Java 7.5 Generator

UPGRADE #9

Compatibility

- GeneXus standard classes (gxclassr.zip) have changed, so it is not compatible with the previous one. This implies that all objects of those models generated with 7.5 version upgrade #8 or any previous one, must be regenerated (build all or those main object(s) required + add called).

- Verify that the 'GeneXus Java Standard Classes' are NOT in the directory 'C:\WINDOWS\Downloaded Program Files'. In case they are in this directory, a 'Remove' must be done to compile successfully with Microsoft.

- As far as multi-tier applications or web applications (servlets) are concerned, standard classes (gxclassr.zip) will have to be updated in the servers where the applications server and/or the servlets server are running.

Corrected errors

- **SAC #13710 - Picture 99:99 on datetime does not work in web panel**

There is a datetime variable (or attribute) defined as T(0,5) with picture 99:99 (Date Format = None). On executing it, the date slashes and the time appear with AM: " / / 12:00 AM", instead of "00:00".

- **SAC #15176 – On pressing ENTER on date the record is not confirmed**

There is a 2-level transaction and in the first level there is a Date field. On pressing ENTER being on this field the record is not confirmed and the focus does not remain on the button associated to the Enter event.

- **SAC #15475 - Report Viewer does not enable Save As option**

On visualizing a report with report viewer, the Save As option appears disabled.

- **SAC #15493 -3-tier null dates are wrongly visualized, 01/01/01**

In a 3-tier application there is a transaction with a Date attribute. When visualizing the records with the null Date attribute, you see '01/01/01' instead of ' / / '.

- **SAC #15558 - Library List in reorganization is not taken into account**

Library List in reorganization is not taken into account.

- **SAC # 15835 - CREATE DATABASE fails on PostgreSQL 7.4**

On executing a create database on PosgreSQL 7.4 with Java (JDBC), it fails with an error of the following type: 'ERROR: relation "XXXX" does not exist'.

Compatibility

- GeneXus standard classes (gxclassr.zip) have changed, so it is not compatible with the previous one. This implies that all objects of those models generated with 7.5 version upgrade #7 or any previous one, must be regenerated (build all or those main object(s) required + add called).

- Verify that the 'GeneXus Java Standard Classes' are NOT in the directory 'C:\WINDOWS\Downloaded Program Files'. In case they are in this directory, a 'Remove' must be done to compile successfully with Microsoft.

- As far as multi-tier applications or web applications (servlets) are concerned, standard classes (gxclassr.zip) will have to be updated in the servers where the applications server and/or the servlets server are running.

New Features

- ***SAC #14504 –" Property to indicate folder where pdfs will be saved."***

A property has been added to the PDFReport.ini file. It is called OutputFileDirectory and is used to indicate in which folder will pdf files be saved, if saved to a file.

- ***SAC # 14505 – gxdberr and gxdbtxt variables were implemented***

&gxdberr and &gxdbtxt variables have been implemented. They can be queried when using the command or rule error_handler.

- ***SAC # 14530 – New error descriptions on receiving mails***

New descriptions have been added in gxoffice2.dll to control mails reception with MAPISession.

Corrected errors

- **SAC #11428 - Problems with pictures for numeric data in work panels**

Pictures for Numeric data type variables or attributes are not working properly.

- **SAC #12696 - Report Viewer starts behind the application**

On calling a report, the Report Viewer starts behind the application, a "small clock" remains visible and it seems that the application crashed.

- **SAC #13163 - Call SOAP does not work in 3-tier model**

Calling a proc SOAP from a 3-tier model is not working.

- **SAC #13212 - Problems when formatting LongVarChar**

A problem occurs with GXMLines and GXGetMLi functions when formatting LongVarChar visualization.

- **SAC #13670 - Problems when installing WARs in some servlet engines**

When managing characters such as "ñ" or characters with accent, web.xml was not properly built, which resulted in errors when installing the war in some servlet servers, such as Jrun 4.0

- **SAC #13747 - "Err 200 Illegal use of an erased ref or key" in Web TRN**

When generating a web transaction with subfile, if the GxRemove variable is the last one in the subfile column, the following error occurs: "Err 200 Illegal use of an erased ref or key", and the object is not generated.

- **SAC #14128 – 'Date date type definition = Date' is not implemented**

The property "Date date type definition" = Date was not completely implemented and values saved for dates were wrong.

