

Progress OpenEdge 11.4.0.0 Readme

Ports: All

Date: August, 2014

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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)

----- PRODUCT NOTES for 11.4.0.0

a. ADE Tools and Runtime

PSC00288127 : A .df with ADD of a field with init "" now loads

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A .df that contains an ADD of a field with init "" (blank) always loads. In prior releases, this was silently ignored. This behavior change was implemented to be consistent with a .df containing an UPDATE with init "", and avoids problems with schema comparison and generation of an incremental .df when databases are loaded with seemingly similar data.

Having blank as initial value in a data-type that does not support it has no negative effect at run-time. The ABL uses the default initial value that corresponds to the data-type.

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

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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

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

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+

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

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

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

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

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 or 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.

PSC00240288 : The DynamicsVersion session property must be manually updated

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 workaround 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

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

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

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

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

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

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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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 SmartFrames 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

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"

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

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

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

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

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

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.

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

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.

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

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.

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

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.

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

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.

PSC00168877 : The DataView does not support Dynamics Comments and Auditing

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

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.

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.

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.

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)

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.

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.

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.

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

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.

PSC00129241 : Double Dot Path Notation Causes Failure

When using Netscape WebServers with an NSAPI messenger, the WebServer might general protection fault if passed a .gif file location that uses a double dot path notation that goes higher than the docroot, for example, ..\msthemes\auto.gif.

To avoid this problem when using an NSAPI messenger, do not specify .gif file locations using double dots if that notation goes higher than the docroot.

PSC00129056 : Netscape Default HTTPS and SSL Support

The AppBuilder uses two OCX controls for remote file management (RFM) for WebSpeed. One of these controls, CIHTTP v4.00.002, comes from Crescent. According to current Crescent FAQ documentation on their Web site, OCX controls do not work with a secured server.

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

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)

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

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 GUIREND / SmartToolbar in this document.

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

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

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

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. AdminServer

PSC00300910 : AdminServer timestamp format change

The timestamp format for the OpenEdge AdminServer log file has changed. The new timestamp format matches the OpenEdge database log file timestamp format and now includes millisecond and timezone information.

d. AppServer

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.

e. DATASERVER

PSC00305085 : Establishing backward compatibility to older server versions

A Username\Password encryption feature is implemented in the OE 11.4.0 release for MS SQL Server and Oracle DataServers. With this new feature, the client passes encrypted usernames and passwords to the server. Encryption of credentials have compatibility with versions of the DataServer clients and servers going forward, but a pre-11.4.0 DataServer Server has no support for the encrypted credentials. When a DataServer client tries to connect to an

earlier version of the DataServer Server, it fails to decrypt the credentials, and a connection failure results.

To establish backward compatibility with older versions of the DataServer servers, use the connection-time switch "-znoencrypt". This switch re-establishes backward compatibility, but disables the encryption feature for that connection.

PSC00286870 : A LOB copy generates an ORA-600 error with Oracle 12c

Certifying Oracle 12c with the Oracle DataServer for Open Edge 11.4.0 identified three scenarios with copying LOB fields that generate an Oracle error -600:

Scenario #1: the source LOB object and destination LOB object are empty LOBs. For example:

COPY-LOB c1 TO c2.

Scenario#2: the destination LOB object has some content in it, and the source LOB object is empty. For example:

COPY-LOB FILE "text10.txt" TO c1.

COPY-LOB c2 TO c1.

Scenario#3: the source LOB object has some content and tried to copy to an empty LOB with a "FOR <length>" clause with a zero value. For example:

COPY-LOB FILE "text10.txt" TO c1.

COPY-LOB c1 STARTING AT 2 FOR 0 TO c2.

Oracle bug 18442517 reports this issue in Oracle 12.1.0.1. The fix for the bug will be included in Oracle release 12.1.0.2.

PSC00260146 : ROWID designation for unique cluster indexes & PK/Unique Constraint definition

Prior to OpenEdge 11.3.1 release, selecting "Migrate constraints" option during a DataServer migration to MS SQL Server, designated an explicit clustered index as ROWID irrespective of its uniqueness attribute.

This functionality has been enhanced to restrict ROWID designation only to indexes that are unique. When no unique index is identified, the search for an eligible ROWID candidate continues in the migration process.

The new functionality also continues to look for a non-clustered Primary constraint designation even if a ROWID candidate has already been found. This will ensure that, wherever possible, tables receive a primary constraint designation whenever a unique and mandatory index candidate is available from the table.

Release 11.3.1 also puts a restriction on Unique and Primary constraints defined through the "Server Attributes" option of the MS SQL Server DataServer pull down of the Data Administrator. A MS SQL Server DataServer only allows "Unique" and "Primary" constraint creation based on unique indexes. This was not required in releases prior to OpenEdge 11.3.1 and could cause an erroneous ROWID selection during migration. The problem is corrected by requiring index uniqueness of both "Primary" and "Unique" constraint definitions. Any "Primary" and "Unique" constraint definitions based on non-unique indexes prior to release 11.3.1 must be corrected in your OpenEdge constraint definitions or modified in the SQL of the *.df files for migration when the generated constraints are not based on unique indexes.

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

Position-independent rcode is "independent" of the physical position of a column in the foreign data source. That is, column positions in the server table can be rearranged without the need to recompile. However, introducing a new column or deleting an existing column from an existing record structure always requires the r-code to be recompiled against the new schema layout. The r-code is dependent only on a logical identification of the column, and not the physical position of the column. The logical identification, in the OpenEdge database, takes place before migrating to a foreign data source, and the logical identification does not change once the column is defined in the OpenEdge table. When the columns are rearranged on the server, the code need not be recompiled, but the foreign schema must be pulled back into the schema image. This is to ensure that the new physical position of a column is matched in the schema to the logical identifier that is also known to the r-code.

You can only run r-code or load data (.d file) while connected to a schema image that is derived from the same database that was migrated and connected to the server when the code was first compiled and/or the data was first dumped. This ensures that the same logical column identifier is preserved after migration and/or after any subsequent schema pulls.

Note: When the server table is re-pulled into the same schema image (after the columns are rearranged on the server), the logical column identifier is re-matched to the physical column position so that the r-code can find again the column in a run-time application.

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 along side 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.

