge.Net.URI:encode is encoding tilde characters

PSC00352357

=====  
HTTP Client Execute() throws input-blocking error when used in ABL.NET (or potentially any interactive session that has a WAIT-FOR in place) due to an additional WAIT-FOR in the OpenEdge.Net.ServerConnection.ClientSocket class.

PSC00351612  
=====

Inaccurate "All the changes were backed out" error when loading (.df) file with the option "Commit Even with Errors" is checked.

PSC00350851  
=====

The PauseBetweenRetry option delays the first execution of an OE HTTP client request.

The delay matches the value set to PauseBetweenRetry.

If the value of PauseBetweenRetry is equal or greater than that of RequestTimeout, the client will return error 408 - Request timeout.

PSC00350770  
=====

The OpenEdge.Core.String:isQuoted() method introduced in 11.6.3 incorrectly returns NO when a string is properly quoted, if the string has any multi-byte characters in it.

PSC00350767  
=====

The OpenEdge.Core.String:isQuoted() method introduced in 11.6.3 fails with error "\*\*\* Starting position for SUBSTRING, OVERLAY, etc. must be 1 or greater. (82)" if an empty string is passed in.

PSC00350612  
=====

Using basic authentication and viaproxy definitions on the HTTP Client to get to the external network through the customers Proxy loses Authentication.

PSC00349532  
=====

Verify Data Width report using Format is incorrect for some negative values.

PSC00349030  
=====

Despite database security administrator being enforced, a regular user can still delete and create data in \_sec-\*-role\* tables

PSC00348817  
=====

In OE 11.6.2 when creating an incremental dump file involving a field for which the case-sensitivity has been changed, a 565 error is thrown and the change to case-sensitivity of the character field is not present in the delta.df.

Error Message: \*\* FIND FIRST/LAST failed for table \_Index-Field. (565)

PSC00348566

=====  
The Data Administration tool should not dump hidden system tables.

PSC00348113

=====  
All of the Add methods that have the list index as the first parameter raises error (142) when used.

This applies to

1. Add(s as integer, o as Object )
2. AddAll(s as integer,c as ICollection)
3. AddArray(s as integer, o as Object extent)

PSC00347927

=====  
A SmartToolbar placed in a SmartWindows has its instance properties set to "VERTICAL" and the SmartToolbar is placed on the right side of the SmartWindow. The SmartWindow is saved, and closed, but when the SmartWindow is reopened, the SmartToolbar is placed to the left of its original place. If the developer replaces the SmartToolbar to the right side of the SmartWindow and saves it, when the SmartWindow is reopened, the same problem occurs. Then the developer moves the SmartToolbar to resize it and then places the SmartToolbar to the right side of the SmartWindow and saves it. Now, when the SmartWindow is reopened, the SmartToolbar is placed in its correct place.

PSC00347886

=====  
When an instance of IHttpclientLibrary is re-used between HttpClient instances, the subscriptions to the underlying ABL sockets read handler are not reestablished and the socket times out.

PSC00347850

=====  
When using multiple AppServers with different partition names, but the same AppService name, attempting to reconnect to the AppServer partition will connect to the wrong AppServer if the other partition with the same name is already connected.

PSC00346060

=====

Some HTTP client responses are returned as Memptr objects when JsonObject objects are expected

PSC00346021

HTTP client environment variable SSL\_SOCKET\_READ cannot be changed in application code

PSC00344810

It is not possible to receive a large HTTP response in OpenEdge 11.5.1 when using the HTTP Client.

PSC00344784

The HTTP Client truncated the request body if the body is larger than 30000 bytes for text/string bodies.

PSC00344734

HTTP classes in the ABL fail if the server uses NIO

PSC00344121

Method URI:Encode percent encodes using lowercase hexadecimal digits. According to RFC 3986 page 12, "For consistency, URI producers and normalizers should use uppercase hexadecimal digits for all percent-encodings.". URI:Encoding should be using uppercase hexadecimal digits for percent-encodings.

PSC00343882

When using the RequestBuilder to post a request, and setting the ContentType to "application/xml", one must absolutely provide an XML object (X-DOCUMENT widget handle) as the payload.

No such validation should occur and RequestBuilder should accept a generic Progress.Core.String as the payload regardless of the assigned ContentType.

For example:

```
oReq = RequestBuilder:Post('http://httpbin.org/post',  
                           new  
WidgetHandle(hXmlDoc))  
                           : ContentType('application/xml')  
                           :AcceptAll()
```

:Request.

The problem arises when a 3rd-party provider of a web service requires something slightly out-of-the-ordinary. UPS Quantum View requires the payload to be two concatenated XML documents and this is not possible with the forced validation.

The error that is returned when using a String is below:

Object '<xmlstring>' (of type OpenEdge.Core.String is not of type OpenEdge.Core.WidgetHandle

PSC00343353

=====  
Error 26 and 142 when starting the Data Administration tool while connected to more than 32 databases.

PSC00342893

=====  
If combo-box contains a question mark in one of its entries and .w file is saved, closed and reopened in AppBuilder or PDSOE, question mark (?) is quoted. The question mark ? is replaced with "?" and that collides with other quotes being used in the DEFINE VARIABLE phrase, so .w file then cannot be compiled until quotation marks are removed.

PSC00342545

=====  
If a database has a defined Security Administrator and it has Runtime Permissions Checking enabled, other users who do have admin rights but are not security admins can not load .df files. The admins for whom the .df load breaks can still modify the schema via data dictionary tool.

PSC00342466

=====  
Memory leak in several OpenEdge.Core & OpenEdge.Net classes including OpenEdge.Core.ByteBucket and OpenEdge.Net.ServerConnection.ClientSocket.

PSC00342462

=====  
Error (26) while trying to generate an incremental .df file in the Data Administration tool when the source database has more than 2048 tables.

PSC00342365

=====  
Error (12702) when connecting to a database from the Unix Data Dictionary if Disallow Blank UserId Connections is enabled

PSC00341672

---

Reconstruct Bad Load Records utility has not been updated to handle .d files larger than 2GB.

PSC00341124

---

Filter generated by TelerikPushNotificationMessageBuilder.cls is incorrect

PSC00333868

---

Various miscellaneous memory leaks were encountered when running OpenEdge.Net.HTTP code. This resulted in a significant memory leak in applications that call into this code repeatedly.

b. Adapter for SonicMQ

PSC00349366

---

User receives a warning message when calling beginSession procedure to start a connection to HornetQJMS using generic JMS adapter

PSC00341405

---

Clients seem to be randomly crashing when receiving a SonicMQ message.

c. AdminServer

PSC00347955

---

Enhancement PSC00249549, raised PICA from 8192 to 1000000 (10.2B08, 11.2, and 11.3)

The maximum value has not been raised in the AdminServer/OE Console:  
Invalid value for "Database service communication area size" property. Range is 4 .. 8192. Default is 64

PSC00336452

---

OpenEdge Management does not recognize / respect environment variable PROCFG.

PSC00308125

---

default and exceptions.log files do not follow WRKDIR

#### d. AppServer

PSC00350317

=====  
AppServer Agents crash when attempting to connect to an Oracle DataServer broker (command-line (\_probrkr) or Unified) with the Agent logging level (srvrLoggingLevel) set to 3.

PSC00348894

=====  
Slow network performance when making appserver calls in all unix machines.

PSC00347184

=====  
AppServer stuck in SENDING. Trying to delele file descriptor with bad file handle number.

PSC00345750

=====  
Unable to specify a domain on an ABL (apsv) connection to PASOE.

PSC00341977

=====  
AIX WPAR environment only, State-Reset Appserver agents lose connectivity with appserver broker. Broker errors (8127) (8119). Agent errors (9407) and (140).

#### e. Command Line Tools

PSC00344492

=====  
certutil -list will not display all certificates in certstore if one of the certificate hash file names is greater than 8 characters before the .0.

PSC00344445

=====  
amdsrv /remove fails in 32bit OE installation

#### f. DATASERVER

PSC00354436

=====  
CRC different when .df imported having schema-image connected versus disconnected

PSC00353200

---

Protrace generated with exclusive-lock preceded by no-lock in find statement

PSC00352789

---

Query with OUTER-JOIN crashes client on compile/syntax check with DataServer for Oracle.

PSC00352476

---

When a table has array fields in it and it's pushed to Oracle, a field is created for every array element. Therefore tables with a number of arrays may tend to create in excess of 250 fields in the Oracle database.

When a query is executed against such a table from an ABL client that uses the FIELDS phrase, it results in the following error unless the -znoposirc parameter is used, then it works fine.

The error is below:

Field 11 from ced\_facil record (recid -380) was missing from FIELDS phrase.  
(3782)

PSC00352474

---

When running r-code while using the -znoposirc parameter the session crashes.

The following stack trace may be seen in protrace or DMP file analysis:

```
scBuildSignature  
scrcode_to_flds  
rnreloc  
rnproc_entry
```

PSC00352309

---

When trying to update/add table definitions from Oracle to schema holder, the process aborts when it encounters an invalid object instead of skipping the invalid objects and continue adding/updating remaining objects.

PSC00351769

---

Issues to find records in MS SQL DataServer without NO-LOCK when MS SQL Database has collation as Latin1\_General\_CI\_AI

PSC00351222

=====  
System error 6227 on CAN-FIND.

PSC00350763  
=====

When querying a table that has multiple DATE fields in it (which are split into Date and Time portions by the DataServer), the time portion will have the same value for all fields in the record despite the times being different in the Oracle database table.

PSC00350553  
=====

ORACLE error -907, \*\* missing right parenthesis, occurs when executing a query that reference 2+ fields in its WHERE clause, one of which is referenced in a BEGINS operator.

PSC00349635  
=====

Table null qualifier in .df causes schema migration to fail.

PSC00349342  
=====

OUTER-JOIN query returns error ORA-0905 when FOREIGN-OWNER is not defined in the Dataserver schema for the table OUTER-JOINED.

PSC00348546  
=====

Customer is not able to run REPOSITION-TO-ROWID method more than once to the same rowids as the sessions crashes when trying to run the method by a second time. The join query involves temp-table and oracle table.

PSC00348458  
=====

The presence of extent fields in a dynamic query join causes the client to hang.

PSC00348392  
=====

Query with large WHERE clause fails to compile with errors 1458 or 1453 against DataServer products. The same query compiles as expected against an OpenEdge database.

PSC00347822  
=====

In OE 11.6.1 QUERY-TUNING HINT in a static query returns an empty string on Windows or random characters on Linux. The behaviour does not occur in 11.3.

PSC00347050

=====  
DataServer crashes on FIND EXCLUSIVE-LOCK NO-ERROR NO-WAIT.

PSC00346949

=====  
Oracle DataServer uses incorrect owner schema

PSC00346185

=====  
MS SQL server data server Invalid cursor error upon Indexed reposition

PSC00346183

=====  
Session crashes on index-reposition

PSC00346096

=====  
Error 1397 and 4212 occur during DataServer undo operation

PSC00345639

=====  
Dynamic query running against DataServer for MS SQL Server returns the wrong results when joining on an array element.

PSC00345570

=====  
Dynamic query with OUTER-JOIN returns the wrong number of records using the Oracle DataServer

PSC00344532

=====  
Character Client does not raise warning message for failed table pull with DataServer for Oracle.

PSC00343737

=====  
Oracle Dataserver doesn't recognize database disconnection with CAN-FIND

PSC00343644

=====  
COPY-LOB corrupts schema XSD output when copying from a longchar in a UTF-8 session connected to the Oracle dataserver using NLS\_LANG=.AL32UTF8

PSC00343525

=====

Connection attempt fails with error ORA-01017: invalid username/password; logon denied when using an encrypted password and the oech1:: specification with DataServer for Oracle.

PSC00343437

=====

Oracle DataServer generates SELECT statements that have an invalid syntax near the OR phrase.

PSC00343349

=====

A joined FOR EACH (or OPEN QUERY) statement with a WHERE Variable = ? OR DB-Field = Variable will return the following error

[Microsoft][SQL Server Native Client <version>][SQL Server]Incorrect syntax near the keyword 'OR'.

PSC00342972

=====

Query using FIRST\_ROWS hint fails in OpenEdge 11 when executed with a client-side join.

PSC00342501

=====

Dynamic query with many tables get missing field error when all fields are in field list

PSC00342413

=====

Memory allocation failure reported from the SQL Server Native Driver after running an ABL code with large transaction scope.

PSC00342402

=====

COPY-LOB corrupts schema XSD output when copying from a longchar in a UTF-8 session connected to the Oracle dataserver using NLS\_LANG=.AL32UTF8.

PSC00341960

=====

pro2ora created a character field as NCLOB instead of LONG if the character field size is 2000 or more.  
field detail:

ADD FIELD "NAME" OF "NAME" AS character  
DESCRIPTION "NAME"  
FORMAT "X(16000)"

PSC00341946

=====  
Static query with FIELDS return error 3782 using \_probrkr with DataServer for  
Oracle when there is a client selection

PSC00341777

=====  
Oracle single-shot server-side query very slow compared to the same query  
executed with server-side joins disabled.

PSC00341729

=====  
protrace generated with dynamic query with 11.4.0.026 on solari64 and hpuxia64

PSC00341715

=====  
ORACLE errors due to extra characters being generated in SQL query by the  
DataServer.

PSC00341428

=====  
ORACLE error -907 see "ORACLE Error Messages and Codes Manual". (1252) -- \*\*  
missing right parenthesis

PSC00340518

=====  
Get a system error 49 when using OF, but if you put the fields instead of the  
OF, then it works fine:

find first WLGM no-lock.

for each usergroup where domain = "Domain1" no-lock,

first UserWLGM of WLGM

where UserWLGM.ActUserID = UserGroupD.UserGroup

no-lock:

message "yes".

end

PSC00339675

=====

When using a dynamic query that features a LOOKUP function against DataServer for Oracle, the LOOKUP is not taken into account and the result-set is not filtered.