- **SAC #14258 - Problem with filter datetime and null**

If there is a datetime null filter type in a work panel, instead of loading all the records in the subfile, it does not load any of them.

- **SAC #14300 - Prompt image enabled with conditional noaccept**

The prompt of a foreign key type attribute is visualized and enabled when there is a conditional NoAccept rule.

- **SAC #14383 - Work panel with menubar appears cut out**

There is a work panel with an associated menu bar. On executing, the work panel screen bottom remains cut out in approximately 0,5 centimeters.

- **SAC #14430 — Wrong values in dates and times if daylight is enabled**

When executing an application with functions or variables such as time(), now(), etc, in a PC that has a time zone setup with the option "Automatically adjust clock for daylight saving changes", the returned values are wrong.

- **SAC #14456 - java.lang.ArrayIndexOutOfBoundsException in 3-tier HTTP**

An error of the following type: "java.lang.ArrayIndexOutOfBoundsException" occurs randomly in 3-tier http application.

- **SAC #14468 - ToolTipText property does not work**

If a MDI application is generated and the ToolTipText property is setup to any control (button, checkbox, edit, listbox, etc), the text does not appear. Besides, it does not work for checkbox in SDI.

- **SAC #14502 - Problems with dfrgtxt function**

The dfrgtxt function does not work properly. It removes the first and last character from the lines.

- **SAC #14503 — Return variable is not assigned in exit event**

There is a work panel called by another one with a parameter. If the called wkp changes in the exit event, when returning to the caller wkp, this change is not reflected.

- **SAC #14514 - Problems with time zone in web applications**

A register without date is entered in a web transaction and when it is shown in the web panel subfile, it shows a not null date, although it is correctly saved in the base 01/01/1753.

- **SAC #14561 — Subfile lines remain wrong when using scroll**

Subfile rows are overwritten when clicking and then scrolling in a work panel with load on request.

- **SAC #14592 - java.lang.IllegalArgumentException when using webwrapper**

When sending a mail with webwrapper from a webpanel, the following error occurs: GXWebObjectBase.cleanup[744156936]: java.lang.IllegalArgumentException: Can't find user information for handle 744156936.

- **SAC #14597 — Authentication does not work in SMTP data type**

You want to send a mail with SMTPSession data type. Authentication does not work; therefore, if you need to be authenticated with the server, you cannot send the mail, receiving back error 14.

- **SAC #14710 — Wrong Portuguese texts in connection to DB dialog**

Some texts in Portuguese are wrong in the connection to database dialog.

- **SAC #14867 - Problems with preference: Use decimal arithmetic**

If the 'Use decimal arithmetic' preference is in YES, RPC's are wrongly generated with decimal parameters. The "Type Mismatch" error occurs in runtime, since the call is made with CHAR type data.

- **SAC #14882 - Problem with pdfs reports in platforms other than Windows**

On calling PDF reports in servers other than Windows (ie: WAS and RAWT in AS/400), errors of the following type may occur: Error 500: java.lang.LinkageError: javax/accessibility/AccessibleContextb

- **SAC #14919 — Characters get lost when typing on Date or DateTime fields**

On entering a date or datetime field relatively fast, the entered characters may not be taken and you must reattempt.

- **SAC #14984 — Problems on sending mails with SMTP if there is Antivirus**

If you attempt to send a mail through SMTP from a PC with an activated Antivirus, the following error may occur: "3 - Could not complete login"

- **SAC #14990 — 4-digit dates are wrongly entered**

A 4-digit date type variable is entered in a work panel or transaction and, on moving to the subfile with a click, the date does not remain with the correct value (it remains zeroed or with the wrong year).

- **SAC #15007 — Error on exiting with last tab from a control tab**

On exiting with last tab from a tab control with some non-visible tabs, an error of the following type occurs: java.lang.ArrayIndexOutOfBoundsException

- **SAC #15080 — Problems with encodings in XML reports.**

The encoding set in the XML header is not the correct one. The XML is written in ISO-8859-1 and in the header the encoding set is UTF-8.

Compatibility

- GeneXus standard classes (gxclassr.zip) have changed, so it is not compatible with the previous one. This implies that all objects of those models generated with 7.5 version upgrade #6 or any previous one, must be regenerated (build all or those main object(s) required + add called).

- Verify that the 'GeneXus Java Standard Classes' are NOT in the directory 'C:\WINDOWS\Downloaded Program Files'. In case they are in this directory, a 'Remove' must be done to compile successfully with Microsoft.