Conside a table named "test" on SQL Server side with the sturcture 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.
```

PSC00306698 : Native sequence restarts from Initial values on recycle.

While performing schema migration of OpenEdge Sequence objects and pulling them back into the schema holder, users can now map OpenEdge sequence objects to MS

SQL Server Native Sequence objects using MS SQL Server Native sequence. All ABL sequence operation can now call MS SQL Server native sequence operation.

-To change the CURRENT-VALUE of a sequence and set it to a value within the boundaries of Minimum and Maximum Sequence value as SET CURRENT-VALUE(<seqname>)=<val>.

-To obtain the value of the next sequence object, use NEXT-VALUE(<seq>). The NEXT-VALUE function returns the incremented value of the current sequence value.

There is one anomaly in the OpenEdge sequence behavior of these functions when hitting the maximum sequence value using a native sequence and the recycle option in combination. It is as follows:

While using DataServer for MicroSoft SQL, if a user sets the current value of a native sequence, the start value is modified with the value provided in the SET CURRENT VALUE statement. If the NEXT-VALUE is called in a repeated loop till it reaches the maximum value of the sequence with the Cycle option active, the NEXT-VALUE restarts from the native sequence start value that is set by the last SETCURRENT-VALUE operation. It does not restart from the start value when the sequence was created. If the SET CURRENT-VALUE is not called, the NEXT-VALUE restarts with the start value that is set when the sequence is created.

PSC00261271 : A FOR EACH exclusive-lock with no index results in unexpected behavior

A FOR EACH exclusive-lock on a table with no index and with no designated ROWID in the schema holder always results in an unexpected behavior.

PSC00257433 : Creating a NVARCHAR(MAX) record gives Max Limit error

Creating a NVARCHAR(MAX) record gives Max Limit Exceeded error when the Unicode Database is created with "UTF-8" codepage but connects to the schema holder using "-1252" codepage. The problem only occurs when the buffer is at a specific size, and is specific to WINDOWS 2008 R2 64-bit machine.

You can work around this issue in two ways:

- Connect to the schema holder with the "UTF-8" codepage.
- Reduce the buffer size by 4 bytes.

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

32-bit and 64-bit data server 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

Position-independent rcode is "independent" of the physical position of a column in the foreign data source. That is, column positions in the server table can be rearranged without the need to recompile. However, introducing a new column or deleting an existing column from an existing record structure always requires the r-code to be recompiled against the new schema layout. The r-code is dependent only on a logical identification of the column, and not the physical position of the column. The logical identification, in the OpenEdge database, takes place before migrating to a foreign data source, and the logical identification does not change once the column is defined in the OpenEdge table. When the columns are rearranged on the server, the code need not be recompiled, but the foreign schema must be pulled back into the schema image. This is to ensure that the new physical position of a column is matched in the schema to the logical identifier that is also known to the r-code.

You can only run r-code or load data (.d file) while connected to a schema image that is derived from the same database that was migrated and connected to the server when the code was first compiled and/or the data was first dumped. This ensures that the same logical column identifier is preserved after migration and/or after any subsequent schema pulls.

Note: When the server table is re-pulled into the same schema image (after the columns are rearranged on the server), the logical column identifier is re-matched to the physical column position so that the r-code can find again the column in a run-time application.

PSC00242399 : Existing MSS logical schema requires an update to enable certain LOB operations

In MS SQL DataServer, partial LOB operations with non-native MS SQL Server drivers had resulted in an error. The schema image has been modified to include additional information that allows for important LOB data type distinctions in the non-native drivers. As a result, a newly created logical schema with re-pulled server definitions will no longer experience errors when non-native drivers are processing DataServer LOB operations. If you want to successfully

use an existing logical schema with non-native driver connections, you must first run the attached, upd_sqlcols_buf.p, script and then re-pull your table definitions with LOB data types from the server into the schema holder database.

PSC00241769 : Unicode datatypes mapped to OE CHARACTER truncated during data comparison

In the previous releases, only Non-Unicode data was truncated during data comparison, while an equivalent Unicode character datatype issued an error due to the size mismatch of the comparison. To resolve this issue, Unicode datatypes in MS SQL Server mapped to the OpenEdge CHARACTER datatype in database tables (defined in the schema holder), get truncated during data comparison with other Unicode character columns or expressions defined in a WHERE clause. (This is similar to the non-Unicode data types behavior.) This is done to achieve compatibility with the OpenEdge database which currently performs this same WHERE clause value truncation. Therefore, the new behavior provides consistency across all (Unicode and non-Unicode) character types.

PSC00225578 : Computed column support enabled by MSS DataServer prior to MS SQL Server 2005

Computed columns are resolved differently in the server schemas prior to MS SQL Server 2005 when compared to how they are resolved in MS SQL Server 2005 and later versions. This fix properly resolves computed columns in server schemas prior to MS SQL Server 2005 so that computed columns are now correctly identified by the DataServer in all supported releases of MS SQL Server.

PSC00223191 : ZPRGRS_RECID_BUF_SIZE Option minimum value changed from 44 to 52

The minimum RECID buffer size has changed to 52 (from 44).

The ZPRGRS_RECID_BUF_SIZE option allows the RECID buffer size to be configured to a customized size for the DataServer session.

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.)

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.

PSC00251163 : Recompile r-code in 11.2.1/11.3.0 from OpenEdge 11.2 or previous 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 due to the byte ordering of data stored in r-code compiled against any DataServer (ODBC, MSS, or ORACLE). The byte-ordering of r-code storage and run-time retrieval affects run-time capabilities on both Little Endian (LE) and Big Endian (BE) machine types.

f. DB

PSC00309264 : Concurrent use of idxcheck all and create partition may deadlock

Do not execute idxcheck all while defining Table Partitioning partitions. A deadlock situation between these two operations is possible. The deadlock will resolve itself when one of the two operations times out at 30 minutes. Manual intervention by killing one of the operations will also resolve the deadlock.

The index check command specifying a particular table will not deadlock, even if that table is a partitioned table and a partition is added while the idxcheck is executing.

PSC00301809 : Binary Dump and Load with DOUBLE datatype

The .bd file produced by binary dump and used by binary load contains the records in machine independent format. Progress has learned that for DOUBLE fields (_field._data-type = "double") - the dump contents was not properly stored in machine independent format. This is a problem when the binary load target is on a system of a different endian than the binary dump source from which the .bd file was created.

A solution is implemented in 10.2B0814, 11.3.3, 11.4.0.

This solution uses a previously unused byte in the .bd file header. Binary dump now includes an indicator for the endian of the source database.

Binary load now reads the indicator field and does one of the following:

- If the load target is the same endian as the source, it proceeds as it did before
- If the load target is a different endian than the source, as DOUBLE datatype

records are loaded they are converted to the appropriate format

- If the indicator is missing (this is a binary dump file from an earlier release), the schema is checked for the presence of DOUBLE datatype.

- If there is none, the load proceeds as it did before.

- If a DOUBLE datatype is present, binary load will ask the user to supply the endianness of the source and then proceed as indicated:

Please tell the endianness of the source machine where the .db file was generated from so the data can be loaded accordingly.

0 - The endianness of the source machine is unknown, abort the operation.

1 - The endianness of the source machine is the same as the current one.

(Both are big or little endianness machines)

2 - The endianness of the source machine is different from this one.

(One is big endian machine and the other is little endian machine)

Please input your choice:

PSC00220715 : dbutil.bat supports nine command line parameters

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.

PSC00299582 : Utilities performing index operations on a UTF-8 database requires -cpinternal UTF-8

Utilities performing index key operations within PROUTIL require you to include "-cpinternal UTF-8" on the command line when operating on a UTF-8 database. If PROUTIL detects that your database is a UTF-8 database and -cpinternal UTF-8 is not specified, a message is generated and the utility exits.

The utilities are: LOAD, IDXACTIVATE, IDXFIX, IDXCHECK, IDXBUILD, CONV1011, PARTITIONMANAGE SPLIT, PARTITIONMANAGE MERGE, PARTITIONMANAGE TRUNCATE, and TPIDXBUILD.

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.

g. Doc

PSC00309122 : Documentation corrections for ABL API for Multi-tenant and Table Partition Management

In "OpenEdge Development: Programming Interfaces", several features and examples are documented but are not implemented in this release.

The examples shown in the following sections are not supported:

- "Renaming a partition policy"
- "Rename of a partition policy detail"
- "Finding last by value section" is not supported.

The following features are not implemented

- The Table Partition property IsReadOnly, documented in Table 115.
- The Table Partition Maintenance IPartitionPolicy detail interface property IsDataEnabled, documented in Table 117. (IsDataEnabled is in use for tenants and is inherited from a common interface.)

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

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.

PSC00236766 : Infragistics assembly and namespace changes in version 2011.1

With support for Infragistics Version 2011.1, several of the assemblies, DLL's, and corresponding namespaces have been changed in OpenEdge Release 11.0.

As a result, you will need to change any existing code that uses the affected assemblies.

To see a list of the changes:

1. Go to the following URL:
http://help.infragistics.com/NetAdvantage/WinForms/2011.1/CLR2.0/html/Win_Deployment_Overview.html.
2. Select the link, "Known Issues and Breaking Changes".
3. Select the link, "Breaking Changes in 2011 Volume 1".

PSC00310496 : IDXCOMPACT and IDXMOVE support "composite initial"

In the book, "OpenEdge Data Management: Database Administration", the reference entries for PROUTIL IDXCOMPACT and PROUTIL IDXMOVE are missing the "composite

initial" option. The "composite initial" option specifies that the utility is to operate on the composite initial partition of a table-partitioned table. Use "composite initial" instead of "partition 'partition-name'" in the syntax.

PSC00183192 : Search of PDF files for UNIX Platforms

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 oeidix.pdx file and choose OK.

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

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.

PSC00183190 : Accessing online help for CSCOMBO ActiveX Control

If you press F1 to get help on the CSCOMBO ActiveX Control, you will get an error indicating it cannot find the help file. To access the help for the CSCOMBO ActiveX Control, do the following:

1. Select Start->Program->OpenEdge->Help. The OpenEdge Online Help file appears.
2. In the left pane, double-click the ActiveX Control Help folder to expand it. Then, select the CSCCombo Control help topic.

PSC00183184 : Online Help unavailable for editor's dialog boxes

Online help for dialog boxes in the Procedure Editor is not available. The Help buttons on the dialog boxes do not work because the color-coding editor control only supports MicrosoftRTM WinHelp (.hlp) files and not MicrosoftRTM HTML (.chm) files.

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.

PSC00183600 : Installation of Failover Clusters -- Windows

You must ensure there are no active instances of the Cluster Administrator utility prior to installation. To do this, use the Windows Task Manager to check for processes running the cluadmin.exe image. If a user associated with an instance of the Cluster Administrator is not readily identifiable, these processes can be forcefully terminated as follows:

1. Within Task Manager, select the cluadmin.exe process and press the End Process button.
2. Answer yes to the popup dialog asking if you really want to terminate the process.

Failure to shut down all instances of the Cluster Administrator tool results in a partial installation and fails to properly register the resource and administrator extension DLLs, causing cluster management to fail.

PSC00183187 : Accessing online help for CSSPIN ActiveX Control

If you press F1 to get help on the CSSPIN ActiveX Control, you will get an error indicating it cannot find the help file. To access the help for the CSSPIN ActiveX Control, do the following:

1. Select Start->Program->OpenEdge->Help. The OpenEdge Online Help file appears.
2. In the left pane, double-click the ActiveX Control Help folder to expand it. Then, select the CSSpin Control help topic.

PSC00310551 : JSDO doc unclear about when members return null

The documentation on JSDO methods and properties is not clear about when null or undefined is returned. In other words, in some cases, not yet identified, the documentation says that a given method or property returns null when, in fact, it returns undefined; or the opposite: that another method or property returns undefined when, in fact, it returns null.

h. GUI

PSC00244792 : Behavior changes when cropping and stretching images

In OpenEdge releases earlier than 11.3, cropping images (using the FROM option of the Image phrase, or the optional parameters of the LOAD-IMAGE () method) and stretching images (using the STRETCH-TO-FIT attribute of the IMAGE widget) did not always work as specified. In many cases, the cropping and stretching were ignored or were performed incorrectly. These issues are fixed in OpenEdge Release 11.3. Applications which use these features may display images differently than in earlier releases.

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 2010 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 2010 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.

i. Install

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.

PSC00228408 : OpenEdge support on Windows XP

OpenEdge supports Windows Service Pack 3 and later for the Windows XP platform.

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.

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.

PSC00301253 : The prompt to install 32-bit WebClient does not appear

After you uninstall a 32-bit WebClient and a 32-bit application, when you try to re-install the application, the prompt to install 32-bit WebClient does not appear because when you uninstall the WebClient, the file associations for prowcapc.dll are removed.

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.

j. LANG

PSC00294516 : Concurrent performance adding _aud-audit-data is improved

The concurrent performance of adding _aud-audit-data rows has been improved in this release. When creating an _aud-audit-data row, the AVM no longer gets an EXCLUSIVE-LOCK on the _Db table. This lock was causing 2 or more sessions to get lock conflicts on the _Db table when adding _aud-audit-data rows. The removal of the _Db lock allows multiple sessions to add rows without getting lock conflicts.

PSC00279553 : Using a CONTAINS clause with TABLE-SCAN will result in an error

Using a WHERE string with a CONTAINS clause in conjunction with TABLE-SCAN will no longer run or compile. For example:

FOR EACH customer WHERE Comments CONTAINS "house" TABLE-SCAN:

Attempting to compile code including this line will result in an error. If there is already r-code built with a pre-11.4 version of OpenEdge, running this will result in a runtime error.

PSC00269838 : R-code Expression Code Segment Size Increase

In 11.3.2 and above, the maximum size of the expression code segment of an r-code file is increased from 4MB to 8MB.

PSC00253828 : XREF output lines are no longer truncated at 1535 characters

As of OE 11.3.1 and 11.4.0, XREF output lines are no longer automatically truncated at 1535 characters. An output line may still be truncated depending on the amount of memory available, but the limit will typically be much larger than 1535 characters.

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.

PSC00253439 : Flow-of-control in a FINALLY block has changed behavior in some cases

The ABL allows you to put flow-of-control statements (e.g., RETURN, LEAVE) into a FINALLY block and also to throw an error out of that block. Since you can also do these things in the associated code block, the runtime defines rules that govern this situation.

The common purpose of a FINALLY block is for cleanup code that needs to be done whether an error occurred or not. FINALLY is not intended to override something that was done in the main part of the block. Nevertheless, the ABL allows you to code two conflicting statements (one in the main part of the block and one in the FINALLY block), and there are rules for how the ABL behaves when you do this.

The general rule is that the last action takes precedence. If two errors are thrown, one from the main block and one from the associated FINALLY block, you only get the second error, which is from the FINALLY block. Additionally, if the associated block and the FINALLY block return values, you only get the second value. For example, if you RETURN 10 from a function and then RETURN 2 from the associated FINALLY block, the function returns 2.

However, through version 11.3, a simple RETURN statement in a FINALLY block (of a procedure) would not only act as a flow-of-control statement, but would also cancel out any error that was thrown out of the associated block. This was deemed inappropriate and has been changed in subsequent versions. Below is a more complete description of the two changes that are occurring in 11.4 and beyond:

1. Simple flow-of-control statements (RETURN, NEXT, LEAVE, RETRY) do not have error handling implications. They will no longer override an error condition thrown from the associated block. The error condition takes precedence. This applies to procedures that do a RETURN, NEXT, RETRY, or LEAVE in a FINALLY block or functions that do NEXT, LEAVE, or RETRY in a FINALLY block.

Unlike other flow-of-control statements, the behavior of "RETURN <value>" in the FINALLY block of a function has not changed, given that this statement also sets the return value. In addition, there is no change if you have LEAVE in the main part of the block and NEXT in the FINALLY block. The NEXT will take

precedence.

A "RETURN <string>" from the FINALLY block of a procedure will also not override any error thrown out of the associated block, but it will continue to set RETURN-VALUE.

2. If there is a "RETURN ERROR" in a function body and a "RETURN <value>" in the FINALLY block, the AVM used to ignore the error (for historical reasons) and therefore set the return value to Unknown. Now, the AVM will still ignore the error, but the FINALLY statement will return the specified <value>. This used to behave opposite to our rule that the action in the FINALLY block takes precedence over the action in the associated block. The RETURN ERROR would take precedence (even though it did NOT raise an error) by controlling the return value. Now the RETURN <value> in the FINALLY block takes precedence.

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.

PSC00183953 : Xmethods Web services used for demonstration in samples

This product and accompanying documentation contain references to the Weather - Temperature and StockQuotes XMethods Demo services provided by XMethods, Inc. (www.xmethods.net). Copyright 2003 XMethods, Inc. All rights reserved. Any use of these services by you shall be for demonstration purposes only.

PSC00169627 : Memory violation when connecting to a Web Service on AIX 5.3

In order to use WebServices on AIX 5.3, the minimum Operating System requirement is AIX 5.3.04. You can find the version of AIX you are running using the oslevel -r command.

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

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.

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).

k. Management

PSC00261709 : OpenEdge Management/Explorer configuration databases cannot be reused with 11.4

Due to changes in third party libraries, you will need to migrate the configuration database from 11.3 to 11.4 using the normal process (fathom -dump/-load). The graph cache database cannot be migrated between the versions and you will need to ensure the database is not reused with 11.4 by either removing the graph cache or using a different OpenEdge Management working directory.

PSC00306049 : New policy detail has partitions for all indexes

The DataAdmin ABL API for Table Partition Management `PartitionPolicyDetail:Partitions` collection includes partitions for all indexes when referenced before the `PartitionPolicyDetail` is created. The collection should only contain partitions for the indexes that are defined as local. Partitions for global (non-local) indexes are ignored when the `PartitionPolicyDetail` is created.

PSC00305473 : Authentication error with the ABL API for Table Partition Management split command

Authentication parameters (-U/-P) supplied to an ABL client do not get passed to the ABL API for Table Partition Management split command, and the split may fail with an authentication error.

Use the PROUTIL PARTITIONMANAGE SPLIT command instead.

PSC00305469 : PartitionSplitUtility not supported for UTF-8 databases

The ABL API for Table Partition Management class, PartitionSplitUtility, requires session:cpinternal to split partitions in a UTF-8 database.

Use the command line utility, PROUTIL PARTITIONMANAGE SPLIT with the "-cpinternal UTF-8" qualifier to perform the split partition function on a UTF-8 database.

PSC00260374 : Cannot open Help for Remote AdminServer Config

Clicking on Help for Remote AdminServer Configuration does not open the help topic. To open this topic, expand the contents tree and navigate to "Setting up Remote Resource Monitoring and Configuration" under "OpenEdge® Management and OpenEdge Explorer: Getting Started".

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.

PSC00309169 : Partitioning option is incorrectly enabled for pre-11.4 databases

The Table Partitioning "enable" option under "Database Features" for pre-11.4 databases is incorrectly enabled. This option should be disabled because the Table Partitioning feature is not available for 11.3 and earlier databases.

PSC00306659 : Remote monitoring keyStorePath value is ignored

The value of the remote monitoring keyStorePath property, that is set in the management.properties file, is ignored. Even if the keyStorePath value is changed, the key store is searched for at the default path (\$DLC/keys).

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).

1. NETUI

PSC00211451 : All dates exchanged between ABL and .NET are now the same except

All dates going from .NET to ABL and from ABL to .NET will be exactly the same except for 12 days. These are the dates 2/29 in the leap years that are represented by the Julian Calendar (on the Progress side) but not represented by the Gregorian Calendar (on the .NET side).

(Since the Gregorian Calendar was not created until 10/15/1582, the .NET DateTime implementation is not correct.)

These dates are:

2/29/100
2/29/200
2/29/300
2/29/500
2/29/600
2/29/700
2/29/900
2/29/1000
2/29/1100
2/29/1300
2/29/1400
2/29/1500

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.

m. OEBPM

PSC00258162 : Dataslot name cannot have sessionId as a keyword.

Dataslot name cannot have sessionId as a keyword.

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.
```

PSC00310769 : Server does not start in Standalone BP Server installation

If the BP Server component is the only component installed on a system and the database for OE BPM is configured and running on a remote system, on starting the OE BPM servers the following error message is returned:

```
"Can Not load the library procfg.dll"
```

To work around this issue, copy the procfg.dll, from the system where the database is running, to the DLC\bin folder of the system, where BP Server component is the only component installed. Then, restart the servers.

PSC00293598 : Run DB Adapter with new DB without server restart.