PSC00336319

=====

In the OpenEdge 11.5 DataServer for Oracle, table 30 (Required Oracle permissions) contains two errors :

\* sys.ccol1\$ while it should read: sys.ccol\$

\* sys.link\$1 while it should read: sys.link\$ (1 should be in superscript)

These entries in the table were fixed.

PSC00336284

=====

Dumped .df from an Oracle schema holder gets corrupted and can't be loaded back to a new wmpy database.

PSC00335463

=====

Non-standard LOGICAL default values are not migrated as Constraints with the OpenEdge DB to MS SQL Server utility (PRO2MSS). Default values for such fields are omitted.

PSC00333127

=====

Error 1436 when compilation foreign owner is different than run time foreign owner.

PSC00332262

=====

Incomplete sql generated for an outer join query having OF and WHERE clauses - Oracle error "933-\*\* SQL command not properly ended".

PSC00332261

=====

ORACLE error -936 can occur due to incorrect SQL generated for an outer join query having OR condition, OF and WHERE clauses.

PSC00332199

=====

Oracle error "933-\*\* SQL command not properly ended" when WHERE and OF phrases are used in outer join query.

PSC00332186

=====

Oracle error "920-invalid relational operator" when WHERE clause filter has additional parenthesis around predicate of an outer join query.

PSC00332162

=====

Oracle error "904-Invalid Identifier" when outer join query having WHERE clause with additional brackets.

PSC00332161

=====

Oracle error "907-\*\* missing right parenthesis" is getting displayed when WHERE clause filter has additional parenthesis for an outer join query.

PSC00332158

=====

Incorrect SQL generated with OUTER JOIN queries that contain OR condition in the WHERE clause.

PSC00332138

=====

Single shot join query with OR condition in WHERE clause is giving Oracle error 936-\*\* missing expression

PSC00332136

=====

Oracle error "936-missing expression" when use WHERE clause filter with additional parentheses in a single shot join query.

PSC00332135

=====

Oracle error when use character datatype fields and additional parentheses in a single shot join query.

PSC00332134

=====

Oracle error "1008-not all variables bound" when add additional parentheses to a WHERE clause filter of a single shot join queries

PSC00330379

=====

ABL client crashes when join with dynamic query GET NEXT with EXCLUSIVE-LOCK running against MS SQL Server DataServer.

PSC00329702

Oracle error -918 (column ambiguously defined) when running a join query in OpenEdge 11.

PSC00329290

Outer join query with multiple WHERE and OF phrase is crashed with protrace.

PSC00329088

Oracle error -933 when use OR condition and OUTER-JOIN in Open Query.

PSC00328066

"ORACLE error-1008 - not all variables bound" error with 3level join query.

PSC00325714

Incorrect parameter binding causes error ORA-01007 in application when using the default -c.

PSC00322883

Foreign owner in query's inner select is different from Oracle user name used in SchemaHolder connection string.

PSC00322751

Executing dynamic query, referencing 2 separate tables, via DataServer for Oracle returns the wrong results due to incorrect ORDER BY clause

PSC00315200

Oracle DataServer trims the white spaces from the varchar2 characters when retrieved from oracle using stored procedure call.

PSC00314885

DataServer for Oracle generates a SQL statement that uses the wrong parameter in a sub-SELECT statement resulting in an Oracle error. Disabling server-side joins (NO-JOIN-BY-SQLDB) avoids the issue.

PSC00313797

---

---

Oracle DataServer returns error ORA-1008 "Not all variables bound" on nested FOR EACH...WHERE...FIRST clause

PSC00312183

---

---

If the port range for \_probrkr is 5 digits for -dsminport and -dsmaxpoort, ABL client shows error 5049 during the connection to foreign database. The \_probrkr starts fine but when client tries to connect using the \_probrkr to foreign database, it gives the error.

PSC00310780

---

---

Oracle DataServer generates wrong SQL query with missing bracket.

PSC00305727

---

---

Incorrect results with single shot ABL query when the query has both USE-INDEX and BY clause.

PSC00288880

---

---

Executing a FOR EACH ..., OF, query where the WHERE clause on the second table contains an OR operator does not all results.

PSC00261840

---

---

Updating a logical database field using Oracle Dataserver gets the following error:  
\*\* Input value: <input> should be <yes/no>. (87)

PSC00209281

---

---

OE blob field is created as not null on Oracle when using protoora. The Oracle Guide is modified and this information is updated in the "Preparing a database for the utility" section in Chapter 7.

g. DB

PSC00355202

---

---

IDXBuild fails when using -datascanthreads with any value higher than 1.

PSC00355005

=====

STS remote connection request can cause database server to fail and crash if the database is auditing enabled and if there is a user holding an exclusive table lock on \_Db (usually doing schema changes) due to locking conflict.

PSC00354391

=====

A database running with -B2 crashes with error (1040) SYSTEM ERROR: Not enough database buffers (-B)

PSC00353905

=====

find unique BEGINS statement on multi-component unique index returns a value when it should return ambiguous.

When using 64 bit rowids or global indexes of table partitioning the BEGINS does not properly identify exact matches returning value when it should not and is not returning values when it should.

PSC00353516

=====

dbtool option 3 (record validation) issues superfluous "ERROR - skip tables expected offset" for valid records that have more than 16 fields but no associated skip table.

PSC00353500

=====

Calling a CAN-FIND statement causes the \_mprosrv process to eat up 100% of cpu indefinitely and locks up the client during this process.

This issue occurs on unique indexes where previous entries matching the BEGINS criteria have been deleted.

When the problem occurs the client is locked and cannot be killed short of 'kill -9'. The \_mprosrv stack trace (using progetstack several times) indicates that the process is spinning in the index manager.

PSC00353232

=====

DBTOOL, 6 Record Fixup reports LOBS LT 10 bytes:  
Warning - first record fragment of <recid> area <area> is only 9 bytes, LOB 1.

This is a false warning, therefore it cannot be fixed either by dbtool, D&L or re-importing the LOB.

PSC00353090

=====

When converting the codepage of a database where auditing has been disabled, proutil -C convchar convert utf-8 on a 1252 database errors with (14323), (3970), (3968), (3943)

PSC00352822

=====

When using the -basetable or -baseindex parameters, queries against the \_tablestat or \_indexstat tables respectively will return incorrect records.

PSC00352111

=====

Using the move schema utility (mvsch) in 11.6 can corrupt 'special' schema indexes.

'special' schema is present when any of the following features are enabled:

- Auditing
- Key events
- Transparent Data Encryption

The problem was introduced in version 11.6.0 and is present in the service packs.

It is fixed in hotfix 11.6.3.011 and 11.7.0

PSC00351720

=====

When using auditing, the user sees the following error messages from any record create/update/delete operation:

Not enough room in auditing record  
Failed to put field 14 in table -300

If the caller is an ABL client, the user will also see the following error, then a core dump:

SYSTEM ERROR: rmmak failed, retcode=-1 (1106)

The calculation for splitting the audit data to multiple records is incorrect, in some cases resulting in trying to write to a single record when it should have been split.

PSC00350688

=====

There is an issue with indexes that span the 32/64-bit boundary.

You are vulnerable if the High Water Mark of the area containing the index is above 2 gig. To determine your HWM, use prostrct statistics on areas containing indexes.

If the number of active blocks listed by the prostrct statistics for an index

area is greater than  $(2^{31} / [\text{area records per block}])$  the area is susceptible to this defect.

Error messages that indicate that you may have the issue include:

SYSTEM ERROR: Attempt to read block 0 which does not exist in area <area number>, database <path/dbname>. (210) (14684)

SYSTEM ERROR: Index x (table-name,index-name): couldn't find key <nnnnnn> recid nnnnnnnnn (8783)

If you are vulnerable, you can determine if you actually have the problem by using index check option 3.

PSC00350589

=====

After moving table data to another partition, the original composite initial partition still shows the same amount of records when using proutil databaseName -C partitionmanage view table theTableName status

PSC00350208

=====

Database not accepting shared memory(mpro) connections returning error 49 when connecting to a database with large -B

PSC00350171

=====

Enabling Table Partitioning on a database that already has Auditing enabled causes problems when the Table Partitioning auditing event is not already loaded into the database. The Enable Table Partitioning command does not issue any errors, but it does not appropriately cope with the missing auditing event.

Subsequent commands using the BI are affected, including truncate, idxbuild, and proserve.

To work around this issue, perform the following steps by loading of the auditing events and enable Table Partitioning by:

- 1) Disable Auditing
- 2) Enable Auditing
- 3) Enable Table Partitioning

PSC00349896

=====

Using mvscsh on LOB data returns 'Failure in large object operation, error = -8'

PSC00349765

=====

It may occur that a JTA enabled database, that has pending transactions when it crashes, is not able to be restart, showing the message:

BROKER: rLockApply: failed to acquire lock ret -1217 1

PSC00348776

=====

When analyzing records containing LOB fields, an error similar to the following is raised:

SYSTEM ERROR: Unexpected error -16 from recGet\*lobLocator table 4 ptn 0 ppos 5 lobObjId 7480621 (18152)

PSC00348482

=====

auditreconfig command to relocate audit tables is not returning and consuming 25-30% CPU.

PSC00347999

=====

PROREST -verbose output reports estimates of negative time and negative percent complete. In spite of these the backup volume is restored. This occurs in the 11.6.x release.

PSC00347545

=====

On a replication-enabled database, executing prostrict builddb, followed by an index build, the index build will crash with a memory violation error (49).

PSC00346416

=====

After a bulk load operation, the proutil -C idxbuild does not detect inactive indexes if choosing "By Activation" then by "Choose inactive indexes".

PSC00346392

=====

When using object level assignments to the alternate buffer pool (-B2) the number of buffers actually put into the alternate buffer pool is larger than the collective size of the objects.

PSC00345401

=====

When dbtool option 3 encounters a corrupt record with a negative rowid, the database crashes during WDOG cleanup.

PSC00345397

=====  
dbtool option 3 returns inconsistent results when validating by single table or area versus validating all tables.

PSC00341928  
=====

Old free blocks (created with version 9 of Progress) may have issues with incorrect checksum errors due to an older issue with block format differences from a version 9 database.

Free blocks with checksum issues should therefore be ignored when being read.

PSC00341209  
=====

There is a difference in behavior when building word indexes. idxbuild, idxfix, and mtidxbuild build empty word indexes. However mtidxbuild does not turn on the active bit in the schema if the index for a non-empty table is empty.

The index can be activated:  
    online using idxactivate  
    offline using idxbuild or idxfix

PSC00314434  
=====

After running the code page conversion process the database's .lk file is left behind

PSC00259124  
=====

DBTOOL reports a SQL width error where none exists, for a table containing extended characters (e.g. Chinese) where the number of characters is equal to the current SQL width.

PSC00207159  
=====

Binary load table with UTF-8 CLOB crashes session

\*\*\*\*\*

When attempting to binary load a table which contains a UTF-8 CLOB the binary load session crashes

h. Diagnostics

PSC00345627  
=====

OpenEdge Debugger can't find or create the debug listing for an r-code file an error is thrown in the program being debugged.

Stepping into a method call with no source or debug listing file available, while attached to a remote process in the debugger, causes the method to return error.

PSC00341949

---

When a source code file includes an encrypted include file and the include reference is preceded by one or more spaces, the debugger source code pane truncates the debug listing near the end of the encrypted source.

i. Doc

PSC00343201

---

The -SQLLockWaitTimeout parameter is now documented in the 11.7 version of the OpenEdge Data Management: Database Administration guide and the OpenEdge Deployment: Startup Command and Parameter Reference guide.

PSC00206069

---

Dataset/Temp-Table method doc should mention buffer state

\*\*\*\*\*

When executing one of the following methods on a temp-table or ProDataSet, and the default buffer of one of the contained temp-tables is available, there is no guarantee as to the state of that buffer after the method has finished executing:

WRITE-XML

READ-XML

FILL

SAVE

Any Reject/Accept type activity

The default buffer is needed for read/create/write operations and its momentary contents are not guaranteed after the operation is completed.

For example, table contents before and after execution of the WRITE-XML method should be the same. However, when using the default buffer to handle the write, its position and state are not guaranteed. A named buffer should be used if there is any expectation of buffer availability after the method completes.

For the other methods listed above, there is no guarantee that the temp-table is going to contain the same data afterward, so no such expectation is even considered reasonable.

j. GUI

PSC00351285

=====  
A fill-in-field loses its cursor position when it has a VALUE-CHANGED trigger code block that "applies" a VALUE-CHANGED event to another fill-in field.

PSC00350940  
=====

The VALUE-CHANGED event is not generated when navigating between rows in a browse by using the up and down arrow keys if the application uses the APPLY statement to apply the "ENTRY" event to another widget in a ROW-LEAVE trigger.

PSC00350017  
=====

When enabling a browse widget with a title bar, the title bar may be shown as active before applying ENTRY to it. This can result in situations in which multiple browse widgets appear to be active at the same time.

PSC00349480  
=====

Using LOAD-IMAGE to get image from URL writes a temp-file to the Working Directory, not the Temporary Folder when specified.

PSC00348773  
=====

Client might crash when closing a window, while processing the HIDE FRAME statement if the frame is already hidden.

PSC00348738  
=====

GUI client may crash session when you type value into a numeric fill-in when the cursor is at the end of the fill-in.

PSC00348144  
=====

The Procedure Editor may prompt the user to save changes when closing a file immediately after the file has been saved. The file is saved to disk properly but the editor incorrectly considers it to still be modified.