- As far as multi-tier applications or web applications (servlets) are concerned, standard classes (gxclassr.zip) will have to be updated in the servers where the applications server and/or the servlets server are running.

New Features

- ***SAC #13608 –"Passing last char" in "Field Exit" preference***

The "Passing last char" value has been implemented for the "Field Exit" preference.

- ***SAC #13910 – Support in War Deployment for Iplanet***

The possibility of generating a WAR for Iplanet was added in War Deployment.

Corrected Errors

- **SAC #10977 - Problems with 'Field Exit' preference**

The behavior of the 'Field Exit' preference is wrong for some values.

- **SAC #11668 – It does not take enter as Field Exit with value Enter-Tab- Shift-Tab**

On defining the combination Enter,Tab,Shift-Tab in the Field Exit preference, the Enter key is not considered as Field Exit and is kept as confirmation of the Transaction.

- **SAC #12358 – The foreign key prompt is visualized when it shouldn't**

The prompt of a foreign key type attribute is visualized although it was setup for not appearing or appearing disabled.

- **SAC #12592 - 'prompt on' rule does not work within web components**

There is a web panel with a 'prompt on' rule. If this web panel is executed as such, the rule works properly, but if it is executed as web component, the rule does not work.

- **SAC #13497 - Error in reorganization with Referential Integrity**

On working with the preference "Declare Referential Integrity= Yes", an error occurred when adding an attribute to the primary key of the extended table. Solved in Oracle.

- **SAC #13506 - "Table was changed" when record is changed with date**

There is a web transaction where one of the attributes is a date. When attempting to update a record (any field), where the date has a year that is earlier than the one indicated in the preference "First year of 20th century", the following error occurs: "<NomTabla> was changed"

- **SAC #13508 - Error on executing PDF report in http 3-tier application**

On executing a PDF report with an image, remotely, in an HTTP 3-tier application, an error occurs.

- **SAC #13676 – Is not possible to pass to next row of subfile when there are Hide column**

There is a transaction where the last subfile column(s) is (are) hidden. Is not possible to pass to next row in the subfile when pressing tab in the last visible column.

- **SAC #13685 – It does not execute exit event when closing MDI container**

The Exit event is not executed with pressing the 'x' of the MDI container.

- **SAC #13700 - Error when calling report generated in the server**

There is a report defined as remote and the functions 'getremotefile' and 'opengxreport' to bring it and open it in the client. When making these calls in the client, an error occurs.

- **SAC #13823 - Problem with WriteStartDocument**

When using the WriteStartDocument() method in the XMLWriter data type, it writes <?xml version="1.0" encoding="8859_1"?>, which is wrong; it should be <?xml version="1.0" encoding="ISO-8859-1"?>

- **SAC #13825 – It creates more cursors than necessary in nested for each's with return**

If there is a procedure with two nested for each's and a return, more cursors than necessary will be created. This may cause the application to hang up, if the maximum number of cursors allowed is reached.

- **SAC #13849 – It does not remove cookie**

When doing a setcookie with a date prior to the current one, it does not remove the cookie, as it should.

- **SAC #13860 - Problems in export reorganization**

It cuts the URL JDBC text when using export reorganization and a connection error occurs

- **SAC #13874 - Problems when reading XML with comment before the root**

With XMLReader, the reading of an xml with comments before the root element does not return the correct values.

- **SAC #13897 - Problems with Time Zone**

In specific time zones, there are problems with dates and datetimes, reading or saving wrong values in this attribute type.

- **SAC #13912 - Problems with WARs if "Static Content base url = /"**

If there is the preference "Static Content Base URL" = '/' (i.e.: the webapp root), the WAR was wrongly built.

- **SAC #13954 - tab.ActivePage does not work**

There is a work panel with a tab dialog with several tabs. A 'tab.ActivePage=X' is put in the corresponding Start event. When executing, the X label does not open.

- **SAC #13957 - Tab.OnPageActivate is not triggered with hidden tabs**

If the tab dialog control has the "hide tabs" property checked, the OnPageActivate event is not triggered.

- **SAC #14019 - Problem when clicking on the Longvarchar attribute**

When clicking on a Longvarchar attribute, the first N characters remain selected instead of keeping the focus on the place of the clicked Longvarchar.