Users can now configure and run the DB Adapter with D2C and EasyI databases without restarting the BP server. Modifying the sbmcommondb-ds.xml to configure the DB adapter was necessitating a restart of the BP server. Instead, the users

should create a new XML file with the suffix "-ds.xml", for example: easy1-ds.xml/d2c-ds.xml and copy this file into the location \${OEBPM_HOME}\jboss\server\ejbServer\deploy\bmjdbc. This file contains the <local-tx-datasource> node, which holds the Easy1/D2c configuration

A sample easy1-ds.xml will be as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<datasources>

    <local-tx-datasource>
        <jndi-name>jdbc/Easy1JNDI</jndi-name>
        <!-- Change to DB specific connection-url and driver-class -->

<connection-url>jdbc:datadirect:ddcloud://das-qa-int.palette-test.progress.com;
databasename=MyDataSet</connection-url>

<driver-class>com.ddtek.jdbc.ddcloud.DDCloudDriver</driver-class>
    <use-java-context>>false</use-java-context>
    <user-name>asmishra</user-name>
    <password>Originalpassword</password>
    <min-pool-size>5</min-pool-size>
    <max-pool-size>40</max-pool-size>
    <idle-timeout-minutes>5</idle-timeout-minutes>
    <blocking-timeout-millis>5000</blocking-timeout-millis>

<prepared-statement-cache-size>50</prepared-statement-cache-size>

<transaction-isolation>TRANSACTION_READ_COMMITTED</transaction-isolation>
    </local-tx-datasource>

</datasources>
```

PSC00288315 : Service Connection Details dynamically to OpenEdge

The service connection details can now be provided to OpenEdge dynamically and OpenEdge Adapter does not get suspended in OpenEdge BPM Portal.

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.

PSC00308519 : Migration to Jboss EE

The utility to migrate OEBPM from JBoss CE to Jboss EE only works if installation OpenEdge installation has no spaces in file path.

n. Open Client

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

PSC00305831 : Eclipse toolbar cannot be moved or resized in Progress Developer Studio for OpenEdge 11.4

The Eclipse toolbar cannot be moved or resized in the products using Eclipse 4.3.1 because of the way Eclipse handles the custom products in 4.3 as compared to 3.* versions.

Here is a workaround:

1. Open the \$DLC\oeide\eclipse\plugins\com.progress.tools.branding_2.4.0\plugin.xml file in any text editor.

2. On line number 6, below the line

```
<product application="org.eclipse.ui.ide.workbench" name="%productName">
```

add this snippet:

```
  <property
    name="applicationCSSResources"
    value="platform:/plugin/org.eclipse.platform/images/">
</property>
```

3. Restart Eclipse with the -Clean option (Progress Developer Studio for OpenEdge users can click the Developer Studio -Clean from Start->All Programs->Progress->OpenEdge).

PSC00292295 : Opening help from PDSOE causes SAXParseException

A bug in Java causes a SAXParseException when parsing large xml files, including the PDSOE help. This exception does not affect the documentation search, and can be safely ignored.

The Java bug was introduced in version 1.7.0_45, the JDK version used by PDSOE,

and it has been fixed in Java version 1.8.

See the following link for more details.

<https://bugs.openjdk.java.net/browse/JDK-8028111>.

PSC00261426 : Workaround for AVM shutdown after adding Mobile annotations to files in a WebSpeed project

Adding Mobile annotations to files in a WebSpeed project causes the AVM to shut down and not start again. To ensure that the AVM works properly, close the corresponding WebSpeed project (by selecting "Close Project" from the project's context menu) and then, reopen the project (by selecting "Open Project" from the project's context menu).

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.

PSC00307081 : Correct Indentation operation may corrupt AppBuilder code

Invoking the "Correct Indentation" operation in the Text Editor while editing an AppBuilder source code may result in the loss of the generated code or for the code to be corrupted, as a result of the changes made through Property Sheets. One such known instance is when private data is added to a widget using the Advanced Property Sheet.

PSC00283872 : Class Cache preference option must be changed to avoid compilation error

Removing existing using statements after performing the Organize USING Statements operation causes a compilation error, which can be avoided by changing the Class Cache preference option as shown below.

The Organize USING statements operation consults the CodeModel to get the details of the types that are referenced in the ABL code. This model is built based on the Class Cache preference options, which can be accessed by selecting Windows -> Preferences -> Progress OpenEdge -> Advanced -> Class Cache.

To build the code model for the respective PROPATH entries of an OpenEdge project:

1. Change the "Limit scope of cache class information to" option from the default selection Workspace to PROPATH.
2. Click "Refresh Now".

After changing the Class Cache preference option, the code model is built based on project's PROPATH entries and the Organize USING Statements operation functions as expected.

PSC00253143 : Facet version of imported projects need to be updated

When we use a older workspace or import a project (from 10.2B) into 11.4.x version of PDSOE, the project's facets (OpenEdge and AppServer) do not automatically get updated from 10 to 11 version. The user has to manually update the facet versions as specified below.

Go to Project's properties -> Select Project Facets Node -> Change AppServer's version to 11 and OpenEdge's version to 11 -> Click Apply -> Click Ok.

Once the facets are upgraded to version 11, creating a business entity will work as expected. The Mobile and REST facets will also be enabled.

PSC00251242 : Eclipse switches to the Console View when the OE Web Server writes to the log

Eclipse switches control from the Servers view to the Console view whenever OE Web Server writes log. This is standard Eclipse behavior where-in the Console view gets the control whenever the standard output or error streams change. The user can opt for not activating the Console view on standard output or error change by changing the Console preferences. This can be accessed by right clicking in the Console view and selecting Preferences... .

PSC00302858 : UltraLiveTileView designer fails to open

In the 14.1.20141.2035 version of Infragistics, Progress Developer Studio for OpenEdge Visual Designer can be used to drop the "UltraLiveTileView" ultra control. However, the control's designer fails to open when the "UltraLiveTileView Designer" option is invoked.

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, sqlcxp only works with a numeric port number

On Windows 7 platforms, sqlcxp 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

PSC00253889 : Multiple versions of OOABL overloaded methods cannot be exposed

When creating a REST or Mobile service using Progress Developer Studio for OpenEdge, you cannot expose multiple versions of overloaded OOABL methods.

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. SQL

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

ESQCL 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.

PSC00258844 : ODBC DefaultIsolationLevel (DIL) parameter now allows only

numeric values

With the introduction of version 6.1 of the Progress OpenEdge ODBC driver, the DefaultIsolationLevel (DIL) parameter has been changed to allow only numeric values while creating an ODBC data source name (DSN).

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.

PSC00261581 : STDDEV and VARIANCE introduced as new reserved words in OpenEdge SQL 11.3.1

In the release 11.3.1, SQL has introduced two reserved words STDDEV and VARIANCE. These words cannot be used as identifiers (as table names or column names).

PSC00211717 : Display of null array is changed.

=====

The ARRAY data type is a composite data value that consists of zero or more elements of a specified data type (known as the element type). If the result returned from an ARRAY data type is null, it used to be displayed as a string that consists of ? for each element and seperated by ;. To be consistent with all other data types, it will be changed to be displayed as null instead of a string with above format now. Same for the result returned from pro_element function.

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.

s. Server Technology

PSC00258200 : Sonic8.6 integration fails on HPUX IA64

=====

OpenEdge integration with Aurea 2013 fails on the HPUX IA64 platform. Upgrading the Java version, from 1.6 to 1.7, causes the Sonic Domain Manager to fail to start, and consequently the Sonic MQ and ESB Integration fails.

The Aurea Dev team has created a patch that can be downloaded from:

<https://aureasoftware.thruinc.net/ExDn.aspx?id=023LG9G41CF&script=true>

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.

t. 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

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)

PSC00183961 : Do Not Use Notepad to Edit .htm Files

Do not use Notepad to edit the webclient.htm file or bootstrap.htm file for customizing your application install. When Notepad saves the file, it changes the line terminator characters and may make the file work improperly in the browser.

PSC00183171 : The WebClient install does not accurately calculate disk space required

The WebClient install does not accurately calculate the amount of disk space required on the client side to do the install. Prior to the install the user should probably have around 25 meg of available disk space. Some of this is for temporary storage of installation files.

LIST OF ISSUES ADDRESSED

a. ADE Tools and Runtime

PSC00300460

When an error occurs while saving a temp-table record in AppBuilder code, index corruption occurs resulting in the below error. This is repeatable corruption that can be demonstrated at will.

SYSTEM ERROR: Index _x-recid-col in _BC for recid 69896 could not be deleted.
(1422)

PSC00298294

The AppBuilder Column Editor does not enable the Format for a static SmartDataBrowse.

PSC00297878

The Temp-db maintenance tool breaks the label & column-label definitions for fields (likely other strings as well), if session is started with -cpinternal UTF-8 -cpstream 1252, if the source include imported is also in 1252 codepage.

Accented characters and other characters that would be multi-byte in UTF-8 encoding results in severely corrupted strings - multiple characters can go missing and/or parts of other strings get concatenated into the definitions.

PSC00290990

=====

Errors due to missing files or methods in a procedure being edited in the AppBuilder may erroneously cause "Compile arguments provided to the RUN statement, but could not find procedure 'adecomm/_s-alert.p'. (14427)" to appear instead of the true error message.

PSC00290700

=====

Error "_storageobject record not on the file(138)" when trying to add index on a ODBC DataServer Schema Holder using character client.

PSC00290435

=====

When a widget in a dialog window is linked to a database field and when editing the code warning message 4058 is displayed. If another event is created same message is displayed.

PSC00286760

=====

Data Administration - Cannot Load Application Auditing Events and Database Options

PSC00269745

=====

String comparison checking for changes in trigger's path between two schemas ignores changes in casing which can cause the trigger location to be inaccurate on Unix systems, where paths are case sensitive.

PSC00267818

=====

Pressing Ctrl+S in a dialog in AppBuilder does not open the Section Editor. The key combination works as expected in a Window.

PSC00267783

=====

load ApplicationAuditEvents fails with 100%AcceptableErrorPercen

load Application Audit Events fails with 100% Acceptable Error Percentage, if the new file has duplicate records with the current file.

PSC00259178

=====
Cannot load delta.df generated by Progress

When loading a Progress generated delta.df with "DROP DATABASE <dbname>" contents, the process failed with error "(138) _Db record not on file."

PSC00257643

=====
Error 3166 when selecting Show Hidden in Data Administration

Error 3166 occurs when checking "Show Hidden" in the Select Tables dialog for Dump / Load Data Definitions if there is a SQL View present in the database that has the same name as a database table.

PSC00255724

=====
Incremental df between multi-tenancy DBs cause warning

The following warning is returned when creating an incremental df between a multi-tenancy database with only a default tenant and a multi-tenancy database with multiple tenants:

WARNING: The index "index1" in database "source" is identical to the index "index1" in database "target" except they are in different database AREAS. The incremental dump utility cannot be used to change database AREAS. Create AREAS with the "prostrct" utility and move indices with the "proutil idxmove" utility. See the OpenEdge Database Administration Guide and Reference for details.

PSC00255467

=====
If you drop multiple instances of the same field into different frames you cannot add triggers or locate triggers on any of these fields. If any trigger existed on one of the fields before the second was added, you will get error "Entry 6 is outside the range of list (560)" if you select the trigger in the Section Editor combo-box.

PSC00250444

=====
Using the Modify First button within causes error (16512)

When using the GUI Data Dictionary to create a new field by copying another field, there is a button called Modify First. Selecting that button causes error (16512).

PSC00250130

RefreshBrowse removes record from smartDataBrowse

RefreshBrowse removes record from smartDataBrowse with SDO built against a temp table.

PSC00248998

=====

Dynamics Admin user can create users for other companies

An Admin user that has access to a single company can create users for other companies.

PSC00235187

=====

DATETIME-TZ values corrupted by AppBuilder in Freeform query

If the query in an AppBuilder generated browse contains a WHERE clause with datetime-tz values and the query is converted to a freeform query, the AppBuilder replaces the colons in the datetime-tz value with periods, thus corrupting the value.

b. Adapter for SonicESB

PSC00289874

=====

STOP condition on the AppServer causes the AppServer agent to hang in the LOCKED state when calling a persistent procedure from the ESB Native Adapter.

PSC00286618

=====

connection timeout to an application server as an Openedge Adapter for Sonic ESB 8.5 adapter (the client).

PSC00257622

=====

OpenEdge Native Services MF container hangs

Cannot shutdown OpenEdge Native Services containing MF container if network fails