PSC00345658  
=====

Dynamics toolbar filter folder pages are not populated with data until the pages are switched.

PSC00345501  
=====

ABL: The LEAVE event does not fire for the fill-in with focus when the UPDATE EDITING statement ends because the GO event occurred.

PSC00345264

---

If using `-cpinternal UTF-8`, or a `-cpinternal` that does not match the non-Unicode codepage configured for Windows, runtime errors returned from a COM object may contain garbage characters. This happens when the COM error string contains non-ASCII characters. For example, a COM error from a German Windows installation may appear garbled with `-cpinternal UTF-8`.

PSC00345082

---

The 64-bit GUI client fails to load an external `.DLL` in the current working directory, generating error 3258. This occurs when the current working directory is not in the `PATH` environment variable.

PSC00342291

---

When data in a combo-box field in a browse is deleted the previous value is restored when leaving the row.

PSC00341899

---

Sub program containing `.ocx` (for example the Progress `PsTimer`) goes to the background when launching a dialog box. This happens when AppBuilder generated code is edited, `LoadControls` is not executed from within the `Control_Load` procedure generated by AppBuilder, but in the `enable_UI`. If the dialog box containing `.ocx` is opened from the subprogram, it causes another window of the application to come to the foreground and the dialog box is parented to the wrong window.

PSC00329658

---

Application crashes on closure after calling specific procedures that involve using `REFERENCE-ONLY Datasets` and `Temp-Tables`.

PSC00296663

---

The Help button on alert boxes sometimes fails to display the dialog box showing the current ABL stack trace when the Debug Alert (`-debugalert`) feature is used in a GUI for `.NET` application.

k. Install

PSC00349235

---

Silent install of PAS Developer license fails to install PAS.

PSC00347218

---

The Windows Registry Key is not created when only Web Services Adapter (WSA) is installed.

PSC00346194

---

Cannot select OpenEdge Management install folder when adding a product which contains OEM to a prior installation that does not contain OEM.

PSC00342601

---

Uninstalling Shared Network Install incorrectly deletes ODBC driver files from DLC\bin from the main OpenEdge installation on the remote machine.

1. LANG

PSC00355233

---

When using a DataSet as the data source for the ProBindingSource bound to a List & Label control, and using the reportMode feature of ProBindingSource, if the DataSet has a 3 level (or more) hierarchy, data from the third (or 4th...) table will be missing from the generated report.

PSC00354941

---

Process may hang or crash if SAX-WRITER writes to longchar or memptr, and object is not deleted before longchar/memptr gets out of scope.

PSC00354149

---

Error 9245 "Unable to memory map procedure library <library name>. System call: mmap. Error number: 12." occurs when attempting to use a memory-mapped procedure library with the Progress AppServer for OpenEdge (PASOE) on the HPUX platform.

PSC00354138

---

Client hung with asynchronous call to malloc on Linux. This can be triggered by sending multiple signals to the process in a very short space of time.

PSC00353987

---

SYSTEM ERROR: bfposto: position timestamp when using a GUI Browser and remove

all rows from one or more tables associated with the query.  
To avoid this issue, reopen the query after removing the row.

PSC00353835

=====

If `prowin.exe.manifest` or `prowin32.exe.manifest` is missing or corrupt, tooltips will not display.

PSC00353483

=====

Passing in a blank string as filename to OS-DELETE is handled as an attempt to delete the current working directory.

With the RECURSIVE option that tries to delete all files within the working directory, which is likely to contain application code or other important files.

PSC00353314

=====

If a unique FIND ... WHERE <field> BEGINS "string" operator finds a unique, exact match for the "string", it's supposed to return that record even if there's other non-exact matches that qualify for the BEGINS operator. See also <http://knowledgebase.progress.com/articles/Article/P13261>. This applies only if the BEGINS field is the last component of an index. If it is not the last component of the index, then an ambiguous result will be returned, even if one record exactly matches the BEGINS field.

This behaviour was inconsistent for databases with an ICU collation. For an ICU collation, if the BEGINS field was not the last component of the index, an exact match would be returned if one existed, instead of the ambiguous result.

PSC00353108

=====

ABL session may crash when running code that passes a dataset as an OUTPUT parameter with the BIND option to multiple nested calls.

PSC00353011

=====

Serialize-hidden attribute on the only temp-table field in a dataset omits temp-table name from json output.

PSC00352775

=====

AppServer agent memory consumption increases when running a request with an input-output dataset parameter and the value passed is not set (unknown value).

PSC00352671

=====  
In some cases, using -IOEverywhere 0 startup parameter causes WAIT-FOR ...  
PAUSE to break - the pause phrase isn't honored and the code continues  
immediately.

PSC00352494

=====  
Compiler fails to detect when the same buffer name is specified twice in the  
DO/REPEAT FOR phrase.  
Instead it will raise an ambiguity error "\*\*\* <field> is ambiguous with  
<buffer>.<field> and <buffer>.<field> (72)" later when a unqualified reference  
to that buffer is made inside the block.

PSC00352161

=====  
The -noroutineinwhere parameter does not catch some cases such as properties  
with implementation or x:y types of expressions.

PSC00352138

=====  
The character client (\_progres) may crash if there are no sensitive widgets in  
the session.

PSC00352127

=====  
When connected as a super-tenant to a multi-tenant database and executing ABL  
code which contains query with nested TENANT-WHERE / SET-EFFECTIVE-TENANT  
clauses, \_Tenant records get locked, they are not released automatically and  
can not be edited / deleted.

PSC00351966

=====  
Deleting a class object that contains temp-tables may cause a session crash  
when the temp table archive logging is enabled.

PSC00351903

=====  
Compiling large numbers of programs at once may cause a system error.

PSC00351562

=====  
"SYSTEM ERROR: Illegal Instruction (47)" when multiple web applications are  
called concurrently using the SOAP transport on PASOE.  
The XML parser implementation on the agent was not thread safe, potentially  
causing a race condition situation when several client sessions were being  
served by the same agent process.

PSC00351416

---

---

The ASSIGN FRAME <frame name> <field name> ... statement causes unnecessary index updates, if an indexed field is included in the statement but the value was not modified in the UI.

The most noticeable effect of this is that it can make a FIND not locate the record for a moment (a few milliseconds) in other sessions, leading to concurrency and congruence issues. This is specific to updates in the ASSIGN statement with the FRAME phrase.

PSC00351413

---

---

Trying to add a JSONObject to a JSONObject created from a dataset via the read method might cause the following error: "...Can not add a construct to its ancestor (16072)".

PSC00351394

---

---

Data may not be returned if you run a query as Super Tenant where a Multi-tenant table is joint with a non-multi-tenant table. For example, assuming Order is a multi-tenant table and Customer is not:

```
OPEN QUERY q FOR EACH Order TENANT-WHERE TENANT-ID() GT 0
NO-LOCK, EACH Customer OF Order.
```

PSC00351219

---

---

When copying CLOBDB data from the database to LONGCHAR variables, the longchar final code page after the copy should be the code page specified by -cpinternal or the fixed codepage. But the longchar code page is set to the original CLOBDB code page.

PSC00350793

---

---

If compiling ABL code against a database with an ICU collation, the compiler will fail to detect an ambiguous field reference if the following are true:

- the field reference is not qualified with a table name
- the field reference is an exact match for a field in one table
- the field reference is a partial match for a field in at least one other table

This results in the compiler selecting the field that is the exact match, when instead it should return an error similar to the following:

```
** baz is ambiguous with Foo.Baz and Bar.Baz_and_more (72)
```

PSC00350726

=====  
A crash occurs when wrapping up an internal procedure which defines and instantiates FRAME widgets that contain widgets which have triggers defined, all of which was defined within the internal procedure.

For instance(pseudo-code):

```
PROCEDURE testProc:  
  DEFINE BUTTON btnOne LABEL "One".  
  DEFINE BUTTON btnTwo LABEL "Two".  
  
  DEFINE FRAME testFrame btnOne btnTwo.  
  
  ON CHOOSE OF btnOne IN FRAME testFrame DO:  
    // Do some stuff  
  END.  
  
  ON CHOOSE OF btnTwo IN FRAME testFrame DO:  
    // Do some stuff  
  END.  
  
  UPDATE btnOne btnTwo IN FRAME testFrame.  
END PROCEDURE.    <-- Crash occurs here
```

PSC00350673

=====  
Using READ-XML to read data into a DATASET is causing an extra blank record to be created in a TEMP-TABLE whose XML-NODE-NAME is the same as the DATASET's XML-NODE-NAME after upgrading to 11.6.1. Prior to 11.6.1 the problem did not occur.

PSC00350651

=====  
Japanese half-width characters generate error 142 when assigned to a longchar.

PSC00350591

=====  
A class that references it's own static members using unqualified references (meaning: just the property/method name without the type name) fails to compile, if it also defines a temp-table where one of the field names is an (abbreviated) match for the class name.

PSC00350571

=====  
Using a clob field as source in READ-JSON crashes the AVM.

PSC00350536

=====  
A PAUSE statement that shows a message (including the default one) will trigger

error "SYSTEM ERROR: -s exceeded. Raising STOP condition ... . (5635)" if there's no window with a status-area visible to display the message.

This is only seen under specific circumstances, if the PAUSE is in a repeating block that executes the REPOSITION statement.

PSC00350518

=====

Enum input parameter to method gives error "Usecount of the segment is <= 0 (14347)" when current-language is changed in the session.

PSC00350332

=====

When a buffer is defined via DEFINE BUFFER and added to a browse, the BUFFER-FIELD attribute of the browser's column will return the unknown value if the DEFINE BUFFER statement is not preceded by any other definition (variable, etc).

PSC00350164

=====

Progress.Json.ObjectModel.ObjectModelParser.Parse() does not display an error message about an invalid empty string if the empty string is a LONGCHAR in a codepage that is not supported. An error message about invalid encoding is incorrectly displayed instead.

PSC00349770

=====

Standard ABL .w window code is not generated using AppBuilder, so ON END-ERROR trigger is missing. .NET form is used, so ABL "WAIT-FOR CLOSE OF THIS-PROCEDURE" is replaced by .Net WAIT-FOR "WAIT-FOR System.Windows.Forms.Application.Run()". When running mentioned ABL .w window and hitting Esc key, application hangs and window is not responsive.

PSC00349763

=====

Defining a local buffer for a reference-only temp-table that has the same name as the temp-table / the temp-table's default buffer doesn't work correctly. The code will compile fine, but at runtime the routine defining the local buffer will raise error:

"Attempt to reference uninitialized temp-table. (12378)"

on the first buffer reference, even when the temp-table is bound to an actual instance at that time (via BIND or BY-REFERENCE parameter).

PSC00349690

=====

When a procedure is run from a memory-mapped procedure library and the profiler is enabled, the application crashes. If the profiler is disabled but the memory-mapped procedure library is used, the application runs successfully. If the profiler is either enabled or disabled and a non-memory-mapped procedure library is used, the application runs successfully.

KB 000064681 saws that this crashes but says little else (INCOMPLETE KB article)

PSC00349622

---

---

Syntax check in CATCH error block causes session crash

PSC00349147

---

---

A runtime error may occur when attempting to use SUPER to call an overloaded version of an ABSTRACT method.

PSC00348886

---

---

Client might crash after assigning a property with a body setter via the x:y syntax.

PSC00348674

---

---

When making a request of a external Web Service which returns a RAW value using MIME MultiPart Message encoding, the below error occurs followed by a client crash.

Error receiving Web Service Response: Input stream is empty. Cannot create XMLParser. (11773)

Stack trace shows as follows:

```
strcasecomp
HTMIMEParseSet_dispatch
HTMethod_deleteExtensionMethod
HTMethod_deleteExtensionMethod
HTFileInit
HTMethod_deleteExtensionMethod
Basic_proxyFilter
chttp_mem_init
HTHost_read
CHTTPStatus_new
HTHost_deleteNet
EventOrder_executeAndDelete
HTEventList_loop
request_ReceiveResponse
HttpRequest_f_receiveResponse
```

PSCInputMessage::getStatusCode  
WASP\_StubCallData::receive  
WASP\_DII\_Call::receiveImpl  
WASP\_DII\_Call::receive  
WASP\_AsyncReceipt::wait  
SOAPCall\_f\_receiveResponse  
cwsSetHandler  
cwsRun  
rncs\_run  
rnRunInRPC  
rnSetupRunIn  
rnrun

PSC00348610

=====

OE 10 database server might run into the following error when OE 11 clients are connected:

(15093) SYSTEM ERROR: This server has too many open cursors so the cursor creation attempt by user <n> at line 798 in /vobs\_rkt/src/glue/nsadb.c, msgcode 51, ROWID 0, table <n>, index <n>.

PSC00348484

=====

An idle AppServer agent may not exit after receiving a signal (SIGTERM, for instance) if it is connected to a database.

PSC00348445

=====

The EXPORT statement can fail to correctly write data for malformed multi-byte characters. This happens when the malformed data contains a byte that is interpreted as the lead-byte of a multi-byte character, but the rest of the data is shorter than the expected number of trail-bytes. Malformed data can be loaded in the AVM or database when deliberately circumventing the automatic codepage conversion provided by OpenEdge. This issue should not occur if codepages of input data are correctly identified.

PSC00348399

=====

Attempting to connect from an ABL client to a new Web Service that the government in Czechoslovakia has mandated all businesses use for collecting electronic receipts generates the following error:

Error loading WSDL document: 'mixed' attribute must not be used on the parent of 'xs:simpleContent' declaration (11748)

PSC00348169

=====

SAX-READER passes an UNKNOWN MEMPTR as a parameter to the CHARACTERS callback for XML node that contain Unicode (UTF-8) characters that do not exist in session codepage (-cpinternal)

PSC00347838

---

The client may crash if a frame's title is changed to a longer string at runtime and the frame is output to a file.

PSC00347811

---

Error 13128 is reported when trying to read XML that includes a relation name greater than 32 characters for a proDataSet.

PSC00347528

---

The ABL allows you to get a reference to an Abstract class using Progress.Lang.Class:GetClass and then call the New() method. This results in a usable class instance. This should not be possible as you should not be able to instantiate an Abstract class.

PSC00347434

---

Calling LOCALTIME function causes db crash

PSC00347235

---

An editable browse cell may contain extra whitespace after its screen value is modified programmatically. In some cases the extra whitespace will make the cell appear to be blank when the user double clicks to select text in the cell.

PSC00347026

---

4GL BROWSE widget is not working as expected in the combination with the FIND trigger and QUERY statement.

BROWSE widget displays duplicate records and when displaying record values from the BROWSE widget to another frame, synchronization is lost and other record from the BROWSE widget is displayed.  
If further logic depends on the row selected in the browse, that logic can get disrupted as well due to being presented with the wrong record(s).

PSC00346933

---

If a class defines a protected TEMP-TABLE using LIKE, and defines an index using one of the fields from the LIKE table that was also used in an index of the LIKE table itself, then a class inheriting from it will generate error

(12767) during instantiation.

PSC00346488

---

Shared memory client make an external SSL webservice call then timed out. several minutes later this client will get bkioread error.

PSC00346481

---

If an AppServer procedure that has an OUTPUT temp-table parameter for a dynamic temp-table uses both an unnamed widget pool and a FINALLY block which cleans up the dynamic objects, then the AppServer agent will hang in the RUNNING state.

PSC00346419

---

Trying to write a class inheriting from Progress.IO.InputStream causes error Parsing a large JSON file.

PSC00346310

---

The compiler currently prevents casting an object from some type to an interface while a dynamic-cast is working without problems.

PSC00346188

---

When compiling a class that uses a generic collection of primitive datatypes as a parameter, this can result in the error:

```
System.TypeLoadException: System.Collection.Generic.List'1[[5]]
```

PSC00346178

---

Querying the FRAME on a browse column handle causes error 4052 "FRAME is not a queryable attribute for <widget id>".

PSC00346146

---

BUFFER-COMPARE on old and new buffer with CLOB field in database write trigger crashes the client session.

PSC00345653

---

When some errors are returned by the OpenEdge.BusinessLogic.BusinessEntity abstract class, the error message is empty and the error number is 0.

PSC00345578

---

R-code MD5 calculation doesn't take into account changes in referenced class types that push compilation out of sync (ie. changes that'll trigger the error "Could not access element '<element>' of class '<class>' using object of type '<type>' - caller compilation is out of sync with class compilation. (12882)").

For example, if a called class outputs a TABLE parameter, where the caller uses a TABLE-HANDLE parameter instead. If the table schema in the called class changes, the r-code MD5 of the caller does not change. Another example is if the called class changes a parameter from CHAR to LONGCHAR or DATE to DATETIME (or any other "widening" data type match), the r-code MD5 of the caller does not change.

This means that using WebClient Application Assembler (and any custom-built tools that rely on this) won't package and redeploy recompiled r-code, and the above-mentioned error 12882 will show up after deployment on the user's machines.

PSC00345543

---

With a .NET form running, if you bring up a .NET dialog and then try to bring up an ABL dialog box the following error is raised:

Encountered an input-blocking statement while executing a user-defined function or non-void method: 'Run' that is invalid within the current runtime context.

PSC00345467

---

OpenEdge session on Linux / UNIX hangs after running the KEYFUNCTION function with integer value 32767.

PSC00345391

---

SERIALIZE-NAME option in DEFINE TEMP-TABLE statement does not handle blank spaces correctly.

PSC00345328

---

When passing an object to a method as an INPUT-OUTPUT parameter where the parameter is defined to receive an interface parameter, the runtime is unable to match the object instance that implements and is defined as the interface type when using DYNAMIC-INVOKE.

PSC00345298

---

Progress.Json.ObjectModel.JsonObject:Read() is different when using database

buffer and the temp-table buffer. Extra field in the JSON seen with the Database buffer.

PSC00345252

=====

The AppServer agent may crash if a serializable object is passed to the AppServer during a debugging session in the PDSOE.

PSC00345114

=====

The AVM crashes when executing ABL code that access large CHARACTER fields.

PSC00344996

=====

When attempting to delete a tenant from a MT database where SQL statistics are enabled, you may received a lock table overflow error that prevents the tenant from being deleted.

PSC00344994

=====

Passing a buffer handle for a database buffer to Progress.Json.ObjectModel.JsonObject:READ() method crashes the session, unless the method was called for a temp-table buffer before.

PSC00344993

=====

Calling a function within a super procedure which includes an error for violating the uniqueness constraint in assignment to a unique index will cause an access violation crash to occur when attempting to display the error message.

PSC00344970

=====

When V6Display mode is used with the 64-bit GUI Client (prowin.exe), text in enabled fill-ins may be cut off or completely invisible. This issue occurs only in frames with the THREE-D option.

PSC00344940

=====

An OpenEdge client can crash executing REPOSITION-TO-ROWID in the following circumstances:

- the query is a join across two or more tables
- the client has a client/server connection to the database
- the rowid given for one of the lower level tables in the join does not belong to a record of that table
- the WHERE clause on the lower level table requires selection-by-client (e.g.

WHERE TRUE)

PSC00344904

=====

The IMPORT statement will fail to upgrade the lock on a record from SHARE to EXCLUSIVE if importing a CLOB or BLOB. This could result in failures by other clients if updating the same LOB before the original client commits the transaction. This might result in the following error message:

Failed to update blob field. Could not delete existing blob. (11277)

This was introduced in 11.4. It will occur in the following circumstances:

- the record containing the LOB was locked with a SHARE lock
- the IMPORT statement is the first statement to update a field in a record, and it updates a LOB field.

PSC00344808

=====

version 11 client will crash when online schema change applied to version 10 DB. All version 10 client is not impacted.

PSC00344561

=====

The RUN statement cannot run a procedure which contains extended characters in its filename.

PSC00344505

=====

Temp-table undo attribute value over Appserver is not respected. All temp-tables passed to an Appserver are created as no-undo. All output parameters to the client will also be created as no-undo create by the client.

PSC00344402

=====

Reading an unformatted XML file into a dynamic prodataset with READ-XML doesn't work. Some nodes of the XML are missed. The problem does not happen when the XML file is formatted.

PSC00344222

=====

Webspeed agent may experience a memory violation crash if a cgi form variable name is greater than 32K. This can happen if input is improperly labeled as cgi form data when it is something else, e.g. and XML document.

PSC00344157

=====

Client logging can cause client to deadlock itself due to async signal handling

PSC00344031

---

WebSpeed agent terminates after processing SOAP response send with chunked transfer encoding

PSC00343807

---

The file names retrieved by INPUT FROM OS-DIR may be corrupted when the file names contain non-European characters and -cpinternal is UTF-8.

PSC00343788

---

The collation-sensitive MATCHES operator enabled by -collop 2 incorrectly matched substrings with different numbers of trailing spaces. For example, "a a" (with one space) MATCHES "\*"\*" (with two spaces) returned TRUE.

PSC00343527

---

Session crashes after running a write trigger after validation of the record already failed in a sub-transaction.

PSC00343489

---

Inconsistency assigning datetime-tz to datetime/date when SESSION:TIMEZONE set.

PSC00343411

---

The 64-Bit ABL COPY-LOB statement successfully copies a file (FILE ->MEMPTR->FILE) when the source file size is 4499999744 bytes but fails when the source file size 4500000768 bytes which is just 1KB larger.

PSC00343318

---

The message displayed by the MESSAGE UPDATE statement may be incorrectly truncated if its length in bytes is longer than its length in columns and the length in bytes exceeds the number of columns available to display the message in the message area.

PSC00343029

---

Using the HEX-DECODE function to assign a value directly to a specific address in a MEMPTR variable using the PUT-BYTES function causes a memory leak, followed fairly quickly by the following error:

Unable to allocate memory for result from function (12118)

Once this error is encountered, doing things that result in allocating memory

to MEMPTR variables, like selecting "Tools >> Data Dictionary", result in errors like the following:

DLL procedure GetWindowRect adeshar/\_taskbar.p using an uninitialized MEMPTR.  
(3233)

PSC00342867

=====

SUBSTITUTE may cause client to crash when substitution value is a large longchar value. Raising -s value may avoid the crash.

PSC00342586

=====

Session crashes on DELETE PROCEDURE THIS-PROCEDURE when the procedure contains temp-tables.

PSC00342507

=====

The READ-XML() method fails to read XML data when the XML-NODE-NAME of a temp-table member and the dataset name are the same value.

PSC00342409

=====

CHUI client(shared memory connection or client/server) crashing after enable auditing on a utf8 database under 64bit OE.  
works fine for 32bit OE

PSC00342313

=====

Attributes on the COMPILER system handle, such as NUM-MESSAGES and WARNING, are not set when XREF-XML is specified in the COMPILE statement.

PSC00342188

=====

A comparison of an object to the unknown value fails and causes the application to error with Invalid Handle, error number 3135. In 11.5 this works fine.

PSC00341954

=====

The file modification time shown in the Propath ProTool tool is based on UTC (Coordinated Universal Time) instead of the local system time zone.

PSC00341400

=====

When trying to process and XSD using bproxsdto4gl, it fails to parse XSDs containing nested elements of the same name. the result is error 13032:

XML Schema does not map to a dataset definition. (13106)  
Unable to create Temp-Table or dataset schema from XML Schema. (13032)

PSC00341334

=====  
If TODAY is used as the INITIAL of a NO-UNDO variable, then it is not adjusted for SESSION:TIMEZONE. This also applies to NO-UNDO variables with INITIAL NOW.

PSC00340741

=====  
Program calling to WedService is running out of file handles

PSC00340697

=====  
The ABL MATCHES operator does not support collations. MATCHES can fail to return expected matches when using UTF-8 collations.

PSC00339424

=====  
The WSDL Analyzer generates a Temp-Table and ProDataset definition with an empty namespace instead of the correct value.

PSC00338697

=====  
BUFFER parameter for PROTECTED TEMP-TABLE in a sub-class causes error 566 when it is the same name as the TEMP-TABLE in the base class.

PSC00337250

=====  
Using ADO Stream.Read method to copy data > 32K to a ADO.RecordSet VALUE fails in ABL with error 5890, "The parameter is incorrect". The equivalent VB6 code works as expected.

PSC00336543

=====  
Dynamic-call to SERIALIZE-ROW as a Widget Attribute of BUFFER Customer:HANDLE crashes with ACCESS\_VIOLATION

PSC00335231

=====  
A STOP/QUIT condition that occurs in a method that overrides OnKeyDown from .NET does not propagate up the call stack and then prevents further use of keys in the window.

PSC00334813

=====

RCODE-INFO:DB-REFERENCES and RCODE-INFO: TABLE-LIST is wrong if a subclass inherits a protected temp table definition from its super class.

The RCODE-INFO:TABLE-LIST attribute contains the string ".TXS" when there are no table references.

The RCODE-INFO:TABLE-CRC-LIST attribute also contains "0".

PSC00333220

=====

Removing process events slows the application start dramatically.

PSC00333190

=====

Possible error 49 at end of TRANSACTION block when an update to a no-undo temp-table failed in a previous transaction.

PSC00331033

=====

Error 891 is misleading if a code page conversion table has been added and the table has duplicate entries.

PSC00330934

=====

An integer property of the Progress.Lang.AppError class ("Severity") is allowed to be passed to a character parameter in a method. The received value in the method is the name of the Progress.Lang.AppError property.

PSC00330226

=====

If the ABL session's decimal separator isn't a period ( "." ),  
JsonObject:GetDecimal() and JsonArray:GetDecimal() ignore the decimal point in the JSON and return wrong values.

(Note that JSON standard enforces the period as decimal point.)

PSC00328668

=====

Calling a method that blocks by putting up a .NET dialog but is not in a WAIT-FOR statement can cause the application to hang when the dialog is dismissed.

PSC00327887

=====  
The performance of OOABL method calls is slow.

PSC00327727  
=====

Garbage collection doesn't work correctly for classes that have a frame definition. When there are no more references to the class the ABL garbage collector should run the destructor and remove the class. But this doesn't happen until the session is closed for a class that defines a frame.

PSC00327396  
=====

Performance degrades when repeatedly calling a method with a static input temp-table parameter, if the following is true:

- The class defining the method defines the temp-table without the REFERENCE-ONLY option
- The temp-table being passed in at runtime is passed as a dynamic table-handle BY-REFERENCE parameter.

PSC00326584  
=====

CURRENT-QUERY method returns ? when attempting to get query from a DataSet Relationship

PSC00326541  
=====

When you set FILE-INFO:FILE-NAME as UNC path:  
"\\ComputerName\SharedFolder\Folder\.", FILE-INFO:FULL-PATHNAME returns whole FILE-NAME attribute string, instead of full path to one directory up:  
\\ComputerName\SharedFolder

PSC00324066  
=====

Defining a dataset with a partial data-relation causes the session to crash.

PSC00322464  
=====

It is not possible to read an XML file with the READ-XML method into a dataset, if multiple dataset temp tables are defined with the same SERIALIZE-NAME attribute. The same applies for XML-NODE-NAME.

PSC00319819  
=====

Processing JSON via READ-JSON can cause the client to crash when the Table data is nested in the JSON files. If you un-nest the tables in the JSON file, it works fine.

PSC00316740

---

When a ProDataSet is passed as DATASET-HANDLE to the AppServer, the default SERIALIZE-NAME / XML-NODE-NAME attribute is lost. Any attempt to use WRITE-XML / WRITE-JSON on the ProDataSet results in an invalid XML / JSON document.