c. Adapter for SonicMQ

PSC00258558

=====

Error 1353 when stepping over procedure within OEA debugger

When stepping over a procedure or method in a 4GL Adapter application the following error occurs.

d. AdminServer

PSC00298607

=====

When Database Administration Connections are selected for multi-tenant enabled databases the view remains at the Connections view in the left hand pane without error.

PSC00297213

=====

"Configured Products:" are not all populated from the licenses currently in use (per progress.cfg) and the version is not the current installed version (only FCS).

PSC00291922

=====

ubroker.properties does not reflect best practices for brokerKeepAliveTimeout.

PSC00291700

=====

Database fails to start with errors 13685 or 13187 if spaces or double quotes are used in the archivaldir directory path in the conmgr.properties

PSC00290819

=====

Root authorization fails from remote host when running dbman query on HP-UX

PSC00285790

=====

Adminserver java memory use grows about gradually when allowDiscovery is set to true. Eventually the AdminServer may run out of memory and crash.

PSC00249035

=====

For AdminServer to start database on localhost must list 127.0.0

For AdminServer to start database on localhost must list 127.0.0.1

e. AppServer

PSC00296214

=====

The AppServer registration mode of Register-LocalHost causes SSL hostname verification to fail if the AppServer certificate was generated with the Fully Qualified Domain Name (FQDN).

PSC00294077

=====

Appserver log incorrect rollover

PSC00293776

=====

Setting queueLimit to a finite value on AppServer message queue may cause dead lock scenario

PSC00290849

=====

Appserver generates Netbios calls in a network.

PSC00289239

=====

AppServer does not permit unbinding of the AppServer agent from the client if a persistent procedure that was executed on the server is deleted from the perspective of the server. This leaves an active client count, which causes the client count to climb up to a point where the number of clients setting is exceeded.

PSC00287955

=====

AppServer agent gets errors (5475) and (9407) intermittently when broker is started

PSC00286581

=====

Broker log file location with spaces is not recognized by Appserver

PSC00268027

=====

Error (12065) when starting DataServer broker

Error (12065) when starting DataServer broker on DataServer only installation.

PSC00259062

=====

Appserver does not start with a long PROPATH

OE 11 Appserver won't start if length of the PROPATH is greater than 1033 characters.

PSC00255884

=====

Error thrown from com.progress.open4gl.dynamicapi.Session when a

The error is encountered when using Java open client proxy to invoke an ABL procedure running on a Progress appServer and the error message is as:
com.progress.open4gl.Open4GLEException: Input result set error:
com.progress.open4gl.Open4GLEException: Stream protocol error tag = 21. (7189)
(7176)
at

com.progress.open4gl.dynamicapi.ExceptionConverter.convertToOpen4GLEException(ExceptionConverter.java:155)

The issue is reproducible on 10.2B02 and 10.2B04 both on windows and Linux.

PSC00252520

=====

Client connection is "off by one" of the maxClientInstance value

Currently the -maxClientInstance value is required to be n+1 if n is the desired client connection number while the name of the property implies that it should be possible to connect exactly the number of clients specified.

PSC00241201

=====

Appserver does not always start on first attempt

Occasionally during startup of an AppServer broker, one of the AppServer agents may die with errors (5487) and (5475) shown in the server log, subsequently causing the broker to crash.

f. Corticon Tools

PSC00283862

=====

Records which are created by a Decision Service are not returned in the output dataset/temp-table.

PSC00270113

=====

Calling a decision service with data containing decimal values from a non-American locale fails.

g. DATASERVER

PSC00305842

=====

The ABL client hangs instead of showing error 2624 with Oracle DataServer when a record is locked by another ABL session after upgrading the OE 10.2B06 service pack to OE10.2B07 or OE10.2B08 service pack.

PSC00302998

=====

The following exceptions are returned when 2 buffers defined against the same foreign dataserver table, but with different FIELDS definitions are evaluated in a WHERE clause:

FILL got error <number> creating record <buffer-name>. (11878)
Field <field-num> from <file-name> record (recid <RECID>) was missing from FIELDS phrase. (3782)

PSC00299204

=====

Cannot connect an OpenEdge 11.3.2 stateless AppServer to multiple Oracle databases using a pf file.

PSC00297383

=====

Intermittent client crash when querying Oracle DataServer after introduction of Datetime-TZ fields.

PSC00292382

=====

CAN-FIND and FOR FIRST do not work as expected against unicode type MS SQL Server DataServer. String provided in the WHERE clause does not produce any errors if the string is more than the length of the ABL format and the SQL Server nvarchar length.

PSC00288302

=====

OE Client crashes when a predicate-free logical / array field is included as the last entry of a FOR EACH...WHERE query

PSC00285570

=====

Creating an incremental.df with product/dump_inc.p fails when debugging is enabled (DUMP_INC_DEBUG GT 0) with error 99.

PSC00284602

=====

When a query contains the BY clause which is not unique and contain null values, records are skipped from the result set. This occurs when the join is performed by the client and INDEX-REPOSITION is set.

PSC00283951

=====

Oracle DataServer fails to return the expected amount of data when executing the same query twice.

PSC00280820

=====

Default value " " in delta.df is properly added to in delta.sql for MSS Dataserver (fix PSC00261781). However, if the column contains hyphen then the default value " " in delta.df is not added to the delta.sql for MSS Dataserver.

PSC00278905

=====

'SQL command not properly ended' error with join queries

PSC00270043

=====

It is not possible to recover a session using DataServer for Oracle where a transaction rollback occurs that involves a LOB field; the session has to be restarted.

PSC00262676

=====

Regression in 11.1.0.026 causes ORA-01002

Regression in 11.1.0.026 causes ORA-01002: fetch out of sequence when ABL query is run using session or query-tuning parameter NO-JOIN-BY-SQLDB.

PSC00262627

=====

Open Query with outer-join might cause error ORA-01405

Open Query with outer-join triggers error ORA-01405 when the NULL value appears in the join criteria.

The cursor FETCHing the results is not set to handle NULL buffer columns.

PSC00262101

=====

MSS Dataserver: Performance drop migrating to 11.1 from 10.2B

A specific query with multiple FOR EACH, each one with multiple JOIN statements is in average 20 percent slower in OpenEdge 11.1 as compared to OpenEdge 10.2B07.

PSC00261858

=====

ORA-00933 error when there are outer join

ORA-00933 error thrown for query of a dataset child table with outer join.

PSC00261781

=====

Default value " " in delta.df is ignored in delta.sql for MSS DS

New field, data-type CHAR, INITIAL VALUE "" is not properly translated into the delta sql script when "include defaults" is specified.

PSC00261294

=====

Slower performance when not using -Dsrv PRGRS_LHDC_CML switch

OE 11.2.1 performs slower when not using -Dsrv PRGRS_LHDC_CML switch in the DataServer connection parameters.

PSC00260828

=====

FOR FIRST statement in memory mapped pl crashes session

The ABL session crashes on the FOR FIRST statement ran from a memory mapped procedure library against the Dataserver.

PSC00260803

=====

Evaluation of logical fields is not performed by the foreign DB

Evaluation of the logical fields is no longer performed on the foreign database but on the dataserver client. This change in behavior can affect performance significantly if the WHERE clause using multiple logical data type as operand.

PSC00260691

=====

DataServer adds extra single quotes to the records which has single quotes in the data string which makes parsing issue when millions of records involved. This can be reproduced with MS SQL Server DataServer.

The record examples:

2 3/4"X90'-2PLY WHITE/CANARY - this is in the DB2 database.
'2 3/4"X90"-2PLY WHITE/CANARY ' - this is the "send-sql" raw data.
"2 3/4""X90'-2PLY WHITE/CANARY " - Progress "EXPORT" statement.

PSC00260393

=====

Memory leak on prowin32.exe during a Do loop with a For First

PSC00253815

=====

Entry 7 is outside the range of list -----,-----. (560)

The following message is persistent when running the Data Administration tool
(_admin.p), using the executable compiled with \$DLC/oebuild/make/build_orarx.sh
script.

Entry 7 is outside the range of list -----,-----. (560)

PSC00251570

=====

Revised sequence generator poor performance

The revised sequence generator does not prevent lock contention (error 2624)
from occurring and has its performance affected by the value assigned to
PRGRS_NATIVE_LOCKWAIT.

PSC00249916

=====

ODS creates unreleased lock scenario with NO WAIT SQL to Oracle

Oracle DataServer creates unreleased lock scenario with NOWAIT SQL to Oracle
which is causing Oracle error ORA-00054.

Error text:

ORA-00054: resource busy and acquire with NOWAIT specified

PSC00249155

=====

MATCHES returns false when variable is left side of the match

MATCHES returns false when variable is left side of the match running against
MS SQL Server DataServer

PSC00247036

delta sql is does not include changes to a field's DEFAULT VALUE

When an SQL script is generated to create or upgrade the SQL Server database (pro-to-mss or generate delta.sql) there is a checkbox "Include defaults" in the migration dialog.

By default this option is unchecked which means that the initial value does not get generated as a default value on the server, but on the Dataserver. If you want the default value to be assigned on the server, you have to check the "include defaults" in the migration dialog.

However if the default value of an existing field is modified, the delta.sql will not reflect that change. The default value is only changed in the dataserver delta.df.

Newly added fields do not experience this issue.

PSC00242497

MS SQL DS -ABL MATCHES does not work to find tilde

ABL MATCHES fails to find tilde using '*~~~~*' in the WHERE Clause when run against MS SQL Server DataServer.

PSC00242235

CURSOR info is logged on the dataserv.lg without use any switches.

PSC00237696

ORA-01036 error assigning logical value to oracle columns

Logical field is not being updated on the oracle dataserver with oracle error ORA-01036.

PSC00224407

Cannot change width of a field in MS SQL Server

Cannot change width of a field in MS SQL Server. Error is:

exclprog in accessmast had a change to WIDTH which was not passed to the df file and no ALTER TABLE statement was created to change field size.

PSC00164498

Error 3782 with nested "for each" ABL query w/Oracle DataServer

Nested *FOR EACH* query causes error 3782 when run against Oracle DataServer.
Upon clicking OK on the error, the client hangs. The same code works on
Progress database without any problem.

h. DB

PSC00304907

=====

Binary load is no longer showing record counts progress updates during load.
Users cannot gauge the speed or projected duration of load.

PSC00301809

=====

When using binary dump and load to move data between systems of different
endian, data of float datatype is incorrect in the loaded database.

When dump and loaded between systems of same endian, the data is correct.

PSC00301550

=====

In releases 11.1.0 through 11.3.2, dead _sqlsrv2 processes may result in the
database shutting down. Factors involved include: SQL, multiple clients in
process, -Ma > 1, and auditing.

PSC00299051

=====

The TXE queuing mechanism employed to prevent transaction starvation has been
seen to severely impact performance when there is a high degree of conflict.
For example, deleting and creating concurrently in the same table with two
tenants has shown degradation from 3200 deletes per second to 32 deletes per
second. The performance degradation is most notable on the HPUNIXA64 platform.

The issue can be seen when TXE conflicts occur with just 2 connections running
on the system. The impact worsens as the number of conflicting connections
scales up. The frequency of the conflicting TXE requests is increased if one
connection is doing inserts in small transactions when another connection is
performing deletes in small transactions.

The queuing frequency can be seen in the "TXE Lock Activity" screen of promon
as well as in the _TXELock VST.

The decreased activity can be seen in the "DB Activity" screen of promon.

PSC00293031

=====

BI can get corrupted if on a large table/database a subtransaction involving a

LOB field is undone.
This corruption will prevent database from going through crash recovery.

PSC00286987

Database crashes after getting errors 10560 and 10561

PSC00286897

Using releases 11.0 - 11.3.1, dbanalys on a database fails with message:
SYSTEM ERROR: Unexpected block type ITBLBLK encountered in upanalys

PSC00286643

promon -> R&D -> Blocked Clients screen showing many users blocked on STCA
lock.
Database performance is impacted and bi file growth is being seen.

PSC00286145

Database Request Statement Cache errors when attempting to unlock object but
holds no prior lock.

PSC00285575

When the Alternate Buffer Pool is assigned at the database objects level as
opposed to the Storage Area level,

PROMON correctly shows the current state: "LRU2 replacement policy disabled"
when OS reads GT -B2.

The lru2 mechanism is not enabled even though it should be.

PSC00285283

Database hangs during startup due to a remote server not releasing a semaphore.
No users can connect to the database.

PSC00284503

Openedge Database fails to startup during logical undo of JTA transaction after
normal shutdown. Logical undo fails with following error:
BROKER 0: dbxaGlobalTxnReserve: At dbxaUndoLogical call.
BROKER 0: SYSTEM ERROR: The broker is exiting unexpectedly, beginning Abnormal
Shutdown. (5292)
BROKER 0: drexit: Initiating Abnormal Shutdown

PSC00283560

=====

IDXFIX and IDXCHECK not finding index corruption. The indexes involved are not corrupted.

The issue was caused by run time FINDLAST query on the index tree with delete holders processed by certain transaction Ids. Rebuilding indexes cleaned delete holders and bypass the issue.

PSC00279622

=====

There is a small window where using one of the commands below simultaneously with a user in the process of logging out of the database can result in a database crash due to a timing issue between the two operations.