PSC00309885

---

When deleting a Web Services port type after deleting the service, an appropriate error is raised, however the memory from the request is not de-allocated, thus causing a memory leak.

PSC00309691

---

This problem happens when procedure A calls a static property in class B. Class B is inherited from class C. Classes B and C are compiled, but the r-code for C is removed and manual changes are made to it. When the call is made to the static property an error occurs which is caught as a Progress.Lang.SysError, but there is no error message available. The following error was expected: 'compilation is out of date (12882)'.

PSC00305778

---

A client with a non-UTF-8 -cpinternal can connect to a UTF-8 database and access records that contain characters that are not in the client's codepage. For example, characters in codepage 1251 can exist in a UTF-8 database and a client using -cpinternal 1252 can access these records. If such characters are in an indexed field, the -cpinternal 1252 client will get the following error when trying to delete such a record :  
Index %s in %s for recid %j could not be deleted.(1422)  
See Article 000051254

PSC00300893

---

The ABL COPY-LOB statement successfully copies a file (FILE ->MEMPTR->FILE) when the source file size is 4499999744 bytes but fails with the error listed below when the source file size 4500000768 bytes which is just 1KB larger.

File offset plus copy length is greater than size of file for ". (11330)

PSC00297700

---

The WSDL Analyzer does not support all required values for the final attribute within a simple type definition. Instead it throws error 11748.

PSC00287796

---

OS-RENAME fails with OS-ERROR 999 when renaming a file and moving it across partitions, e.g. from C:/tmp to D:/tmp.

PSC00261276

---

---

Hiding the browse widget in a SmartDataBrowser object causes the linked SmartDataObject to reposition to the wrong row. In this case, the SDO is repositioned using the rowidWhere and fetchRowIdent functions.

PSC00245389

---

---

Tilde in include file named arguments breaks preprocess listing

\*\*\*\*\*

When using the tilde character in include file named argument values, this can break the preprocess listing in OpenEdge 11.

PSC00204238

---

---

The SET-READ-RESPONSE-PROCEDURE method may cause a memory leak if you call it more than once for a given socket object that has not been deleted (such as in a loop that connects, process and disconnects the socket).

PSC00184174

---

---

The 4GL SEEK function does not return expected values when importing from a UTF-16 file. It will always return the offset for the end-of-file.

m. Management

PSC00354676

---

---

dbagent crashes if hostname is longer than 32 characters

PSC00353758

---

---

Errors running Database Analysis Job from a template

PSC00353642

---

---

OpenEdge Management incorrectly shows scripted database background writer status as not licensed

PSC00352898

=====  
Getting error 500 publishing REST service from Developer Studio to PASOE.

PSC00352444  
=====

Logfile viewer page in OEM does not provide breadcrumb link to return to screen which lead to logfile viewer page.

PSC00351738  
=====

A failure Alert fires every Poll once an Average Procedure Duration High monitored procedure is executed, when:

- the monitored procedure does not exceed the threshold, or
- the monitored procedure is not run within the Poll interval

PSC00351490  
=====

Modifying transport enabled or disable options in OpenEdge Explorer / Management after modifying other Progress Next Generation AppServer setting then saving changes from the the Progress Application Server ABL application configuration page when the server is not running may result in a corrupted openedge.properties file.

PSC00351147  
=====

NoFileDefinition and LogFileNotFound in OEM alert during Admin server startup

PSC00351031  
=====

The base index number and base table number input fields for database configurations do not accept negative values.

PSC00350970  
=====

SSL error 12056 when connecting client to TLSv1 enabled database

PSC00350928  
=====

Multiple script injection and cross site scripting (XSS) vulnerabilities were found in OpenEdge Management

PSC00350419  
=====

A CPU resource for which the actual CPU is no longer visible to OpenEdge Management cannot be disabled.

PSC00350363

=====

If a job is scheduled so that one run overlaps the next run, the first task object will never be marked as terminated properly, and trending for the job will never update properly. Due to this the user will see some of the job runs always in running state.

PSC00350249

=====

file selection for .paar files for PASOE rest deployment in OpenEdge Management does not parse file names properly when suggesting a name for the service

PSC00349785

=====

The large number of CPU cores is triggering a massive over allocation of memory by OrientDB library due to a memory allocation scheme that is unbounded, and is based on the number of cores available to the JVM.

PSC00349740

=====

Shutdown of AdminServer can hang if remote Web Services Adapter ping requests initiated from OpenEdge Management fail to terminate.

PSC00349280

=====

OEM child shared collection cannot be modified nor removed

PSC00348731

=====

WS\_AgentUnavailable rule fires multiple alerts although the agents are available

PSC00348717

=====

In the ABL Web App page, clicking the link to the PAS instance returns an HTTP 404 error referencing a URL similar to <https://localhost:8810/oemanager/applications/oePAS1/webapps/transport/rest/oe-services>.

PSC00348512

=====

Setting the parameter "SSL Server ciphers" in the "Database Configuration" page of the OpenEdge Explorer will only set PSC\_SSLSERVER\_CIPHERS for 4GL connections.

The parameter for setting up the SQL related "SSL Server ciphers" in the "Database Configuration" page of the OpenEdge Explorer interface is missing.

PSC00348432

=====  
Cannot connect to DB after restart, if SSL cipher/protocol was configured from  
OpenEdge Explorer

PSC00348423

=====  
Creating a new resource in OpenEdge Management gives error "AppServer not  
licensed for container." The Admin Server log file is showing error "failed to  
install plugin.system (7433)" along with a lengthy ads0.exp.

PSC00348028

=====  
Suppress name change alert option change cannot be saved in OpenEdge  
Management.

PSC00347980

=====  
OEM triggers UnexpectedPollingException alert when evaluating rule. Error "Rule  
<rule> evaluation for resource <resource> failed because systemUsedPercent  
activity value was null (17983)" is seen in admserv.log.

PSC00347975

=====  
OrientDB reporting errors in the AdminServer log that provided offset is more  
than size of allocated area

PSC00347487

=====  
A SchemaDeniedException is returned for the \_Repl-Agent table when environment  
is monitored by 116 OEM

PSC00347412

=====  
OEM Resource page cannot display resource list.  
The page divisions can be displayed, but the resource list cannot be displayed.  
The resources all can be displayed in My Collections in the left side menu bar,  
and all can be reached, monitored and managed.  
New resources also can be created successfully.  
The problem is found in Chrome and IE (Specifically in IE version  
11.0.9600.18283) browser.

PSC00347348

=====  
OE Management Rule Sets contain no default data while editing the record under

Library Components, Log File, Rule Sets.

PSC00347310

=====

Unable to kill remote appserver agent process from OEM. Fails with cannot be killed at this time message.

PSC00347118

=====

Appserver/Webspeed Agent Pool Summary screen shows agents using > 100% CPU.

PSC00346903

=====

Null column value encountered in trend sample for table Sys\_Process column Process\_StartTimeStamp

PSC00346764

=====

The size of the OpenEdge Management graph cache database grows quickly and can potentially consume gigabytes of space when monitoring large numbers of database and appserver resources.

PSC00346548

=====

OEM incorrectly reporting APW's as inactive.

PSC00346352

=====

Database will not start through OEM after the convmap.cp field is modified

PSC00346334

=====

Log Threshold settings for the OpenEdge Progress AppServer was included in error and need to be removed.

PSC00345300

=====

OpenEdge Management shows errors: Error during insertion of key in index. Errors are related to a bug in a third party library shipped with OpenEdge management.

PSC00344902

=====

OEM (Linux) with a remote container (Windows) will add one extra carriage return between each two environment variables next to each other in

ubroker.properties file after modifying the environment variables.

PSC00344798

=====  
OpenEdge Management is only showing the first 90 (of 144) ??CPU cores

PSC00344745

=====  
UnexpectedPollingException seen with fathom trend database with the following error:  
UnexpectedPollingException, Resource Name: oem1.FathomTrendDatabase

PSC00344299

=====  
The error "Content Not Found - The page you were looking for could not be found" is displayed while trying to edit a rule.

PSC00343536

=====  
When remote adminservers are added and Appserver resource is monitored on remote adminserver, errors are written to admserv.log when Process\_StartTimeStamp value is null

PSC00343401

=====  
Appserver resource monitoring reports an SQL overflow exception

PSC00343399

=====  
An SQL Exception occurred during an insert into the trend database. "Character string is too long (8184)"

PSC00343350

=====  
Adminserver/OEM's triggered RPLU messages polluting db.lg file

PSC00343251

=====  
Not possible to specify the protocol or cipher for databases that are started via the AdminServer.

PSC00343105

=====  
OpenEdge Management throws UnexpectedPollingException on every poll

PSC00342749

=====  
bpdatacompactconfig.jsp is missing kendo import

PSC00342699

=====  
Trending of AppServer procedure activity data fails with a SQL overflow exception after restarting the AppServer after trending data has been recorded at least once.

PSC00341888

=====  
Restarting the managed database resource results in SQL exception in admserv.log Cannot insert duplicate key in object "PUB.DB\_CHECKPOINT" with unique index "Db\_Checkpoint\_Sample\_ID". (16949)

PSC00341835

=====  
Intermittent Unexpected exception reported during resource polling for local resource database when stopped.

PSC00341773

=====  
AppServer polling may fail to record data in the trend database if an agent has not completely started when trend data is retrieved for any agent. A message will be recorded in the adminserver log file indicating this: Failed to process trend values: null column value encountered in trend sample for table Sys\_Process column Process\_UserName

PSC00333104

=====  
If you have more than one Web Service application deployed, then it is not possible to change the active Web Service from the WSA view within OpenEdge Explorer.

PSC00308931

=====  
AdminServer fails to re-register managed databases that are configured to autostart if they are still running when the AdminServer is restarted.

PSC00246534

=====  
osmetrics crashes adminserver in jniGetNumberOfProcessors

PSC00229595

=====  
If the database server does not have a chance to perform abnormal shutdown processing, dbagent may not fire an abnormal shutdown alert back to OpenEdge Management. This can occur if the database server crashes unexpectedly or is killed, such as with with a kill -9 command.

PSC00225833  
=====

OpenEdge Explorer removes any environment variable which contains an equals sign in the value when saving values for any OpenEdge resource type such as AppServer and WebSpeed.

n. NETUI

PSC00352328  
=====

Closing a stacked Modal Form where the form underneath contains an embedded ABL window causes an access violation.

PSC00351157  
=====

Infragistics grid control is throwing error "You cannot edit row when BindingSource is not bound to a DataSource" when you change a checkbox field and close the form by hitting the "X" in the top right.

PSC00350521  
=====

A GUI for .NET application which uses embedded ABL windows in an tabbed MDI interface may go into an endless loop when focus is switched to the GUI for .NET application from a third-party application.

PSC00349798  
=====

When subclassing the Telerik RADGRIDVIEW, calling the SaveLayout method of the new class/control crashes even with nothing added to the subclass.

PSC00348858  
=====

The handling of the Unknown value (?) when setting a .Net property whose type is a base type (mapped type) is inconsistent and so not as described in the documentation. The value is never set to null but is set to the default value for that data type. This is inconsistent with passing Unknown as a parameter value, where the target is set to null for strings and other nullable types.

PSC00348850  
=====

The AVM may crash when the user moves the mouse over a window which contains certain Codejock OCX controls, including XTPDockBar and XTPStatusBar.

PSC00346312

=====

WAIT-FOR System.Windows.Forms.Application:Run() may cause a session hang in 11.6.1 when it worked as expected in 11.6.

PSC00345222

=====

Trying to invoke a static method using Method.Invoke() gives error 15285, but only when trying to assign the return value. Discarding the return value causes the code to work without problems.

A valid class instance or static class name is required for dynamically invoking a method or accessing a property. (15285)

PSC00342976

=====

When working with Infragistics UltraLiveTileView class, attempting to reference an element in the Groups property using an integer value (e.g., ultraLiveTileView1.Groups[iIndex]) causes a compilation error:

The specified indexer type does not match any type required by this object. (13811)

PSC00339845

=====

Error 13965 occurs attempting to access Telerik collection member. The class Telerik.WinControls.UI.GridViewColumnCollection does not have a default indexed property. Therefore you cannot use the syntax objRef[]. (13965)

PSC00335963

=====

Focus may unintentionally switch to a different tab in a GUI for .NET application which has an MDI interface with embedded ABL windows.

PSC00327889

=====

Adding a child row in an updateable UltraGrid fails with errors 3135 and 3140 because CURRENT-QUERY returns ? instead of a valid query handle:

Invalid handle. Not initialized or points to a deleted object. (3135)  
Cannot access the CREATE-RESULT-LIST-ENTRY attribute because the widget does not exist. (3140)

PSC00226981

=====  
.NET dialogs may cause memory leak

\*\*\*\*\*

.NET dialogs may not get garbage collected, potentially causing a memory leak.

o. Next Gen AppServer

PSC00355607

=====  
Sending a large number of requests on the REST transport while the server is starting up could lead to memory issues. These requests get queued up and executed once the server is done its boot sequence. The first REST request will trigger parsing of the paar file. This condition will trigger multiple DOM parses of the same file, leading to an out of memory or garbage collection issue due to the nature of DOM parsing.

PSC00354918

=====  
The PASOE MSAGENT processes show memory growth while running under high load for an extended period of time if the PASOE instance is being monitored through OpenEdge Management.

PSC00354315

=====  
PASOE MSAGENTS memory footprint steadily increases over time running SOAP requests

PSC00354131

=====  
When multiple JAVA OpenClients attempt to connect to a PASOE server simultaneously, they may occasionally experience a connection error indicating "sessionPool:NoAvailableSessions".

PSC00353900

=====  
When deploying a war file to a PASOE instance, tcmn was incorrectly assuming the directory and alias would be the same, which is only true by default. Deploy now uses the correct information while deploying.

PSC00352443

=====  
Disabling transports in OEM PAS instances will revert the changes to ABL Application configuration.

PSC00351869

=====

During instance creation or registration, we were not setting the CATALINA\_TMPDIR property. This could lead to some unpredictable behavior. This value is now being set in the scripts.

PSC00351766

=====

The SOAP transport will not use the proper session manager when there are multiple ABL applications installed in an instance.

PSC00351549

=====

Changes made to a non-default ABL WebApp configuration are not persisted properly in openedge.properties and causes changes to become void.

PSC00350979

=====

MSAS SYSTEM ERROR: sessid <number> about to close UNREGISTERED socket 1131 (via libhttpsys)

PSC00350799

=====

On heavily loaded systems, the agent is crashing when using SSL on a connection out from an ABL Session.

PSC00350778

=====

Error 15740 being raised on PASOE running as a service

PSC00350348

=====

When downloading a file via a WebHandler the connection doesn't always close properly, preventing the proper shutdown of the PASOE instance.

PSC00349793

=====

The domain validation functionality inside the OEClientPrincipal bean returns the following error if the domain name has a different casing than initially defined:

Error creating client principal:com.progress.auth.ClientPrincipalException: Domain name specified does not exist in the registry.

PSC00349666

=====

The PASOE Agent ignores the -proxyhost and -proxyport startup parameters.

PSC00349441

---

---

A PASOE instance crashes with System Error 49 if the startup fails.

PSC00349439

---

---

A PASOE instance fails to start on HP-UX if the hostname is longer than 8 characters.

PSC00349320

---

---

Using the logging package log4net with its associated RollingFileAppender causes the PASOE agent to crash. The issue is that the RollingFileAppender is not thread safe and cannot be used in a multi-session environment. If log4net is required, then use the RemotingAppender along with a Remote Logging Server to consolidate logging from PASOE sessions.

PSC00349046

---

---

PAS returning code 403 instead of 401.

The Spring Security process step of generating a Client Principal for an anonymous user id produced a condition where subsequent client requests did not correctly recognize the client's need to login and instead would return an access error based on the previous request's user id. This normally happens when configuring the OEClientPrincipalFilter to always generate and pass a ClientPrincipal representing an unauthenticated (Anonymous) user to the ABL application.

PSC00348889

---

---

Cookies set by OpenEdge.Web.WebResponseWriter contain a quoted path: path=""

PSC00348758

---

---

Error 5487 can fill the PASOE log file.

PSC00346162

---

---

If ABL program makes multiple calls to set-cookie() API, PAS WebSpeed only uses the last cookie. The other ones aren't sent back to browser client. This works correctly in Classic WebSpeed.

PSC00346153

---

---

MS-Agent gives MSAS SYSTEM ERROR in the agent log when running a ABL HTTPS

Client in the agent.

[16/03/21@14:44:09.773-0400] P-008041 T-1086560576 1 AS-Aux MSAS Worker Thread exiting. Number: 5, Status: 0  
[16/03/21@14:46:02.732-0400] P-008041 T-1100585280 2 AS-7 AS Application Server connected with connection id:  
F7817040EC7EEF1CFFB568BEC66B358BAB9354401324.tt98. (8358)  
[16/03/21@14:46:02.949-0400] P-008041 T-1100585280 1 AS-7 MSAS SYSTEM ERROR: Attempt to assert ownership of socket 31 by 7 when owned by 7  
[16/03/21@14:46:02.956-0400] P-008041 T-1087752512 1 AS-Listener MSAS Spawning New Worker Thread. Number: 5  
[16/03/21@14:46:02.956-0400] P-008041 T-1086560576 2 AS-4 AS Application Server connected with connection id:  
D229A24F567499156A42A2AD76B1E3C6A656B56E445A.tt98. (8358)  
[16/03/21@14:46:02.960-0400] P-008041 T-1086560576 1 AS-4 -- (Procedure: 'server3.p' Line:1) hello world  
[16/03/21@14:46:02.962-0400] P-008041 T-1086560576 2 AS-4 AS Application Server disconnected with connection id:  
D229A24F567499156A42A2AD76B1E3C6A656B56E445A.tt98. (8359)  
[16/03/21@14:46:03.010-0400] P-008041 T-1086560576 2 AS-7 AS Application Server disconnected with connection id:  
F7817040EC7EEF1CFFB568BEC66B358BAB9354401324.tt98. (8359)

PSC00345163

=====

PASOE .NET declaration fails with Could not find class or interface System.Net.WebRequest. (12886)

PSC00343725

=====

The JSON returned for some error conditions was invalid. This has been fixed.

PSC00342492

=====

UnknownHostException when deploying web-app in PASOE on Linux where DNS is not properly configured.

PSC00342308

=====

Form Authentication is not working with PASOE when tried from Telerik App Builder. The Java regular expression (regex) pattern used to detect a request for JSON encoded responses in the request's accept header did not work for all variations of clients.

The JSON response is not being returned with the proper content type.

PSC00340093

=====

The setenv.sh and deploySOAP.sh scripts returns an incorrect hostname if the server has multiple IP addresses.

PSC00335049

When a .NET Open Client application connects to PASOE it fails if the .NET Open Client has compression enabled.

Communication layer message: General Error: 9986. (7175)

p. OEBPM

PSC00349284

OEBPM: Portal server does not start (startPortalServer.sh)

The script file at <DLC\_installation\_path>/oebpm/jboss/bin/startPortalServer.sh which is needed to start Portal server in daemon mode is modified to fix the issue related to the file path.

PSC00344884

The priority field always displays Critical and is not translated in tabular view  
From the codes, the priority options are not translated but the priority value is translated so it can't select the correct value in the drop down box.

PSC00344629

Upon submission of the form to renew the password (login\_expire.jsp), a popup appears with the message: "Error occurred while validating password".

PSC00344260

Worksteps are not translated in BPM Tabular view when using a language other than english.

PSC00343858

We tested BPM 11.6 and found Tabular View is not working well using Internet Explorer  
When the performer is very large, it only displayed part of the table and there is no scrollbar at the end of the table.

PSC00343506

The Password validation framework is unable to return custom validation messages to the Portal UI.

PSC00329483

---

---

OEBPM: Headers not visible when the list of tasks enables scroll bar at portal main page.

q. Open Client

PSC00352487

---

---

A .NET OpenClient app reads a Temp-Table with TRACKING-CHANGES turned off from AppServer, and deletes one of its rows. It attempts to send the table with deleted row back to AppServer and the following error is thrown:

Input result set error: System.Data.DeletedRowInaccessibleException: Deleted row information cannot be accessed through the row. There might be a mismatch between an input result set and the schema in the proxy. (7228) (7176)

PSC00352428

---

---

If you use the .NET DataSet or DataTable Merge() method, the resulting DataSet or DataTable may contain duplicate ProDataTable Position or UserOrder property values, resulting in the AppServer call failing with Protocol Error (7211)

PSC00350863

---

---

Using .NET Dataset Merge() method to merge a dataset returned from the AppServer with fewer fields than the original dataset back into the original dataset will generate error 16 when the merged dataset is passed back to the AppServer.

PSC00349983

---

---

Program which contains an output temp-table parameter where the temp-table is defined like a database table causes an "Array index out of bounds" exception when called from a .NET client.

PSC00349502

---

---

Memory leak in java openclient

PSC00344296

---

---

INT64 types can be incorrectly converted to RECID when passed from .NET

OpenClient to AppServer to a DATASET-HANDLE using the Dynamic API.

PSC00343771

=====

Formula for calculating the Open Client timeout based on TcpClientRetry and TcpClientRetryInterval appears to have changed in OpenEdge 11.6.

PSC00340561

=====

Slow performance calling ProChangeSummary.getChanges() method of Java OpenClient. Also, using ProDataGraph object from getChanges() call, sending the ProDataGraph's changed rows to the Appserver using the runProc() call also exhibits slow performance.

PSC00295914

=====

The Java OpenClient samples GetCustOrders and UpdateDataSet Readme.txt referred to the out-of-data sdo 1.0 jar files instead of the sdo 1.1 versions. Therefore, when run, you will see an error on class file for org.apache.tuscany.sdo.impl.DynamicDataObjectImpl with ProDataObject.

PSC00293753

=====

Creating a state-free connection pool and an AppObject against that pool will throw a "Key cannot be null" exception if CancelAllRequests() is invoked on the AppObject instance.

PSC00287595

=====

All Progress DLLs that go to make up the .Net OpenClient are being built with the ANYCPU configuration.

PSC00269026

=====

Using relative path for the -xpxgfile and -startdir parameters in the generated runbproxygen.bat file fails with the following errors:

Proxy Generation Failed.

For details see the log file C:\DLCWORK\test.log

The log file shows:

>>ERROR generating .NET proxies

Default directory is not an absolute path

The same thing works in 11.2.1.

r. PDSOE

PSC00352996

=====

When trying to import .xsd schema to ProBindingSource in PDSOE it fails with "Selected XSD file format is bad, because "Object reference not set to an instance of an object."" error.

PSC00352762

=====

In OpenEdge 11.6.3 the Update Assembly References tool appears to crash when closing in Windows 10.

PSC00351041

=====

When adding a REST Service to a PDS project that does not contain the REST facets, PDS should either prevent allowing the user to click OK and display a message in the New REST Service wizard or it should display some sort of warning on the screen.

Today one can add a new REST Service to a normal OpenEdge project (no rest facet) and automatically open it in the REST Resource URI Editor, however no "Defined Services" node is created and obviously no service is shown.

There are no other errors regarding the mapping or saving of the resource.

PSC00350877

=====

PDSOE debugger doesn't stop at breakpoint

PSC00350813

=====

When running in TTY mode for the first time in an ABLUnit project, the 'tests' folder is removed from the PROPATH of the run configuration.

Initially the tests folder can be seen in the <project> (default PROPATH<)> segment of the PROPATH tab in the "Progress OpenEdge ABLUnit Run Configuration dialog.

After selecting "Use TTY for runtime" on the ABLUnit tab and running the test, the test fails with the below content in the results.xml file.

```
<results.xml>
```

```
<?xml version="1.0" ?>
<testsuites errors="1" failures="0" name="ABLUnit" tests="1"><testsuite
name="C:\00365158\defect\TDD\tests\unit\pro\utils\general.cls" tests="1"
time=".093"><testcase name="test_getMessage_Cameron" status="Error"
time="0"><error>Invoke OpenEdge.ABLUnit.Reflection.ClassAnnotationInfo at line
163 (OpenEdge/ABLUnit/Reflection/ClassAnnotationInfo.r)
RunTestMethod OpenEdge.ABLUnit.Reflection.ClassAnnotationInfo at line 196
(OpenEdge/ABLUnit/Reflection/ClassAnnotationInfo.r)
RunSelectedTestMethod OpenEdge.ABLUnit.Reflection.ClassAnnotationInfo at line
126 (OpenEdge/ABLUnit/Reflection/ClassAnnotationInfo.r)
runTestClassMethod OpenEdge.ABLUnit.Runner.ABLRunner at line 1180
(OpenEdge/ABLUnit/Runner/ABLRunner.r)
runtests OpenEdge.ABLUnit.Runner.ABLRunner at line 1075
(OpenEdge/ABLUnit/Runner/ABLRunner.r)
runtests OpenEdge.ABLUnit.Runner.ABLRunner at line 1013
(OpenEdge/ABLUnit/Runner/ABLRunner.r)
runtests OpenEdge.ABLUnit.Runner.ABLRunner at line 1100
(OpenEdge/ABLUnit/Runner/ABLRunner.r)
runtests OpenEdge.ABLUnit.Runner.ABLRunner at line 1013
(OpenEdge/ABLUnit/Runner/ABLRunner.r)
RunTests OpenEdge.ABLUnit.Runner.ABLRunner at line 150
(OpenEdge/ABLUnit/Runner/ABLRunner.r)
ABLUnitCore.r at line 72
(ABLUnitCore.r)</error></testcase></testsuite></testsuites>
```

```
</results.xml>
```

PSC00349191

=====

Trying to map a verb to a procedure which calls an include file to define a temp-table and uses a compile-time argument to define the name of the temp-table, causes the following error to be shown.

Selected file doesn't have operations.

No .pidl file is generated.

PSC00348942

=====

PDSOE javaw.exe runs for several minutes (2-4) in the background to complete shutdown tasks after the PDSOE UI has been closed.

PSC00348245

=====

Internal Procedures in a .W are not shown in the PDSOE Outline View when preprocessing is enabled.

PSC00347828

---

Error 'Could not create the Java Virtual Machine' occurs while installing Progress Developer Studio for OpenEdge 32-bit on a 64-bit machine. This happens because the system does not provide a memory of 1024m to the JVM while launching the 'integrateArchitect.bat' program.

PSC00346638

---

Loading .prof in Progress Developer Studio for OpenEdge fails with java.lang.IllegalArgumentException: Comparison method violates its general contract!

PSC00346128

---

Add trigger pop-up windows are not being displayed for objects added to a PDSOE project created through the AppBuilder component in PDSOE. Seen in .w files that refer to multiple objects. .log file reports NullPointerException. Instead of Add Trigger pop-up, PDSOE goes directly to source editor.

PSC00346076

---

Operation does not get completed and an exception is logged in the log file when editing a Mobile Service

PSC00345361

---

Using the old Procedure Editor in the Developer Studio, if a line is entered and the Return <CR> key pressed, the last character in the line is deleted.

PSC00344930

---

Launching program from PDS:OE (either via Run Configuration or Launch Configuration) causes database aliases to be created for \*all\* databases in the workspaces' database profiles.