```
proshut <db> -C list
proshut <db> -list
promon options 8. db shutdown
```

The trace contains the routine nsawho().

PSC00269883

=====

Database conversion utility conv1011 causes missing index keys for _syscolstat which causes SYSTEM ERROR 8783 and 8783 running idxfix with option 3.

PSC00267916

=====

DBRPR fails to parse the whole index block when it contains index keys with recids larger than 2 billion (as well as with recids less than 2 billions):
Invalid information field size (65) in index entry;remainder of block skipped

PSC00267827

=====

The "_TableStat-Read" field value is incorrect for SQL client queries for Type II Area tables.

PSC00262763

=====

A client transaction "hangs" in an infinite loop reading the same index blocks, when ALL of the following conditions are present:

- The index has to be unique.
- The entry to be inserted is a 64 bit entry.
- The place holder with the same real key value is a 32 entry.
- This place holder has to be deleted by the same transaction.
- The block does not have enough space and is about to split.
- There is at least one place holder in the block that belongs to a committed or dead transaction.

PSC00262218

=====

AUDITLOAD throws index errors

Audit Data Load reporting index corruption when audit dump files contain duplicate audit records for example by running auditdump with overlapping date-time ranges. There is no index corruption as a result.

Error creating key for index 1085 of table -200

PSC00261182

=====

"proutil -C dump -thread 1 -dumplist" generated an empty dump list. The data was dumped correctly.

PSC00260992

=====

Performance degradation due to contention on the MTX latch

PSC00260272

=====

_servers VST improperly handles port numbers greater than 32767

PSC00257514

=====

mvsch on empty database causing error 822 in OE11.2

When loading .d into an area created via a mvsch using data dictionary will get error:

(822) SYSTEM ERROR: rmdoins 1: pbk->free went negative dbkey 96, area 7

PSC00256349

=====

error (49) with idxbuild all

A memory violation error (49) is received when performing idxbuild all on database. Performing the idxbuild on individual tables is successful.

PSC00251901

=====

prostret addonline does not clean up after failure

prostret addonline failed to create extents but does not clean up the reference in the .db file.

PSC00242918

=====

_FileList-Extend is not updated by prostrct addonline

_FileList-Extend still has non-zero for the old last extent after it's converted to a fixed size extent having run prostrct addonline.

PSC00235966

=====

Buffer Stack overflow occuring during a truncate of a bi file after a normal shutdown occurred. The overflow occurs during logical undo. Trucation of the bi file -G 180 also fails but subsequent proserve command is successful at starting the database.

i. Diagnostics

PSC00267815

=====

RUN statement ignores break points

The RUN statement ignores debugger break points in Developer Studio if the external procedure being run doesn't have a file extension (i.e. .p).

j. Doc

PSC00256771

=====

CAN-DO documentation doesn't list period "." match

The description of the CAN-DO element in the ABL Reference and online Help does not identify the "period" (.) wild card match as being supported, but it is and has been for a long time.

PSC00254574

=====

CLIENT-PRINCIPAL interaction with widget-pools not documented

The reference entry for the CLIENT-PRINCIPAL doesn't correctly document how it interacts with widget-pools.

The object can use named widget-pools; if no widget-pool is specified, it goes into the session-wide widget-pool.

PSC00245587

=====

FIRST-CHILD attribute missing for FRAME widget documentation

The FRAME widget attributes section in the ABL reference documentation is missing an entry for FIRST-CHILD attribute.

PSC00194209

CAN-FIND handling of runtime errors not documented

The nature of CAN-FIND runtime error suppression is not documented. Errors that are suppressed include, but are not limited to:

** <file-name> record not on file. (138)

** No <file-name> record is available. (91)

k. GUI

PSC00303950

Repeated LOAD-IMAGE calls crash session and generate the error: "Encountered image resource failure when realizing IMAGE widget. (2290)"

PSC00303114

The client session may crash when using the BUFFER-VALUE attribute to assign a value to a calculated field in a browse widget.

PSC00299597

The session may crash when the user selects an item from the drop-down list of a browse column which is viewed as a LIST-ITEM-PAIRS combo-box. This issue occurs when the column's FORMAT has been set to a format which is shorter than the longest item in the list.

PSC00298293

A browse column which is viewed as a combo-box does not honor the column's Inner Lines setting. All items in the list are shown when the drop-down list is displayed instead of only showing the number of items specified by Inner Lines.

PSC00295510

The AVM may crash after attempting to add a field to a SmartBrowser in the AppBuilder.

PSC00290795

Session crashes when loading a .ico file using LOAD-PICTURE if the file includes an icon with 128x128 resolution.
No protrace file is generated.

PSC00285031

Consider the following:

- A browse's query has a join
- There's an ON FIND trigger on the right-hand table of that join, which raises an ERROR status.
- There is a ROUTINE-LEVEL ON ERROR UNDO, THROW defined

In this scenario the following happens:

- the browse stops scrolling the moment the ERROR is raised.
- Closing the window with the browse will result in a series of "Unable to read record buffer because it is empty. (455)"

PSC00278145

An extra combo-box VALUE-CHANGED event is generated

A combo-box's VALUE-CHANGED trigger may fire an extra time when leaving a combo-box using the Tab key after changing the selection using the keyboard.

PSC00267917

Stretch-To-Fit Incorrectly Increases Size of Image Widget

In 11.3, in some cases the Stretch-to-Fit option for an image widget will resize the image widget to be larger instead of sizing the image to fit the size of the widget.

PSC00262782

ABL Button style in RDC session is wrong if Visual Styles off

An ABL button is assigned a transparent image (bitmap) and is set to 'Flat'. In a local session with Visual Styles enabled, only the image is visible. When the same code is executed in a Remote Desktop session, both the image and a grey button background can be seen if the "Visual Styles" option of the Remote Desktop session is switched off.

PSC00262723

=====

Poor image quality with STRETCH-TO-FIT + TRANSPARENT options

Quality of an image displayed in an IMAGE widget with both STRETCH-TO-FIT and TRANSPARENT options set is poor. Image components are surrounded by black lines / pixels.

PSC00262720

=====

STRETCH-TO-FIT fails if image is resized after being realized

STRETCH-TO-FIT attribute fails to be effective if an IMAGE widget is resized after it has been realized. Initially STRETCH-TO-FIT works as expected; image is sized to fit the size of the IMAGE widget. If the IMAGE widget is resized, image reverts to its original dimensions resulting in parts not being visible.

PSC00261981

=====

Image rendered poorly with STRETCH-TO-FIT in 11.3

Quality of an image that has been reduced in size to fit an image widget via STRETCH-TO-FIT is inferior in 11.3, compared to earlier versions.

PSC00260722

=====

Error 4052 when querying an attribute of a background group.

When querying the FIRST-TAB-ITEM attribute of a background group error 4052 occurs.

PSC00256319

=====

If a window which has been resized using the Windows Desktop's Snap feature is hidden and subsequently made visible again, the window will reappear in its original size and location instead of its "snapped" size and location.

PSC00240361

=====

WINDOW-MINIMIZED trigger doesn't work with Shake on Windows7

If a window is minimized by using the Windows 7 Aero Shake or "Show Desktop" features, the WINDOW-STATE attribute is not updated and the WINDOW-MINIMIZED trigger is not fired (the same applies for WINDOW-RESTORED trigger when the action is repeated to restore the window).

1. Install

PSC00306845

sql-odbc-setup.exe is not creating 64-bit drivers when given the correct parameters that should install the 64-bit ODBC drivers.

PSC00279150

Silent netsetup installation still prompts to Replace Registry Key for file extensions (.I, .DB, .UDF, .CLS) which prevents the installation from being "silent".

PSC00261553

11.3 Documentation and samples install fails

The 11.3 Documentation and Samples install fails with error:

Sample files not copied in to OpenEdge folder.

Setup cannot find a valid OpenEdge 11.3 installation on this system.
Click OK to continue.

PSC00259780

Silent Installation that includes Progress Developer Studio for OpenEdge also installs Progress Dynamics and BP Server components.

PSC00258506

/proinst: line 102: 30969 Segmentation fault

While performing a silent install for OE 11.2 on a Redhat linux 6.4 64 bit machine using the Webspeed messenger install downloaded from the ESD site the installation errors out with a segment fault.

It works fine when manually installed.

PSC00248501

OE11 installs fail due to InstallShield bug

OpenEdge 11.x installation fails on Windows systems configured to use 256 colors due to InstallShield bug.

m. LANG

PSC00307281

=====

COMPILE XREF-XML crashes on a class, if the class has a public method that has a .NET Generic type as the return value.
This is a follow-up on PSC00279280 - similar crash but for parameters to the method.

PSC00303051

=====

When compiling source code against a multi-tenant table, you might experience the following error:

SYSTEM ERROR: lkrels record not locked (435)
This could happen if the multi-tenant table you are compiling against has a large number of fields. You might typically see this error if you are doing a dump or load of data on a multi-tenant database using the Data Admin/Data Dictionary tools.

PSC00302889

=====

WRITE-XML on a non-default buffer does not use a buffer-field's XML-NODE-TYPE or XML-NODE-NAME attributes.

XML-NODE-TYPE attribute does not use defined buffer information only uses the default buffer.

PSC00302869

=====

ETIME returns a 32-bit value in an INT64 reducing its maximum value to a 32-bit value.

ETIME was using a 32 bit variable in an intermediary step on windows. This has been addressed.

PSC00302798

=====

Under the right circumstances, the -rereadnolock parameter will trigger an error:
SYSTEM ERROR: Unused place-holder: icbdbkey = <RECID> usecount = 7 RELUNDO = 8 . (4403)

When running queries against a multi-tenant database.

In one case where this is observed, key factors are that:

- One of the buffers used in a browse widget's query is also used in a separate FOR EACH loop in a trigger block.
- The same trigger causes the frame with the browse widget to lose focus after running the FOR EACH.

PSC00301082

=====

The bprowsddoc utility crashes when run against the wsdl file for OpenAIR

This was crashing while reading an invalid wsdl. We've updated it to gracefully handle this and output an error message.

PSC00300435

=====

QUERY-CLOSE on a dynamic query can crash the client after having modified any display format at run-time.

PSC00299477

=====

Cannot compile NEXT-VALUE or CURRENT-VALUE when you specify a logical database name that resolves to a DataServer schema.

PSC00297624

=====

"SYSTEM ERROR: Unused place-holder: icbdbkey = <RECID> usecount = 1 RELUNDO = 8. (4403)" is raised if:

- A query has an outer join
- The query has INDEXED-REPOSITION active
- The query is linked to a browse widget
- The query is on buffers for multi-tenant enabled database tables
- The query is repositioned via REPOSITION statement
- The block in which the reposition happens is undone

PSC00297476

=====

If a FOR EACH has a CAN-DO in its where clause, the session will crash if the ID-pattern-list provided for the CAN-DO has more than 18000 characters.

PSC00296074

=====

When assignment value to SUBSTRING statement is blank, program crashes with error (49) Memory violation.

Some additional handling was required for certain cases where we would wind up looking at improper memory sections.

PSC00295261

=====

OE 11 introduced delayed instantiation for static temp-tables to optimize performance and resource usage.
CAN-FIND on a not yet instantiated static temp-table unnecessarily forces the temp-table to be instantiated.

PSC00294912

=====

Using the DEFINE BUFFER statement to define a static buffer for a temp table in a persistent procedure can cause a memory leak.

In this case the buffer is used in an internal procedure, but the internal procedure is never actually executed. If another procedure in the persistent procedure is called repeatedly with a BY-REFERENCE dataset parameter, the buffer definition causes a memory leak.

PSC00294808

=====

If a program has an include reference with arguments, and those arguments end up causing compile errors, both the include and the program are flagged as having errors.
This happens even if the include does not contain any partial/incomplete code fragments, so the include is not at fault - it's basically flagged incorrectly.
To confuse things, there are cases where the combination of code in the include + arguments to the include is what triggers the error. In that case, you can't really say if the include is at fault or not.

Added support to generate error messages for the calling file as well as the include file.

PSC00294516

=====

Audit record create is being treated as a schema change which raises an exclusive lock on _Db and should not.
As a result, only one audit record can be loaded to the auditarchive database at a time due to exclusive lock on _Db.

PSC00292778

=====

If SEAL() is called on a client-principal object while a transaction is active, and auditing is enabled on the database or the database option "Record Authenticated Client Session" is enabled, one of the following errors may be raised:

SYSTEM ERROR: proTxSavepoint: unexpected error from dsmTransaction (14473)

SYSTEM ERROR: proTxSavepoint: unexpected error from dsmTransaction -20028 (14473)

PSC00292494

=====

When an ABL client tries to delete a _Client-Session record, if there are any other users (ABL or SQL) connected to the database, the client will wait until all users have stopped running code that references the database. The user is presented the following message:

Database in use by <user>. Wait or press CTRL-C to stop. (388)

PSC00290305

=====

The LENGTH function returns 0 in 10.2B but now returns 1 in 11.3 for a field that hasn't been realized when using code like this: LENGTH(INPUT <field>)

In the specific case of INPUT<field> this behavior did change between 10.2b and 11.0. Behavior for other applications of length was unaffected.

PSC00288900

=====

GUI for .NET sample code shipped with the OpenEdge 11 documentation has not been updated to work with the version of the Infragistics controls currently shipped with the product.

PSC00288498

=====

Error "Fatal transport failure -200. (5487)" occurs on Windows for an ABL socket that has been deleted by the application.

PSC00287907

=====

The CLASS statement USE-WIDGET-POOL can crash or cause other unusual behavior like preventing an error from being thrown up the stack.

For example, using 11.3.1 the class v1 is defined with:

ROUTINE-LEVEL ON ERROR UNDO, THROW.

CLASS v1 USE-WIDGET-POOL :

And lower down there is a typo in the ADD-RELATION statement that should raise error 11963:

```
hds:ADD-RELATION(ttOrder:DEFAULT-BUFFER-HANDLE,  
ttOrderLine:DEFAULT-BUFFER-HANDLE, "Ordernum,OrdernumX").
```

A new instance of the v1 class is created in the class v constructor:

ROUTINE-LEVEL ON ERROR UNDO, THROW.

CLASS v :

```
DEF VAR v1 AS v1 NO-UNDO.
```

```
CONSTRUCTOR v():
```

```
  v1 = NEW v1().
```

```
  MESSAGE "Done" VIEW-AS ALERT-BOX.
```

```
  CATCH err AS Progress.Lang.Error :
```

```
    MESSAGE "ERROR : " err:GetMessage(1) VIEW-AS ALERT-BOX.
```

```
  END CATCH.
```

```
END CONSTRUCTOR.
```

```
END CLASS.
```

If the USE-WIDGET-POOL option is used on the v1 class statement then this can cause a crash, while others have observed that the error 11963 is not propagated to the v class catch block. Remove USE-WIDGET-POOL and it works fine.

PSC00287251

=====

When a large number of OOABL classes are being compiled using multiple simultaneous _progres processes some explicit compiles like "COMPILE cat.cls SAVE." statements trigger implicit compilations of animal.cls because the cat.cls class inherits animal.cls. Intermittently, the implicit compiles of two processes conflict and cause the error "Unable to create r-code file "animal.r". (477)" to be generated.

This is being caused by simultaneous calls from the two processes to operating system resources. Measures have been taken to alleviate the symptoms to the extent that this is possible.

PSC00286173

=====

If you turn off TRACKING-CHANGES and delete a temp-table record for which there is before-image record, you may experience error "Could not read database record for undoing. (1750)" when undoing the sub-transaction.

PSC00285025

=====

Error 12882 calling method in .Net inherited class

In some situations calling a method in an inherited .Net class can result in the error message 12882. For example:

Could not access element 'mFinished' of class 'codegen' using object of type 'codegen' - caller compilation is out of sync with class compilation. (12882)

PSC00284189

=====

A memory leak is caused by the SET-SERIALIZED() and GET-SERIALIZED() methods.

PSC00283292

=====

PUT STREAM statement fails with error (4384) at compile time in OE 11.x when the text to insert is substantially large.

PSC00277674

=====

STOP-AFTER ignores timeout value when waiting for a record lock while connected to a database in shared memory mode. When connected via client-networking the timeout value is respected.

PSC00277483

=====

The OpenEdge session may crash when displaying an ABL dialog box in an application which uses GUI for .NET. This issue may also occur when using SmartObject wizards in Progress Developer Studio.

PSC00269854

=====

The AVM may crash if Codejock docking pane controls are used in an application.

PSC00269838

=====

A specific large piece of code that used to compile under 10.2B without error failes to compile under 11.0 and higher with the error: "Ecode Segment has exceeded its limit of 4194304 bytes, in <file-name> at line # <line-number>. (3307)"

PSC00262704

=====

Error message 12742 incorrectly refers to class methods or properties:

"If -noudfinwhere given you may not have user-defined-functions or methods in a WHERE clause, nor properties with getters having ABL statements. (12742)"

PSC00262025

=====

XREF incorrectly shows RUN statements as IMPLICIT

When compiling a procedure of more than 32767 lines with the XREF option, XREF lists any RUN statements past the 32767th line as IMPLICIT whether or not the procedure run is persistent or has a super-procedure.

PSC00261992

=====

Error 5729 assigning the unknown value to class type property

When assigning the unknown value (?) to a class type property of a class using DYNAMIC-PROPERTY, the following error is raised:

Incompatible datatypes found during runtime conversion. (5729)

PSC00261955

=====

4-byte UTF-8 characters are not converted correctly to single-byte codepages.

If UTF-8 data contains any 4-byte character, a conversion of this data to a

single byte codepage can yield corrupt results. The result might have lost some characters, or contain unexpected characters, along with the replacement character. There are no 4-byte characters in any of the shipped OpenEdge single-byte codepages, so the expected behaviour should be that the 4-byte character is replaced with a single "?" replacement character.

One manifestation of this is when using the EXPORT statement to export UTF-8 data from a client with -cpinternal UTF-8 to a file with a single-byte codepage. This can corrupt the EXPORT format, so that the resulting file cannot be read with the IMPORT statement. This affects the Data Administration table dump utilities.

PSC00261844

=====

Error 49 using memory-mapped procedure library

Running a procedure compiled with the MIN-SIZE option in a memory-mapped procedure library causes the client to crash.

PSC00261785

=====

DO block STOP-AFTER expression causes poor performance

On Linux systems, the STOP-AFTER expression on DO blocks has some performance impact.

PSC00261756

=====

Client crashes when making chained calls

OpenEdge client crashes when making a chained call involving an ABL class that inherits from .NET (i.e., a hybrid). This is an example of a chained call, and assume that either class B or class B1 is a hybrid class:

Factory:getFactoryB():getClassB1():doNothing(Factory:getFactoryB():getClassB2()
).

PSC00261538

=====

Memory errors after dynamically running a function in a DLL/so

After the execution of a function via a dynamic all to a DLL/SO, the AVM

execution memory pool is broken which leads to a memory corruption and likely results in a crash.

PSC00261398

=====

OS-* statements fail on files larger than 4GB

Beginning with OpenEdge 11.0, the OS-COPY, OS-DELETE and OS-RENAME statements fail when operating on files greater than 4GB (4,294,967,295 bytes) in size.

PSC00261066

=====

Memory Leak in Web Service Connect Method

Code which attempts to connect to a Web Service that does not exist will leak memory

PSC00260953

=====

APPLY "GO" Causes App to Terminate

Using the APPLY "GO" statement for a given field from inside of the fields ON ENTRY event can cause the session to terminate.

PSC00260950

=====

-v6q parameter causes error 219 on FOR EACH TEMP-TABLE

Starting a session with the -v6q parameter causes error 219 on FOR EACH TEMP-TABLE.

**Could not locate find descriptor for <table name> (219)

PSC00260729

=====

RETURN ERROR in CATCH -> strange error handling in caller

Using a RETURN ERROR <exception> statement in a CATCH block causes the error condition in the calling block to be handled strangely.

The error state will be set, but the error won't be displayed immediately as expected, and the calling program will get aborted regardless of error handling specified - only the FINALLY block will be run if it's there.

PSC00260508

=====

ient crash referencing array without subscript with BUFFER-VALUE

When referencing and array field without a subscript with BUFFER-VALUE, the 11.2 client session crashes.

PSC00260456

Setting Frame HIDDEN attribute may crash 11.1 session

Setting the frame HIDDEN attribute may cause the 11.1 session to crash in very rare circumstances.

PSC00260346

Session crashes in bflbishrel, depending on transaction scope

The OpenEdge client may crash depending on certain criteria within a procedure block:

- An update causes a write trigger to fire.
- Something is done that would normally delete the procedure, but this action is pended, for example DELETE THIS-PROCEDURE.
- Another write trigger fires before the procedure is over.

PSC00260304

When a local buffer is defined for a temp table in a local sub-procedure, if the procedure makes an external call passing the temp table with the BIND option, the local buffer can go out of scope when the local sub-procedure ends. This can cause the error 12378:

Attempt to reference uninitialized temp-table. (12378)

PSC00260279

ProDataSet:READ-XML()-SYSTEM ERROR:kmdiscon-key changes pending

When using parent-id-relation to maintain parent-child relation between temp-tables in a dataset, the information is correctly exported via DATASET:WRITE-XML(), however, if the parent id field is part of an index, trying to read back the output into the DATASET with DATASET:READ-XML() results in a error: SYSTEM ERROR: kmdiscon - key changes pending. (130).

PSC00259562

CRC errors if buffer name is reused in different Internal procs

Running from .r code, error "*** CRC for <filn> does not match CRC in <procedure>". Try recompiling. (1896)" can occur if:

- A field is added to a table.

- A procedure has multiple internal procedures.
- An internal procedure defines a buffer for the modified table.
- Another internal procedure earlier in the code defines a buffer with the same name for a different table.

PSC00259361

=====

Index corrupted if deleting dynamic buffer with NO-ERROR

An ABL client can corrupt an index if the following circumstances occur:

- within a transaction, a dynamic buffer object is created and attached to a record
- the ABL updates fields in the record which participate in an index
- the table has a WRITE trigger
- the ABL executes DELETE OBJECT NO-ERROR on the dynamic buffer within the transaction, and the write trigger returns an error.

The following workarounds prevent the problem from occurring:

- remove NO-ERROR from the DELETE OBJECT statement
- call the BUFFER-VALIDATE or BUFFER-RELEASE methods on the dynamic buffer before deleting it.

PSC00259235

=====

X-DOCUMENT LOAD method does not set encoding attribute from XML

When loading XML whose encoding is set in the document, the X-DOCUMENT:ENCODING attribute reflects UTF-8 regardless of which codepage is set in the XML.

PSC00258647

=====

Errors in child class with PROTECTED PDS and PARENT-ID-RELATION

Compile errors 12386, 12726, 12772 occur in child class that inherits from a class that declares a PROTECTED DATASET which uses PARENT-ID-RELATION.

PSC00258627

=====

Invalid SOAP message with extra namespace URI generated by Web services client

PSC00258335

=====

Poor Web Services Performance on HP-UX IA64 for DSET W/BLOB

When calling a Web Service from a _progres session running on HP-UX IA64 where the Web Service returns a DataSet containing a temp-table with one BLOB field defined in it performance is very slow.

PSC00258247

Fatal transport failure -200. (5487)

When accessing sub-menus in a GUI application, the following error is intermittently raised if there is data being processed for a socket events

:"Fatal transport failure -200. (5487)"

PSC00256297

Compile Preprocess mishandles ~/

If you compile with the preprocess option a line with "~\". the outputed file with have "~\\" in it.

Changes to preprocessor logic lead to the mishandling of several special characters. We updated this to handle those characters.

PSC00255067

Errors 13016 & 250 may occur when referencing an unqualified PRIVATE method within a class

Referencing an unqualified PRIVATE method within a class may incorrectly cause run time errors 13016 and 2570 to be raised. This is likely to happen when the references do not appear at the statement level; for example, when the reference appears as a parameter to another method or function call.

PSC00253828

Limit to the length of the lines on the xref output

The compiler has a limit of 1535 to the length of the lines on the xref output.

PSC00233755

A static FIND CURRENT statement within a FOR EACH block fails to compile with the error "*** FIND cannot be processed for a FOR EACH mode record. (213)"

PSC00225013

SAVE-ROW-CHANGES saves more decimal places than the database schema defines

PSC00212146

Installation on Windows creates corrupted registry keys

Several keys under HKEY_CURRENT_USER\Software\PSC\PROGRESS and HKEY_LOCAL_MACHINE\SOFTWARE\PSC\PROGRESS are corrupted after installation on Windows. For example, a key that should be "11.2" appears as "11.28859-1(C0)".

PSC00207829

=====

String length too long. (13115) parsing XML file

If the value of an attribute within a .xsd file contains more than 128 bytes, the READ-XMLSCHEMA method will fail to parse the XML schema with the following errors:

Error while parsing the XML Document: String length too long. (13115)
Unable to create Temp-Table or dataset schema from XML schema. (13032)

PSC00183027

=====

Buffer parameter for reference-only temp-table causes crash

Attempting to pass a BUFFER PARAMETER for a temp-table that is defined REFERENCE-ONLY in the called procedure causes a crash if the temp-table reference is not bound to an actual temp-table at the time of the procedure call. Using a REFERENCE-ONLY buffer as a BUFFER PARAMETER is now illegal, since there is no internal support for this at all.

n. Management

PSC00302609

=====

Remote containers does not show online status in OEM/OEE Console

PSC00299010

=====

No data for memory and virtual memory on a machine with unused swap (NaN for system.memory.Memory).

PSC00297282

=====

OEM printing promsg error no 5 (bfxpnd -- Unable to allocate more memory for records or variables) many times in AdminServer logs.

PSC00293658

=====

OpenEdge Management (OEM) compaction job fails to compact trend database after the fathom trend database is reorganized and created from default trend database.

PSC00289635

=====

OE Management program CRC error when running OEMGT Job

PSC00288826

=====

The OE Management trending user dies when attempting to insert a statement into trend database, Syntax error in SQL statement (10713)

PSC00288365

=====

Unable to change a layout of a Collection - not found error.

PSC00287790

=====

In the OEM, the 'Database status' and 'Database auxiliary status' section show the database and all server processes to be started in 1970.

PSC00287762

=====

index compaction job fails with Index utilization parameter must be > or = 100

PSC00287046

=====

Timeout exceptions are thrown for remote AdminServer resources when multiple resources are creating cache records and hold transactions open longer than timeouts allow.

PSC00284734

=====

JMS messages related to remote container monitoring are thrown away when they expire without any indication that this is happening. It effects debugging that no messages are thrown that this happens.

PSC00284732

=====

Getting error "adding remote container failed" when trying to add a remote container when the machines times are out by more than 20 seconds.

PSC00283302

=====

Overflow error 7485 during inserts into the trend database when managed database server minport or maxport numbers set to higher than 32767.

PSC00279530

AdminServer hangs when attempting to load osmetrics.dll

PSC00279013

OpenEdge Mangement may take more than 20 minutes to load the Fathom project from the configuration database when running on HP-UX Itanium.

PSC00269994

Change all resources' Graph cache database config Sample time period to collect from a high value to a lower value will fail.

PSC00261966

large schema databases cause java out of memory exceptions

When OEM is monitoring a single database or multiple databases with very large schemas, the AdminServer consumes more than 1 GB of RAM and experiences java Out of Memory exceptions accompanied by CPU spikes when initializing the databases.

PSC00261709

OpenEdge Management does not start on a machine that doesn't have a Network Adapter with a MAC Address.

PSC00261109

DB connection list msg not implemented when container is offline

Database connect list returns not implemented when a managed connection is defined for a resource and the remote container is offline.

PSC00261104

OEM job dbanalys does not populate data into fathom trend databa

OEM job dbanalys does not populate data into fathom trend database.

OEM Database Index Analysis report and Database Table Analysis on this database return message:

There were no samples selected for this report.

PSC00260713

OEM fails to handle error when loading df when STOP condition is encountered.

PSC00260387

Error -210074 received after OEM executes an INSERT statement against the trend db

PSC00253820

The OpenEdge.DataAdmin.Administrator class that exposes the administrator list (expression) that defines which users are administrators is only readable/accessible for users that already are defined as administrators. This is an artificial limitation since this information can be accessed with ABL code by any user. This limitation is very old and exists also in the Data Admin tool.

PSC00250599

OE Management fails to report underlying error using -spin

OpenEdge Management fails to report underlying error when database fails to start using -spin parameter with Workgroup licenses.

PSC00249779

OE Console DB name field too short in Resource Summary

In the OpenEdge Console (OEM/OEE) the Database name field in Resource Summary is too short and cannot be scrolled.

PSC00245557

OEM/OEE db administration fails to load when keyevents are on

When database has "Save Key events" feature enabled, the Database Administration under OE Management & Explorer fails to load database features and throws "String index out of range: -2" error.

PSC00237277

Editing a remote job resets the container name to localhost.

PSC00228019

Graphs Missing in OE Management for remote container

When you bring in a remote container into OE Management no graphs for the remote container are shown

PSC00212397

=====

The OE Management trending user dies when attempting to insert an invalid date.

PSC00198337

=====

Unable to set some Replication properties in OpenEdge Explorer

OpenEdge Explorer does not display the correct values or allow the setting of certain replication properties. These properties are Control-Agent.connect-timeout, Server.defer-Agent-Startup and Agent.connect-Timeout.

o. NETUI

PSC00303446

=====

Doing a field update via an UltraGrid, using an 11.3.2 64-bit OpenEdge install can crash. The window just disappears and there may or may not be an error message displayed.

PSC00300470

=====

The IsA method on a Progress.Lang.Class for a class that inherits from .NET returns Inconsistent results. If the code is compiled, it returns the wrong result, NO. If the code is not compiled, it returns the correct result, YES

PSC00299955

=====

When a traditional ABL window containing a widget with a LEAVE trigger is embedded in an MDI child form, opening a second instance of the child form causes the LEAVE trigger in the first instance to fire.

PSC00294520

=====

Using an ABL Extent variable as the key to a .NET Collection crashes the session if the ABL variable is an indeterminate extent.

Example: "cell = cells:Item[rowIdName[rowLevel]].", where Item[] is the .NET collection and rowIdName[] is the ABL indeterminate extent.

PSC00292517

=====

When calling a .NET method to instantiate a .NET component, and the second parameter of the method is a value that comes from a User Defined Function or OOABL Method, the component doesn't get correctly instantiated.

For example:

After this code, the dotNetuserClass object is null, though no error occurred.:

```
dotNetuserClass = NEW ProgressTestClass.DotNetUserClass(someValue,  
HelperClass:GetValue()).
```