This can cause problems if you are launching code that is supposed to set up additional database connections and aliases at runtime.

PSC00344502

---

The first link in the tutorials page of the PDSOE (reference OE01-INTRO01) redirects to wrong page.

PSC00344489

---

Generating ABLDocs in PDSOE for methods that have colon ':' characters in the comments, prevents the comments being added to the generated ABLDoc.

PSC00344420

=====

ABL Web App projects publish r-code incrementally to the PASOE server. However, the server is unable to load the updated r-code for singleton classes and procedures into memory. To do so requires trimming of the agents after performing the incremental publish operation. This trimming is not taking place as required.

PSC00343736

=====

Error opening r-code when using flag enums with bit-wise operations.

PSC00343642

=====

Some of the method names in the OpenEdge.Core.Assert class start with a lower case.

PSC00343077

=====

Using the parameter mapping process in PDSOE for REST projects, the amount of time it takes after clicking the ... button in the REST Resource URI Editor, for the Associate Operation With Verb page to display directly correlates with the number of files in the project. For a project containing between 1 and approximately 1500 files, the Associate Operation With Verb page displays immediately after clicking the ... button of the REST Resource URI Editor. For a project containing approximately 2600 files, the delay between clicking the ... button of the REST Resource URI Editor and the time the Associate Operation with Verb displays is approximately 27- 30 seconds (per association). For a project containing approximately 9500 files, the delay between clicking the ... button of the REST Resource URI Editor and the time the Associate Operation with Verb displays is approximately 2 minutes and 10 seconds.

The customer describes that he was trying to add 40 additional files to an existing project and the mapping process for all of the new files, given the delay per file was a couple of hours. Given the cost of software engineering personnel, this was significant.

The delay in getting the Associate Operation With Verb screen to display for a significantly large project is too long.

PSC00342322

=====

Poor performance and visual designer errors with many large open projects

PSC00342250

=====  
If the Windows locale isn't set to "English (United States)", the Profiler viewer breaks completely.

The "Execution time of modules" browse fails to display data, module names appear or disappear when clicked on etc. Other browses/grids also get corrupted in similar fashion.

PSC00341222

=====  
After adding Telerik RadRichTextEditor control and RibbonUI there are problems to run a form on PDSOE

PSC00339746

=====  
PDSOE Visual Designer fails to display the underlying error message, and instead displays a generic and unhelpful error, when a Form (ABL class inheriting from a .NET form) is run and an error is thrown out of the constructor.

This does not happen if the form is created via an ABL NEW statement.

PSC00337373

=====  
If project subdirectory contains multiple ABL classes, and within those ABL classes the package names have different casing (different mix of upper & lower case letters), a form referring to one of those class types can no longer be opened in Visual Designer - it will throw "Unable to resolve type information for type" exceptions.

In addition the content assist will also show the package name multiple times - every variant used in the .cls files will show up.

PSC00336536

=====  
The Visual Designer fails to load a derived class when there is an unrelated folder 'com' in the project directory. The error message is:

```
java.lang.reflect.InvocationTargetException: Type information for SmartWindowForm is not available.
```

PSC00335526

=====  
USING statement is not automatically inserted on ctrl-space into the .cls for variables/properties of the same type as the class itself. Class does not compile, because of the missing USING statement. This behaviour is seen for classes irrespective of class name.

PSC00335119

---

---

If an error occurs in the @Before method, the test fails (as expected) and CPU usage by Studio rises to 90+% and stays there until PDSOE is restarted. In some machines it rises to 25% CPU usage after single run, so it means after 4 runs it is 90+% and it remains like that until PDSOE is restarted.

If there is no error in the @Before method, CPU usage is in norm and is back to 0, when Unit test is finished.

PSC00334624

---

---

When setting new \${abldoc.title} it remains "ABLDoc Documentation" in ABLDoc Ant.

PSC00334612

---

---

When generating the ABLDoc documentation for the methods using the Generate ABLDoc wizard, it does not insert multi-line comments (only first line is inserted).

PSC00333664

---

---

Displaying inherited classes in Visual Designer causes "Visual Designer cannot load this class" error.

PSC00333342

---

---

When working with .NET assemblies in a CHUI project in PDS, if the assemblies directory is not the project directory, the -assemblies parameter is not included in the resultant call to \_progres.exe.

This is likely leftover from the fact that using assemblies with TTY was not supported in the initial versions of the tool after adopting support for using assemblies in GUI.

PSC00332594

---

---

The Outline View in PDSOE doesn't show the remaining methods after include reference because there are inactive pre-processors in the include file.

PSC00330274

---

---

When the Visual Designer tries to load a class that inherits from a base class, if the subclass references a property defined in the base class, then this can result in the error:

Visual designer cannot load this class  
An exception occurred loading the design canvas: The type '<supperClass.cls>' has no property named '<property>'.

PSC00329883

---

If form .cls file refers to class type by package name, and the directory name on disk changes to different casing for that package, the Visual Designer can stop loading the form.

It'll fail with:  
"Visual Designer cannot load this class

Line <nn>: Unable to resolve type information for type <type name> for field <member>"

The form will continue to pass syntax check & run normally.

PSC00327255

---

When " Maximum number of errors reported for build" to 1 is set to one and compiling file in PDS using Build Project menu PDS doesn't stop when first error is found and continues compiling the rest of the files in the project.

PSC00326224

---

Adding a procedure library from another project in the propath leads to an incorrect propath in PDSOE

PSC00323502

---

Organize USING statements ignores classes used in include files

PSC00323170

---

In DB Navigator, when you use the query plan to look at the SQL query there is some strangeness if there are multiple history tabs open. It is possible that the SQL query plan query results will not show but if you just close all history tabs and run it again it will work.

PSC00322358

---

REST Resource URI Editor displays a blank error message when the casing of a database name in the ABL class being mapped is different than the casing of the name in the database.

PSC00320599

=====  
USING statement Editor Assistance fails with .NET generics. It unexpectedly inserts the fully qualified name and fails to add the appropriate USING statement at the top of the procedure as expected.

PSC00319609

=====  
The class cache gets out of sync in PDSOE when editing a form, which causes the below error to be shown in the Visual Designer, even though the panell property is defined in its parent class:

Line 327: Unable to locate element panell in type common.schedulinglocator

PSC00318538

=====  
Defining a variable that uses .NET types, which includes a coma (,) with a blank space afterwards the list of proposals is empty.

PSC00317618

=====  
When anything is pasted into the ScratchEditor, the cursor moves back to the start of the editor.

PSC00314913

=====  
When saving an editor perspective as a custom perspective, the OpenEdge menu option in the PDSOE menu stops working and then disappears from the menu.

PSC00306868

=====  
While expanding the database table list can be a bit slow (5 seconds), expanding the fields list is extremely slow. It appears that the more columns there are, the longer it takes to retrieve the list.

Expanding a given table locks up PDSOE until it finishes. At the very least this code should run in a separate thread and allow other processes in PDS to function.

10 columns = 1.5 seconds  
50 columns = 9 seconds  
100 columns = 18 seconds  
200 columns = 51 seconds  
300 columns = 1 minute 10 seconds  
400 columns = 2 minutes 20 seconds

This is easily reproducible with sports2000 with a number of fields added. Using WinSQL's catalog feature to inspect the structure of the same database shows the table details almost instantly.

PSC00298605

=====  
The "Initializing OpenEdge Tooling" message should list the project (name) being initialized.

PSC00286214

=====  
Missing file button combination for Logging tab in Run Configurations

PSC00269904

=====  
The ABL Scratchpad does not respect the background color used by the project when editing code.

PSC00267870

=====  
The ABL Scratchpad does not properly handle tab characters. Visually, it appears that the characters are completely ignored but in fact they are there but are treated as a zero space indentation.

PSC00260292

=====  
Return values for invoke operation missing from JSON catalog

\*\*\*\*\*

The invoke operations use PUT so that it can have input and output parameters.

However, although the business entity defines the return parameters for the invoke method, this information is not added to the generated JSON catalog. Currently the response parameters have to be added manually by editing the invoke service in the Mobile AppBuilder.

I have quick a question regarding the invoke REST operation. This operation uses the PUT method.

Why, for this specific operation do we have to map the return parameters manually in the Mobile AppBuilder, despite the fact that the return values are known from the class definition, at the time the JSON is generated?

PSC00228448

=====  
Architect Outline stops when procedure has &IF preprocessors

\*\*\*\*\*

Architect Outline stops when procedure has &IF preprocessors with do blocks

s. Porting

PSC00248179

---

proGetStack causes memory leak in AppServer

\*\*\*\*\*

Unable to unmap library files before closing them causes a memory violation as the amount of mappings continues to grow.

t. QPE

PSC00345824

---

On Windows, the file %DLC%\oebuild\make\build\_\_prchar.link file does not work because the object file "..\obj\\_prchar.exe.res" is missing.

PSC00334557

---

Previously HTTP client was not installed with a 4GL Development System license. Now the product includes the necessary files for this functionality.

PSC00315510

---

The OpenEdge.core.pl file was not included in a runtime only installation. It is now included.

u. REST Adapter

PSC00350104

---

It is not possible to set RunTimeProperties like (NsClientMinPort/NsClientMaxPort) on the OERealm Client

PSC00344678

---

REST documentation includes the first field in the first table definition of the dataset

PSC00343109

---

The certificate store location for the AppServer SSL connection can be specified in the appSecurity-\*-oerealm.xml security templates. When specifying a relative path for the certificate store location it does not use the web application context as the starting point for the relative path, instead it uses the Tomcat working directory as the starting point. This is not consistent with the certificate store location that can be defined in the web.xml.

PSC00342367

---

If you set one of the properties of the user attributes within the OERealm security template to null (blank string), then a java.lang.NullPointerException is returned.

#### v. Replication

PSC00354367

---

RPLS cannot connect to RPLA when the Advanced Enterprise Edition RDBMS [AEE RDBMS] is installed on one end (primary source server) And the Enterprise Database on the other end (secondary target server) Error 13257 The RDBMS license on the Source machine does not match the RDBMS license on the Target machine.

PSC00352509

---

OE Replication Agent fails with (10427) SYSTEM ERROR: An invalid note was encountered by the Fathom Replication Agent in area ## at block #####, offset ##. The error can occur during normal replication processing. It can also occur when using dsrutil -C applyextent to update a Replication target database with AI extents from the source database.

PSC00346341

---

DSRUTIL connects to a database that is not enabled for Replication when the repl.properties file exists. Immediately after making the connection, the utility exits, without disconnecting from the database. It is disconnected as a dead user by the watchdog.

PSC00248634

---

When trying to apply the AI extents to the target database after it entered the pre-transition state, the replication agent crashes when using the mixture of AI extents - the archived ones and the busy one copied directly from the source database.

PSC00245451

---

Replication transition failover will fail to complete if the replication properties files are configured to use an online backup via the backup-method=full-online argument.

#### w. SQL

PSC00355125

---

SQL client updates failing with Error in Stored Procedure Execution. (7853)

PSC00353571

---

Running the following SQL query against the sports2000 database:

```
SELECT ROWID FROM PUB.Customer WHERE customer.address2 = 2147483649;
```

Gives the following error:

```
java.sql.SQLException: [DataDirect][OpenEdge JDBC Driver][OpenEdge] Encountered  
internal error in SQL ENGINE at 1435 in
```

```
Z:/vobs_sql/sql/src/public/data/data_t.cxx. Contact Progress Technical Support
```

PSC00352323

---

Invalid number string (7498) returned by SQL query containing the following construct:

```
(numfield1<numfield2 OR numfield1 < [numeric value])
```

PSC00351162

---

When Authorized Data Truncation (ADT) is turned ON, if a multi component index exists with a prefixed column of type VARCHAR and the query contains an equality condition on that column, then the conditions on subsequent index columns are ignored during index scan.

PSC00349671

---

By default all the tables will have at least one index (if no index is created by user, then default index will be present). Prior to OE 11.7, for some reasons, if a table does not have any indexes on it, then we were reporting error "No tuples selected by the subquery for update". Now, from OE 11.7 onwards, in this case we return the error saying "No index found on the table <tablename>".

PSC00349270

---

Performance problems with specific reports after upgrade to 11.4 due to problem with cost estimation for subtrees in Join order optimization.

PSC00348638

---

A SELECT by rowid with a NOLOCK hint should not do any locking however, the SELECT execution is in fact locking the found record.

This results in a lock failure when the selected record is locked by some other

transaction.

A SELECT by index key value, using a NOLOCK hint, works fine, and does not lock.

PSC00348195

---

Certain queries attempting to update a record via a MS SQL Server Linked Server gets error - "[DataDirect][ODBC Progress OpenEdge Wire Protocol driver]No rows were affected by UPDATE/DELETE WHERE CURRENT OF cursor emulation".

This problem has been fixed with latest drivers in 11.6.3 and above.

PSC00348139

---

SQL client session crashes when a UNION query has a datatype mismatch in SELECT columns, followed by constants or parameters or scalar functions.

PSC00347153

---

SQL grant or revoke statements causing schema locks that seems longer than expected for other (4GL) database users. This could occur in OpenEdge releases prior to 11.7.0, especially for databases with a large number of Grants to users.

Release 11.7.0 uses revised schema access approaches which result in much quicker execution time for Revoke.

Also, Issue PSC00345833 (described in its own Release Note) provides new locking techniques which avoid most prior schema locking problems on Grant and on Revoke.

PSC00346844

---

Update All Column Statistics is extremely slow for MT tables

PSC00346741

---

When querying a multi-tenant database on a user table different shared-locks on \_Tenant table are created preventing to create new Tenants until the user sessions end.

PSC00345833

---

In OpenEdge version prior to 11.7.0, SQL GRANT and REVOKE operations hold schema locks for a long time - namely as long as the transaction containing GRANT or REVOKE.

As of OpenEdge 11.7.0, GRANT and REVOKE use a new custom schema locking

protocol that provides much higher concurrency and which locks only sql authorization schema data. Specifically, GRANT and REVOKE will no longer have any impact on ABL procedures, ABL logins, or ABL execution in general.

PSC00345685

---

SQL login does not require password if all users created from sql side and all changed to "sql only"

PSC00344241

---

SQL query fails with an internal error during join optimization. The internal error associated with this failure is a LIKE predicate with columns from one table on the left-hand side of the LIKE and columns from a different table on the right-hand side of the LIKE. For example:  
select....from.....where ..... my\_table1.columnA LIKE  
to\_char( my\_table2.columnB + '%')

PSC00343480

---

Prior to OE Release 11.6.1, OE SQL was using RC4-MD5:RC4-SHA as the default ciphers when environment variable PSC\_SSLSERVER\_CIPHERS is not defined. Now, in 11.6.1, OE SQL uses default cipher suite of OpenSSL (which is used by OE SQL) when this environment variable is not defined. Note that, default ciphers of OpenSSL contains ciphers which are supported by TLSv1.2.

PSC00343057

---

SQL: ABL interoperability failure when use default value for Timestamp with Time Zone

PSC00342940

---

Revised error diagnosis in Replication Plus env - fetch failure during index scan

PSC00334323

---

Some type of SQL queries that joins multiple Views containing predicates can take a long time to complete.

PSC00333604

---

Database is abnormally shutdown after permission problems due to an error while initializing user security service: insufficient context for SQL connections.

PSC00250337

=====

Shutting down machine causes \_sqlsrv2.exe crash

\*\*\*\*\*

Shutting down machine causes \_sqlsrv2.exe crash in dsmContextGetLong

PSC00246771

=====

Enhancement: Increased granularity with SQL logging, allowing greater control over the information returned in a similar manner to that of ABL client-logging.

In OpenEdge 11.7.0, SQL now supports the ability for the DBA to control the granularity and amount of the information logged. This can now be done by specifying a logging level on the SET PRO\_SREVER LOG statement. For example:

set pro\_server log on with(statement) and with level 1

Level 1 logs the least information, level 4 logs the most.

Full documentation for the SET PRO\_SERVER LOG is in the OpenEdge SQL documentation.

## x. Security

PSC00349043

=====

When adminserver authorisation is restricted with -admingroup

The USERNAME environment variable was able to be changed to allow a non-group-member to be able to start/stop Ubrokers.

AdminServer clients have no dependencies on insecure Java attributes going forward so identity cannot be spoofed to claim group membership.

PSC00346086

=====

Client can no longer connect to AppServers when the SSL\_SOCKET\_READ=true environment variable is set for the client session.

PSC00345692

=====

SSL Sockets reads are being truncated

PSC00345585

=====

a SSL connection failure once, all the connection to the same \_mprosrv will fail

PSC00344869

=====

pkiutil -import The CA keys entry does not contain a valid private-key.

PSC00344081

---

When encountering a SOAP service providers configured with protocol TLSv1 & cipher AES128-SHA, the default connection is failing (as OE 11.6 uses default SSL protocol as TLSv1.2 & cipher AES128-SHA256).

This causes the need to include the `-sslSOAPPprotocols` and `-sslSOAPCiphers` parameters in the connection, or to set the corresponding environment variables (below). It is also important that the protocols and ciphers to be specified in a specific order (demonstrated in the workaround).

Environment variables:

`PSC_SSLCLIENT_CIPHERS`, `PSC_SSLCLIENT_PROTOCOLS`

The problem with having to do this is that it is anything but apparent that this is the problem from the error messages that are returned.

PSC00344079

---

The root certificate "Equifax Secure Certificate Authority" is missing from the OpenEdge certificate store.

PSC00343508

---

The OpenEdge products accept an invalid value for the SSL protocol and cipher.

PSC00343314

---

The database server does not fail to start if the default key is missing when only using the `-ssl` startup parameter.

PSC00343308

---

The SSL debug log files (`cert.server.log` and `cert.client.log`) seem to indicate that SSLv3 Hello messages are still being used by both ABL and SQL clients when communicating with an OpenEdge database.

PSC00339142

---

Unknown ssl error (9318) connecting to an SNI enabled web service

PSC00339091

---

Sometimes an HTTPS response contains an empty or truncated content when using the HTTP client.

## y. Server Technology

PSC00354126

=====

.NET application reports the following error after migrating from OE 11.3.3 to 11.6.3:

'None of the discovered or specified addresses match the socket address family.'

PSC00351993

=====

Running Open Client applications using proxygen that use Progress.o4glrt.dll, application can produce error "A first chance exception of type 'System.IndexOutOfRangeException' occurred in Progress.o4glrt.dll.

PSC00350295

=====

When using CANCEL-REQUESTS to cancel outstanding ASYNC requests while connected to the AppServer via Aia, the session ignores the cancel.

PSC00344432

=====

The 'certutil -list' command returns a warning for each certificate on UNIX / Linux.

PSC00344401

=====

The OpenEdge 11.6 default installation contains a hash file (88dc3f02-sha384.0) in \$DLC\certs which causes the 'certutil -list' command to fail.

PSC00342046

=====

Java OOM memory leak with WSA and or REST monitoring enabled.

PSC00246119

=====

If DLC is set as one of the system variables, install hangs

## z. TTY

PSC00341756

=====

In the Progress Character Client environment the DISABLE ALL statement does not

work properly for fill-in fields enabled with TEXT option if the READ-ONLY property is set to TRUE.

{. UI Controls

PSC00348174

---

---

The file Infragistics4.Win.UltraWinCalcManager.v15.1.FormulaBuilder.dll is not in the %DLC%\bin\infragistics\winforms directory.  
It is required for WinCalcManager to work.  
The WinCalcManager FormulaBuilder can be shown to the user at run-time.

|. Web Services Adapter

PSC00349746

---

---

OEM pings to remote WSA appear to have a very long timeout

PSC00346055

---

---

Error while trying to import a V10.2B .wsd file into a V11 WSA with message:  
failed to parse the WSD file entered: <filename.wsd>. File doesn't contain valid WSD content. Import cannot proceed.  
Getting import info failed.

} . WebClient

PSC00341402

---

---

WebClient crashes when updating an application running on Windows 10 touchscreen devices.

~. WebSpeed

PSC00351297

---

---

Uploading a file from the browser to WebSpeed and modifying the file name or path allows the upload directory to be escaped.

PSC00345530

---

---

Segmentation Fault when connecting SSL enabled Webspeed Messenger to Webspeed broker.

PSC00344804

=====  
wtbman -q -all command to list status of resources failed with error.

Error Message: No entries for personality WS (8300)

PSC00344613

=====  
Validating cause for error 9257

PSC00339570

=====  
Messenger error 6369 when Webspeed service name exceeds 24 characters

PSC00337475

=====  
wsisa.dll messenger fails when setting loggingLevel > 0

-----  
Third Party Acknowledgments  
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=====  
README for release 6b of 27-Mar-1998  
=====

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OVERVIEW

=====  
This package contains C software to implement JPEG image compression and

decompression. JPEG (pronounced "jay-peg") is a standardized compression

method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits.

However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings. This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet.

For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image

file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf.

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The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.)

So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files.

To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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A "png\_get\_copyright" function is available, for convenient use in "about" boxes and the like:

```
printf("%s",png_get_copyright(NULL));
```

Also, the PNG logo (in PNG format, of course) is supplied in the files "pngbar.png" and "pngbar.jpg (88x31) and "pngnow.png" (98x31).

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Glenn Randers-Pehrson

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September 1, 2001

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zlib 1.1.3 is a general purpose data compression library. All the code is thread safe. The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <ftp://ds.internic.net/rfc/rfc1950.txt> (zlib format), [rfc1951.txt](ftp://ds.internic.net/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](ftp://ds.internic.net/rfc/rfc1952.txt) (gzip format). These documents are also available in other formats from

<ftp://ftp.uu.net/graphics/png/documents/zlib/zdoc-index.html>

All functions of the compression library are documented in the file [zlib.h](#) (volunteer to write man pages welcome, contact [jloup@gzip.org](mailto:jloup@gzip.org)).

A usage example of the library is given in the file [example.c](#) which also tests that the library is working correctly. Another example is given in the file [minigzip.c](#). The compression library itself is composed of all source files except [example.c](#) and [minigzip.c](#).

To compile all files and run the test program, follow the instructions given at the top of Makefile. In short "make test; make install" should work for most machines. For Unix: "configure; make test; make install" For MSDOS, use one of the special makefiles such as Makefile.msc. For VMS, use Make\_vms.com or descrip.mms.

Questions about zlib should be sent to <zlib@quest.jpl.nasa.gov>, or to Gilles Vollant <info@winimage.com> for the Windows DLL version.

The zlib home page is <http://www.cdrom.com/pub/infozip/zlib/>

The official zlib ftp site is <ftp://ftp.cdrom.com/pub/infozip/zlib/>

Before reporting a problem, please check those sites to verify that you have the latest version of zlib; otherwise get the latest version and check whether the problem still exists or not.

Mark Nelson <markn@tiny.com> wrote an article about zlib for the Jan. 1997 issue of Dr. Dobbs's Journal; a copy of the article is available in <http://web2.airmail.net/markn/articles/zlibtool/zlibtool.htm>

The changes made in version 1.1.3 are documented in the file ChangeLog.

The main changes since 1.1.2 are:

- fix "an inflate input buffer bug that shows up on rare but persistent occasions" (Mark)
  - fix gzread and gztell for concatenated .gz files (Didier Le Botlan)
  - fix gzseek(..., SEEK\_SET) in write mode
  - fix crc check after a gzseek (Frank Faubert)
  - fix miniunzip when the last entry in a zip file is itself a zip file (J Lillge)
  - add contrib/asm586 and contrib/asm686 (Brian Raiter)  
See <http://www.muppetlabs.com/~breadbox/software/assembly.html>
  - add support for Delphi 3 in contrib/delphi (Bob Dellaca)
  - add support for C++Builder 3 and Delphi 3 in contrib/delphi2 (Davide Moretti)
  - do not exit prematurely in utgz if 0 at start of block (Magnus Holmgren)
  - use macro EXTERN instead of extern to support DLL for BeOS (Sander Stoks)
  - added a FAQ file
- plus many changes for portability.

Unsupported third party contributions are provided in directory "contrib". A Java implementation of zlib is available in the Java Development Kit 1.1

<http://www.javasoft.com/products/JDK/1.1/docs/api/Package-java.util.zip.html>

See the zlib home page <http://www.cdrom.com/pub/infozip/zlib/> for details.

A Perl interface to zlib written by Paul Marquess <pmarquess@bfsec.bt.co.uk> is in the CPAN (Comprehensive Perl Archive Network) sites, such as:

[ftp://ftp.cis.ufl.edu/pub/perl/CPAN/modules/by-module/Compress/Compress-Zlib\\*](ftp://ftp.cis.ufl.edu/pub/perl/CPAN/modules/by-module/Compress/Compress-Zlib*)

A Python interface to zlib written by A.M. Kuchling <amk@magnet.com> is available in Python 1.5 and later versions, see

<http://www.python.org/doc/lib/module-zlib.html>

A zlib binding for TCL written by Andreas Kupries <a.kupries@westend.com> is available at

<http://www.westend.com/~kupries/doc/trf/man/man.html>

An experimental package to read and write files in .zip format, written

on top of zlib by Gilles Vollant <info@winimage.com>, is available at <http://www.winimage.com/zLibDll/unzip.html> and also in the contrib/minizip directory of zlib.

Notes for some targets:

- To build a Windows DLL version, include in a DLL project zlib.def, zlib.rc and all .c files except example.c and minizip.c; compile with `-DZLIB_DLL`

The zlib DLL support was initially done by Alessandro Iacopetti and is now maintained by Gilles Vollant <info@winimage.com>. Check the zlib DLL home page at <http://www.winimage.com/zLibDll>

From Visual Basic, you can call the DLL functions which do not take a structure as argument: compress, uncompress and all gz\* functions.

See contrib/visual-basic.txt for more information, or get <http://www.tcfb.com/dowseware/cmp-z-it.zip>

- For 64-bit Irix, deflate.c must be compiled without any optimization. With `-O`, one libpng test fails. The test works in 32 bit mode (with the `-n32` compiler flag). The compiler bug has been reported to SGI.

- zlib doesn't work with gcc 2.6.3 on a DEC 3000/300LX under OSF/1 2.1 it works when compiled with cc.

- on Digital Unix 4.0D (formerly OSF/1) on AlphaServer, the cc option `-std1` is necessary to get `gzprintf` working correctly. This is done by configure.

- zlib doesn't work on HP-UX 9.05 with some versions of `/bin/cc`. It works with other compilers. Use "make test" to check your compiler.

- `gzdopen` is not supported on RISCOS, BEOS and by some Mac compilers.

- For Turbo C the small model is supported only with reduced performance to avoid any far allocation; it was tested with `-DMAX_WBITS=11 -DMAX_MEM_LEVEL=3`

- For PalmOs, see <http://www.cs.uit.no/~perm/PASTA/pilot/software.html>  
Per Harald Myrvang <perm@stud.cs.uit.no>

Acknowledgments:

The deflate format used by zlib was defined by Phil Katz. The deflate and zlib specifications were written by L. Peter Deutsch. Thanks to all the people who reported problems and suggested various improvements in zlib; they are too numerous to cite here.

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Mark Adler

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[madler@alumni.caltech.edu](mailto:madler@alumni.caltech.edu)

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