```
/* method2: */  
dotNetuserClass = NEW  
ProgressTestClass.DotNetUserClass(HelperClass:GetDotNetTestClass(), "string").
```

PSC00289082

=====

If you have an ABL UserControl with a Read Only property and the host form's Localizable property is set to True, the code generated in InitializeComponent in the UserControl will contain code that tries to update the read-only property, resulting in this error:

Property SampleReadOnlyPropert has a PRIVATE SET accessor so can be set only from within the class where it's defined. (13835)

PSC00288350

=====

After applying 11.3.1.007/11.3.1.008 hotfix, regressions are seen where Window widgets are in unstable state.

PSC00287601

=====

The focus of a FILL-IN widget in an embedded ABL window is lost and its LEAVE trigger fails to fire after the user returns from a third party application to the embedded ABL window application.

PSC00285014

=====

When calling the RefreshAll method on a BindingSource that is feeding an UltraGrid, with the intent of refreshing data in child rows, the UltraGrid collapses, hiding any currently visible child rows.

PSC00279280

=====

The COMPILE statement crashes the session when used with the XREF-XML option to

compile a class that has a public method that has a .NET generic parameter.

PSC00278696

If a .NET form contains multiple WindowContainers to embed multiple ABL windows, LEAVE events are ignored if the mouse is used to move focus from an ABL widget in one WindowContainer to an ABL widget in another.

Note that if the ABL widget being left is a browse column, the browse-level LEAVE triggers fire, but the column level triggers do not.

PSC00268076

Running OE 11.1 .r under OE 11.3 errors with System.InvalidCastException. R-Code generated under OE 11.1 generates the error "System.InvalidCastException: Specified cast is not valid." when run under OE 11.3 or OE 11.3.1.

PSC00267774

Focus returns to wrong window after Alt-Tab

A GUI For .NET application has two embedded ABL windows (A and B) open with focus in window B. After using Alt-Tab to switch focus to an external application and then back to the Progress application, focus is incorrectly switched to window A.

PSC00262391

Failure creating Progress.Data.BindingSource with dynamic Dataset

When creating a dynamic Dataset with more than one temp-table and creating a Progress.Data.BindingSource with it, the BindingSource contains no data. This happens when the dynamic DataSet is created with the child data first, and then its parent table is added. And you use a BindingSource constructor and don't specify the parent table.
With only one temp-table inside, the BindingSource is correct.

PSC00262073

-debugalert Help can crash on a .NET Exception

Using -debugalert, if ABL code throws a .NET Exception object and the user hits the Help button on the ensuing message box, the process can crash.

PSC00262016

Deleting object causes error when implicit query is deleted

When disposing of the components variable in the destructor of a relatively simple form with a dataset, the following error is thrown:

Cannot delete a dataset relation auto-generated query. (12349)

PSC00261877

=====

Error 142 with Assign() method on query with OUT-JOIN

Error 142 (**Unable to update <Table> Field) occurs when the Assign() method is used with a query which has the OUTER-JOIN option, when there is no record available in the right_table, and making changes only on the left_table.

PSC00261350

=====

Crash after clicking the "Help" button in debug alert dialog following a .NET exception error.

PSC00261227

=====

ABL dialogs in a .NET application appear in the wrong position

An ABL dialog box that is displayed in a GUI for .NET application may appear in a corner of the screen instead of being centered over the .NET form which displayed the dialog box.

PSC00261033

=====

NullReferenceException Object Reference not set

Occasionally the client session can fail with the following error, after querying the ACTIVE-WINDOW system handle:

System.NullReferenceException: Object reference not set to an instance of an object

PSC00261016

=====

Focus goes to the wrong form or window after closing a .NET form

When a form is closed in an application mixing .NET forms and ABL windows, focus may go to a form or window other than the one which most recently had focus.

PSC00260139

=====

Application may hang or crash when running in 11.2.1

A GUI for .NET application which uses embedded ABL windows may hang or crash when two or more embedded windows are displayed at the same time.

PSC00257166

=====

Error 12882 calling method in .Net inherited class

In some situations calling a method in an inherited .Net class can result in the error message 12882. For example:

Could not access element 'mFinished' of class 'codegen' using object of type 'codegen' - caller compilation is out of sync with class compilation. (12882)

PSC00253600

=====

Focus moves to the wrong control in a GUI For .NET Application

Upon closing a dialog box in a GUI For .NET application, focus may return to somewhere other than the control which had focus before the dialog box was displayed.

PSC00253592

=====

The focus rectangle for a toggle-box, combo-box, radio-set, or selection-list may not be displayed when the widget is in an ABL window which is embedded in a .NET form and the user navigates between widgets using the keyboard.

p. OEBPM

PSC00301007

=====

Request for improved value equality comparison for Decimal Dataslot. Added new Methods in com.progress.util.OpenEdgeDataTypeComparisonUtil

PSC00292042

=====

Panel ID and Panel Title need to be separate properties for Panels in Form Editor.

PSC00290801

=====

Removing workstep description from the process diagram does not remove it from the .properties file.

PSC00288861

=====

Workstep labels specified in unicode in the processName_<lang.properties> file appear garbled for Chinese and Japanese users

PSC00288771

=====

Reporting Engine (BPMProcessStore) updates fail if process containing logical dataslot is refreshed.

PSC00288607

=====

Whitespace in workstep label gets replaced with + sign when displayed on PSV Chart View.

PSC00288029

=====

When publish a process project it deletes all of the files from the lib folder

PSC00287838

=====

Custom names of Panels get reset to the default Panel1 in the generated Form JSP.

PSC00287556

=====

Bm.util.getField('button1').click() functionality does not work.

PSC00287286

=====

BPM Process Store fails to save current state of process having Logical data slot

PSC00286825

=====

Unable to populate output data from DB Adaplet mapped to Character dataslot of type "Combo" - only a new option "Select One" is displayed.

PSC00285225

=====

For UserManagement related functionality, the debug-level logging for OEBPS category does not capture the complete log entries, unlike Savvion.

PSC00285171

=====

Support for Temp Table as output parameter in OE Adapter.

PSC00284173

=====

Pre/Post functions / Logic configured for a workstep are lost if the workstep is renamed.

PSC00283788

=====

If a subprocess is updated and a new version published to BPM Server, instances of only the old version are created, when the parent process reaches the subprocess workstep.

PSC00283328

=====

If a date dataslot is configured to be of type "DATETIME" and Format is "Date Time" and if the presentation type of the workstep is Auto-Generate, at runtime the value of the dataslot is not displayed.

PSC00280362

=====

Email adapter fails when attachment is configured using Character dataslot

PSC00279856

=====

.p file in OE adapter in BPM now supports relative path.

This is relative to PROPATH of the app server OE adapter is configured to connect.

PSC00279709

=====

Process Status Viewer does not support german umlauts

PSC00278909

=====

OEbps database gets created with codepage ISO8859-1.

PSC00278509

=====

When user's language is set to Japanese in BPM Portal, the workstep labels in the PSV Chart view are incorrectly displayed as hexadecimal characters instead of valid Japanese characters.

PSC00278474

=====

OEBPM: Cannot start JBoss Servers if location of OEBPS database is specified to be a drive different from that of DLCWORK.

PSC00278360

=====

The DLC variable definition in the startdb/stopdb for OEBPS database cause the scripts to not work if the host machine has more than one OpenEdge installation.

PSC00278295

=====

Performance issues are observed when a custom user management realm is implemented in OEBPM, due to unnecessary caching to objects in EhCache. This may lead to failure of authentication when accessing BPM Portal.

PSC00277624

=====

Workstep Connector gets displaced upon reopening a process template.

PSC00269483

=====

When using List dataslot as a performer for sub-process step, and if total number of characters such as <ListItem1, ListItem2,...> exceeds 255, the truncated value of the performer was seen on Portal, and a WARNING indicating that the characters beyond 255 characters were truncated is thrown in the bpserver.log.

PSC00268008

=====

BPM Portal does not display the Due dates of individual work items when viewing the status of Process Instance (from tabular or chart view). As WorkStep and its corresponding Workitems can have different calculated due dates, BPM Portal does not provide the required information to know whether the workitem's due date exceeds its parent workstep due date.

PSC00262458

=====

In OpenEdge 11.3, for Message Workstep on a process, limit of the length of the class-name which is configured as Message Handler seems to be 30 chars.

PSC00261823

=====

QueryService API does not return workitems in some configuration

QueryService API does not return workitems if filtered on usernames and case-sensitivity is set to false.

PSC00261433

Enablement of Document data slot for upload/store documents in OpenEdge BPM.

PSC00259568

Cannot configure Subprocess from Performer dialog using list dataslot.

PSC00256157

In BPM Portal, where user can filter the displayed table entries by selecting the Application name in the pull down menus, displaying only the Application name leads to confusion when multiple versions of the same application are deployed.

q. Open Client

PSC00305578

A ProDataSet handle output parameter causes the following exception to be thrown when using Temp-Tables that contain DATE EXTENT fields:

com.progress.open4gl.Open4GLEException: java.util.Vector cannot be cast to java.util.GregorianCalendar

PSC00304369

When connecting from host A to a non-existent / unavailable AppServer on host B through a NameServer on host B, the Open4GLEException incorrectly refers to host A (should be B).

PSC00299452

It is possible to get a System.Reflection.TargetInvocationException: Exception has been thrown by the target of an invocation error when serializing/deserializing a database in .NET Open Client.

PSC00292088

With Java OpenClient, when using the RuntimeProperties' traceOn method from a Java application and specifying a log file and a logging level then the only

generated message are:

```
[14/03/03@14:59:17.066+0100] P-000000 T-main 1 --- --- myTrace.log opened.  
[14/03/03@14:59:17.067+0100] P-000000 T-main 1 --- --- Logging level set to = 5  
[14/03/03@14:59:17.195+0100] P-000000 T-main 1 --- --- Log Closed
```

PSC00291693

=====

The o4glrt.jar does not include the com.progress.ubroker.util.TlvItem.class file and because it is missing Oracle fails to load o4glrt.jar into its internal Java environment.

PSC00262438

=====

Memory leak in BufferedStreamsHashTable w/aia

Every time there is an interaction with an AppServer via AIA, a record is added to the Progress.SupportClass.BufferedStreamManager.BufferedStreamsHashTable. The count of entries in this table keeps increasing and never decreases, causing a small memory leak in .NET OpenClient applications.

PSC00261637

=====

setCertificateStore doesn't handle Spaces in Directories

If you use a directory name that contains blanks when setting the directory of the Java OpenClient's certificate store using the setCertificateStore method, certificates will not be found and you will get an error like:

com.progress.open4gl.dynamicapi.SessionPool\$NoAvailableSessionsException:
SessionPool : NoAvailableSessions[Could not connect to the AppServer: General
Error: Invalid AppServerS protocol configuration: No certificate found (9988).
(7203)]

PSC00244842

=====

.Net client to be able to set readtime out to infinite

No provision to set the timeout value to be infinite for the socket read in .Net client. This causes a default value of 2000 ms for the timeout which causes timeout on the long running application through ssl.

r. PDSOE

PSC00300848

=====

ABL code is reverting back on save for AppBuilder files when the file is opened

in both designer and editor and changes are made in the designer, in Progress Developer Studio for OpenEdge's AppBuilder perspective.

PSC00297779

=====

When in a Method/function a parameter is defined as a buffer for a table, content assist doesn't recognise the buffer and so doesn't show fields for the related table.

PSC00293654

=====

A REST Web Service throws java.lang.NullPointerException if the Developer Studio's REST project has not been created in a default path inside the workspace.

PSC00293627

=====

If a .NET form has the Localizable property set to True, the row and column sizes for a tableLayoutPanel are not saved correctly to the .resx file. They will be saved with a size of 20 pixels, regardless of what the layout was set to in Visual Designer

PSC00291715

=====

"Generate SELECT in SQL Editor" from the "DB Structure" view creates erroneous SQL - quotes missing on hyphenated field-names, field-names that have reserved SQL keywords.

PSC00290060

=====

When a comment start marker is between Appbuilder generated preprocessors, this can break the outline view with:

'UpdateOutlineUIJob' has encountered a problem.

PSC00289881

=====

Under the following conditions when using Visual Designer, the AVM terminates with an "Out of memory" error:

1. A form which contains user controls is open in Visual Designer.
2. The form is also open in the source code editor.
3. The Properties view is open in Visual Designer.
4. The user toggles between Visual Designer and the editor, opening user controls and editing the code in their event handlers.

PSC00288612

=====

There are cases where the Visual Designer fails to load a form, and the error messages are too generic to be meaningful.

In these cases on the canvas you just get the error "Visual Designer cannot load this class. An exception occurred loading the design canvas.", and the only error message in the Problems pane is "An internal error occurred".

PSC00288354

=====

Developer Studio reports a NullPointerException when trying to open a project that includes an Eclipse (non OE) project in its propath.

PSC00288313

=====

Compile / build fails when using a custom build path if the case of a class package name does not match the case of the build path.

PSC00287662

=====

In 11.1.0.039 Hotfix, trying to run a GUI for .NET form directly from Visual Designer/PDS:OE fails.

The temporary .p file generated under
<workspace>\.metadata\plugins\com.openedge.pdt.project\temp.dir\ fails with errors:

Could not locate method 'Run' with matching signature in class
'System.Windows.Forms.Application'. (14457)
In order to use this WAIT-FOR format (WAIT-FOR x:y), you must specify an
input-blocking method of a .NET object. (13968)
** <workspace>\.metadata\plugins\com.openedge.pdt.project\temp.dir\<.p
temp-file> Could not understand line 9. (196)

PSC00286982

=====

The Developer Studio doesn't mark ABL Scratchpad tasks as complete.
Subsequently when they are run there are never removed from the progress view.

PSC00286593

=====

When Windows font size set to 125% all controls not accessible in the toolbox

PSC00286592

=====

Any change to the AVM parameters, for example changing assemblies, adding
-basekey ini, to the startup parameters and etc , triggers "Initialize OpenEdge

tooling for propath" and this process takes more time.

PSC00286256

=====

PDSOE: Debugger does not report which rcode is missing

PSC00285757

=====

The Startup window in the Progress Developer Studio's preferences takes a long time to load if the AdminServer is not running.

PSC00285471

=====

Create new procedure wizard checks file extension incorrectly if the procedure name entered contains a dot (.) followed by characters other than 'p'.

PSC00284873

=====

AnyTool edit plugin is not working with PDSOE

PSC00280496

=====

When Appbuilder developed source code is opened in the PDSOE Editor the context menu "View Design" option has no effect. The option doesn't do anything.

PSC00279068

=====

When changing the compile exclude list in the Developer Studio project properties, when the 'Exclusion Rules' dialog is closed this triggers a full project build. Then when the project properties dialog is also closed this triggers another full project build.

PSC00277806

=====

While debugging resources that contain UTF-16 characters, the java.lang.ArrayIndexOutOfBoundsException error message is displayed.

PSC00269737

=====

When switching from the Visual Designer to the source code view in 11.3.1 depending on the code, this can result on a repetitive 15740 error:

You are trying to use a multi-threaded .NET object in a way that is not supported. The ABL cannot be called on a thread other than the main thread.

(15740)

This does not happen in 11.3.0, but only seems to happen with the introduction of 11.3.1.

PSC00268042

=====

Double-click on widget for Section Editor errors w 'DO ANYWHERE'

A Window that has an ON event-list ANYWHERE trigger without an associated widget or widget list breaks the functionality of going to the Section Editor of the widget when the user double-click the widget. In this case, double clicking any-widget in the window fails to go to the Section Editor and generates the following error message:

"

'Trigger Code Insertion UI Job' has encountered a problem.
An internal error has occurred.java.lang.NullPointerException

"

PSC00262596

=====

Having -(hyphen) in the startup parameters does not start AVM

Having -(hyphen) in the parameter values of the startup parameters does not start AVM

PSC00262528

=====

Open Declaration from editor context menu not working

PSC00262483

=====

.W Shows No Outline View w/Integrated AppBuilder

It is possible that when opening a .W file using the Integrated AppBuilder that the Outline View will contain no information.

PSC00262350

=====

Keyboard combinations freezes PDSOE

Specific key combinations cause the PDSOE to freeze for as much as 4 minutes. For example: ALT-SHIFT-P (new procedure dialog) and ALT-SHIFT-F (new function dialog).

PSC00261735

=====

Keyword Casing on Save causes code save delay

Keyword Casing on Save causes code save to take a long time when the code is being saved over a network.

PSC00261674

=====

END statement doesn't align with top of block in PDS

After typing DO: in the editor, the editor increases the indentation for the next line of code. When typing the END statement, however, the indentation doesn't auto-correct itself.

Example:

- Create a new ABL procedure in PDS
- Type DO: and hit return
- Note that the cursor is indented four spaces
- Type END. and hit return and note that the END statement stays indented.

PSC00261464

=====

Developer Studio should have "Exclude from OpenEdge tooling"

Performance during the 'Initializing OpenEdge Tooling' phase when using a Roundtable shared source repository is very poor.

PSC00261303

=====

Error 132 opening Appbuilder windows in Developer Studio

Opening Appbuilder generated Windows in the Developer Studio Appbuilder perspective can result in error 132:

** ttwidget already exists with POPUP-MENU-BROWSE-5. (132)

PSC00261054

=====

NPE in Progress Developer Studio 11.2.1 when using linked folder

NPE thrown on Developer Studio every time a project is opened, if the PROPATH contains the root of a drive.

PSC00260973

=====

Default run configuration doesn't inherit assemblies from projec

IF Project Properties > OpenEdge > Assemblies directory is set to a non-default

location
AND Windows > Preferences > Progress OpenEdge > Startup > Default startup
parametrs contains "-rand 2"
THEN A .NET DLL referenced by the code will fail to load
AND a System.IO.FileNotFoundException Error is generated. For example:
"
System.IO.FileNotFoundException: Could not load file or assembly 'MyLibrary,
Version=0.0.0.0, Culture=neutral, PublicKeyToken=199534c7b505750f' or one of
its dependencies. The system cannot find the file specified.
"

PSC00260939

Drag / drop from DB Structure to .W fails

Attempting to drag and drop tables / fields from the DB Structure View into the
Editor pane of a .W fails after selecting / scrolling the pane.

PSC00260517

ABL Scratchpad fails to open with Index Out of Bounds error

ABL Scratchpad fails to open with java.lang.IllegalArgumentException: Index out
of bounds due to incorrect settings in
<Workspace>\.metadata\plugins\com.openedge.pdt.text\tabsInfo.txt.

PSC00260446

Save button not always enabled after changing widget properties

The Save button is not always enabled on closing the dialog box after changing
the widget properties via property dialog. The button is never enabled if the
dialog was opened from the design canvas.

PSC00260428

Error opening .w file with the same fieldname in multiple tables

The integrated AppBuilder is throwing an unexpected error, ttwidget already
exists (132), when opening .W files in the UI Designer if there are widgets
referring to fields in different tables that have the same name (and these
fields are in the same frame).

PSC00260281

DB Navigator Index Sort Order column contains Field Type info

When using DB Navigator perspective in PDSOE, DB Details > OpenEdge Indexes tab
displays information from the Field Type column in the Sort Order column if

user has no SQL-92 privileges.

PSC00260254

=====

PDSOE launch configuration settings overwrite ubroker.properties

When a server is launched in the PDSOE Servers view, the launch configuration settings overwrite existing settings in ubroker.properties.

PSC00260242

=====

Assemblies.xml re-written when OK-ing Project Properties

Assemblies.xml re-written when OK-ing Project Properties. Any changes made to the order of assemblies are wiped out and have to be re-done.

PSC00260089

=====

Case-Sensitive validation of existing procedures is incorrect

When the customer tries to add a new procedure (using Add Procedure wizard) to an existing .W file sometimes he doesn't get the toggle option to override an existing procedure. This results in a local-procedure without the default code-block that should be auto-generate when selecting the "override" option.

PSC00260014

=====

DB Navigator does not handle comments correctly

DB Navigator does not handle SQL-92 comments using '--' notation correctly in some cases.

PSC00260008

=====

PDSOE not starting with -cpoll icu-cs in startup.pf file

PSC00258613

=====

Linked resources doesn't work with GUI ABL windows

When using Linked resources with ABL Windows the Developer Studio tries to save the window in the project directory rather than the correct linked directory. This results in the error:

Warning

<path to .w file>

Cannot save to this file. File is read-only or the path specified is invalid.
Use a different filename.

PSC00258003

Binding a fill-in with the LIKE option does not adjust the width

When you change the binding of a fill-in from the Property Sheet in the AppBuilder in PDS and configure the field to be LIKE a database table the width of the Fill-in does not automatically adjust. In the standalone AppBuilder changing a fill-in to be defined LIKE a database field will automatically adjust the width.

PSC00256688

When auto-indent on paste triggers auto-completion dialog closes

Using OEA visual designer, with large class files (+7000 lines of code). On invoking content assist immediately after Pasting code in the editor with auto-indent on paste preference is enabled, sometimes the auto-completion dialog closes immediately (after less than second) without giving a chance to the customer to select what they wanted.

PSC00256234

Bad JSON catalog if ABL temp-table definition has preprocessor

If an ABL class contains a temp-table which has a preprocessor in the definitions, using it in a Mobile service will cause a bad JSON catalog to be generated. The JSON will contain only the automatically added _id field, the fields from the temp-table itself will be missing.

PSC00254931

Clicking on a cell of LOGICAL type changes it's value in the db

Clicking on a cell of LOGICAL type in the Editing Item dialog from OpenEdge studio causes its value to change in the db.

PSC00254774

Improvement for automatic completion of quote and double-quote

PSC00253706

DevStudio Can Hang When Context Assist Trying to Work

Adding an extra parameter to a RUN statement with many parameters can cause DevStudio to hang and the CPU to go to 100% utilization.

PSC00252124

Proper error message should be displayed if we perform operations like Edit/Drop, Add column/table/index for old database (10.2B) connected to 11.0 or later version of PDSOE.

PSC00250238

ABL Scratchpad's cursor position moves to start when pasting

PSC00248766

Editing of Freeform queries is not supported in the text editor.

PSC00245241

When multiple monitors are in use and PDS is switched from one monitor to other, the content of Procedure Settings, Property Sheet and Choose Color dialogs are not completely visible when the dialogs are opened.

PSC00205912

Smart Tag is still visible when moving to other tabs

If you open a Smart Tag it stays until closed.

s. Porting

PSC00294570

protrace functionality (proGetStack ..) no longer works on Linux with hostname longer than 20 characters

t. QPE

PSC00280568

Getting error 1416 connecting though oebuild ABL client from AIX to MSSQL server broker running on windows

u. REST Adapter

PSC00259855

=====

httpclient authorizationinfo object has memory leak.

PSC00258053

=====

Decimal parameters not passed to rest adapter from mobile app

When using an invoke method to pass back a DECIMAL parameter to the restbroker a zero value is received. When using decimal fields in a temp-table this works fine and other data-types (character, integer, etc...) work fine.

PSC00255292

=====

oe_tc.bat fails to configure external TomCat when TomCat installation has spaces in the Path or Directory name.

v. Replication

PSC00262036

=====

OpenEdge Replication target agent gets system error 10402:

OpenEdge Replication target stops to work suddenly after being correctly initiated, synchronized, and working as expected after a period of time

(10402) SYSTEM ERROR: rlRecordGetLockManage error: unexpected start for trid 1472981642logicalOpId 5 logicalOpId in table 4

(10428) Function dsaAIApplyNote failed in rpNOT_ProcessNoteBlock with error -1.

PSC00261157

=====

repl monitor shows target is behind src when no activity on src

Replication Monitor (dsrutil <target> -C monitor) shows target is behind source database when there is no activity on source database.

PSC00207385

=====

Can't transition target database created online

If the source database is enabled online and a target is created from that, you can't transition the target database if the source database hasn't been restarted before the transition.

w. SQL

PSC00285383

=====

When two tables are joined with a join condition on Char or Varchar columns, and there is no database index available to support the join, and the case sensitivity of the join columns differs then we do not get the expected result set.

PSC00283304

=====

The sqlsrv2 user dies unexpectedly when running a SQL query with a BETWEEN predicate on an indexed column in the WHERE clause.

PSC00281210

=====

SQL 92 WHERE clause containing ≥ -29901 and ≤ -20000 returns past - 29901 values like -30000. Changing the ≥ -29901 to ≥ -29900 returns correct values.

PSC00280006

=====

The sqlsrv2 user dies unexpectedly when running a SQL query with a BETWEEN predicate on an indexed column in the WHERE clause.

PSC00270050

=====

The SQL engine crashes when using the set operators INTERSECT and MINUS with SELECT statements that contain more than 15 columns in the column list. If the number of columns is between 16 and 24, the query may not crash, but rather give incorrect results and/or internal errors.

PSC00262767

=====

Prior to 11.4, SQL engine was returning syntax error if the right-hand side table name in a LEFT JOIN begins with "group". Now this issue is fixed and no such syntax error shall be thrown if right-hand side table name in a LEFT JOIN begins with "group".

PSC00261558

=====

SQL Server crashes when updating statistics

SQL Server crashes when running update statistics twice on a database with SPANISH9 collation and Spanish promsgs.

PSC00260771

Performance issues with certain SQL queries in OE11.x

Prior to 11.3.2, certain complex select queries can result in critical drop in response time.

PSC00260732

ODBC driver hangs while fetching special character data

An ODBC client hangs when the driver is trying to fetch more than 16383 special characters. This issue has been fixed.

PSC00260669

Prior to 11.4, foreign key constraint violation was generating an uninformative message, throwing a generic 'Constraint violation (7597)' error. The error message is now generated in the following format for foreign key constraint violations:

"Violation of FOREIGN KEY constraint on reference table <owner>.<tablename>".

PSC00259002

Internal error in SQL ENGINE at 397 in opt_jfn1.exx

Executing a certain query which has unions may generates the error:

Encountered internal error in SQL ENGINE at 397 in
/vobs_sql/sql/src/rds/opt_jfn1.exx contact Progress Technical Support.

PSC00258398

_sqlsrv2 process using 25% of cpu when running reports in OEM

PSC00257038

Loading ICU-UCA.df destroys ability to connect via SQL

Loading customized ICU-UCA.df destroys ability to connect via ODBC or JDBC

PSC00256926

update statistics with index stats make SQL query unexecutable

The command:

update table statistics and column statistics and index statistics;

make an SQL query that used to work before the update of the SQL statistics unexecutable with sql engine crash.

If query plan generated by sql engine has very large number of TIDUNION nodes (may be because large number of OR clause or huge number of values in IN clause), sql engine ends up using all program stack (which is 1M by default) and hence causing crash.

PSC00252727

=====

Error: Encountered internal internal error in SQL ENGINE at 395

The following SQL error appear on a specific SQL query after an upgrade from 10.1C04 to 10.2B07:

Error: Encountered internal internal error in SQL ENGINE at 395 in

Z:/vobs_sql/sql/src/rds/opt_join.cxx

PSC00250487

=====

Enabling SQL Statement tracing crashes the server

The SQL Server crashes if a long statement is executed after SQL Statement logging has been enabled.

PSC00248357

=====

The SQL server can crash with certain INSERT INTO statements

PSC00227812

=====

ODBC driver retrieves column names with hyphens as not updatable

ODBC driver returns attribute SQL_DESC_UPDATABLE as 0 for columns with hyphens in their names when the columns are in fact updatable.

PSC00140864

=====

A query with an IN predicate, where the IN predicate contains a large number of values (more than 200) runs extremely slowly.

x. Server Technology

PSC00305173

=====

The timeout error message triggered by the -clientConnectTimeout parameter is missing error number 9407

PSC00289888

=====

Unable to manage unified brokers from CLI when the name contains ":"

PSC00288749

=====

When monitoring the WSA instance, the http connection is leaking through the RSA SSL threads.

PSC00279988

=====

Errors when OE 10 .NET open client connects to OE 11.2 or newer AppServer using stateless or state-free operating mode

PSC00279611

=====

Calling an HTTPS Web Service causes a 130 seconds delay compared to calling the same Web Service through HTTP.

PSC00277820

=====

WebSpeed broker does not start when a OS user is used in the groupName and userName under the WebSpeed broker definition in the ubroker.properties file.

PSC00159447

=====

Support for SSL client certificate

This is an enhancement request for the SSL client certificate support for the OpenEdge client. This is called 'Client Identity Verification' or two-way SSL. In this scenario clients might be required to present their digital certificate to the SSL server which then verifies it and if all is ok, then establishes a SSL connection/session.

y. TTY

PSC00285612

The Character Client continues to display "Insert" in the status area after the "Procedure Complete" message is displayed and the cursor is no longer in a fill-in.

PSC00280029

The Windows Character Client crashes when the FRAME color specification is set to "/" or a single color instead of a display color/prompt color pair.

z. Unsupported Products

PSC00256174

Profiler 1.1 shipped with OE11 docs has OE10 DB

Database shipped with Profiler 1.1 in the OpenEdge 11 documentation samples has not been upgraded to OpenEdge 11. It is still OpenEdge 10.1 or 10.2.

PSC00256172

Profiler 1.1 fails to launch on Windows 7

When trying to start Profiler 1.1 from short-cut or clicking directly on profilerviewer1.1.vbs, command prompt windows flashes up and disappears; Profiler is not displayed.

{. Web Services Adapter

PSC00260607

WSDL listing page fails in newer browser versions

WSDL listing page fails in newer browser versions (IE9, FireFox 21.0 and Chrome 27.0.x) while the same page looks perfectly fine in IE8.

|. WebSpeed

PSC00297447

HTTP Error 502.2 when CGI variables exceed 32 Kb

PSC00280172

=====

Enabling SSL for cgiip and wsbroker1 cause the page to not load - HTTP Error status 500 displayed on browser.

Segmentation Fault is shown in the Apache httpd error_log file.

PSC00260224

=====

cgiip.exe crashes when connecting to ssl enabled broker

cgiip.exe crashes when connecting to ssl enabled webspeed broker. This causes IIS to show 502 error in the web browser.

PSC00249294

=====

isapi messenger corrupts uploaded some pdf files

Some pdf files get corrupted when use isapi (wsisa.dll) messenger to upload binary file.

PSC00246961

=====

files cgiip.exe, cgiip.wsc and swisa.dll not in scripts folder

After a 'WebSpeed Messenger' installation with OpenEdge 11.1 the files cgiip.exe, cgiip.wsc and swisa.dll are not installed in the C:\inetpub\scripts folder.

PSC00243186

=====

Intermittent HTTP 502.2 error when use CGI messenger on =>IIS7.5

Intermittent HTTP 502.2 error when use CGI messenger on Windows 2008 R2 or Windows 7 with IIS 7.5 or higher

PSC00214678

=====

src/web* source code missing :U attribute on a number of strings

The source code shipped for use with Webspeed (found in the src/web and src/web2 directories) contains a number of strings that should not be translated, but which do not have the :U provided.

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OVERVIEW

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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

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(See the file ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part of any program generated from the IJG code, this does

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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
randeg@alum.rpi.edu
September 1, 2001

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Contents of zlib.txt file (from GraphicsMagick):

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). 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>](mailto:zlib@quest.jpl.nasa.gov), or to Gilles Vollant [<info@winimage.com>](mailto: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>](mailto: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 untgz 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*

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 minigzip.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.

- gzopen 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 -D_MAX_WBITS=11 -D_MAX_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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Jean-loup Gailly Mark Adler

jloup@gzip.org madler@alumni.caltech.edu

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