- **SAC #14052 – Help event not triggered**

If there is a button to which the help event is associated in a windows application, when pressing the button, the help is not executed.

- **SAC #14069 - Error_handler rule does not work properly**

On attempting to capture a referential integrity error with the Error_handler rule when removing a record, the program fails with the database error instead of capturing them.

- **SAC #14152 - Enter does not work in transaction subfile**

In a 2-level transaction, when positioned on subfile attribute, the enter key does not work. To confirm it, you must click on the "update/add/confirm" button.

- **SAC #14162 - Problem on double clicking on numeric field**

On double clicking on a numeric type field, the cursor remains at the left hand side of the edit, thus allowing to enter a value there.

- **SAC #14199 – Excessive memory use in work panels execution**

The memory used on executing work panels is not released because of "memory leaks". As a result, the PC memory shows a considerable increase when you have been working within an application with work panels for some time.

- **SAC #14217 - Problems in War Deployment when building War for Weblogic**

In WAR Deployment, if you select Weblogic, on generating the build the wizard stops working.

- **SAC #14230 - Memory leak per each request to the servlet server**

A small 'memory leak' (about 700 bytes) has been found in web applications, per each request made to the server.

Compatibility

- GeneXus standard classes (gxclassr.zip) have changed, so it is not compatible with the previous one. This implies that all objects of those models generated with 7.5 version upgrade #5 or any previous one, must be regenerated (build all or those main object(s) required + add called).

- Verify that the 'GeneXus Java Standard Classes' are NOT in the directory 'C:\WINDOWS\Downloaded Program Files'. In case they are in this directory, a 'Remove' must be done to compile successfully with Microsoft.

- As far as multi-tier applications or web applications (servlets) are concerned, standard classes (gxclassr.zip) will have to be updated in the servers where the applications server and/or the servlets server are running.

New Features

- *SAC #13189 – New property for subfiles: currentLine*

The "currentLine" property has been implemented for subfiles. It allows determining the subfile current line number where the cursor is positioned as well as positioning it on a specific subfile line.

- *SAC #13307 – New encoding to be used in Chinese*

A new encoding was implemented, in order to can read and write the 'space' character as double-bytes

- *SAC #13328 - makefiles (.mak) generation time has been optimized*

The time required to calculate the maks that must be regenerated (or to do 'touch') as well as the time required to generate them, have been considerable improved (around 5 times faster).

- *SAC #13337 - WAR support for Weblogic*

In the WAR Deployment it is possible to generate the WAR with the web.xml corresponding to the Weblogic Server. Therefore, an option has been added to the wizard to generate WARs for Weblogic.

- *SAC #13505 - WAR support for Websphere 5.0*

In the WAR Deployment it is possible to generate the WAR with the web.xml corresponding to the Websphere 5.0. Therefore, an option has been added to the wizard to generate WARs for this version of WebSphere.

Corrected Errors

- **SAC #12860 – Visible subfile property does not work correctly**

There is a TRN in a web environment where there is a foreign key in the second level subfile. The foreign key is hidden. In spite of this, the prompt image are visualized.

- **SAC #13291 - Error when creating GXWS deployment**

Error java.lang.StringIndexOutOfBoundsException: -1 when creating the gxws deployment under specific circumstances.

- **SAC #13292 – The link in images does not work in Netscape**

Links in images do not work in Netscape 4.7 version.

- **SAC #13326 - Problem with CTOD function**

When using the CTOD function with yy/mm/dd format, the result is wrong.

- **SAC #13345 - Picture $,$$$,$$$.99**

The picture $,$$$,$$$.99 has been implemented for the java generator (only for reports).

- **SAC #13350 – Wrong generation of proc SOAP**

Instead of generating <?xml version="1.0" encoding="ISO8859-1"?>
It is generating <?xml version="1.0" encoding="ISO8859_1"?>

- **SAC #13358 - Problem in Oracle and "Enable National language support"=Yes**

It does not allow reading records in a transaction whose primary key is a Char, in a model against Oracle, where the option "Enable National language support " is in Yes.

- **SAC #13365 – Column sort does not work in subfiles**

The column sort does not work in work panel subfiles although the preference "Click to sort in subfile" is enable for this at model and object level.

- **SAC #13368 – Vertical formula is not triggered in trn called in UPD mode**

Vertical formula (SUM) is not triggered in 2-level transaction called in UPD mode.

- **SAC #13409 - J0235: 'setBitmap' is not a method in class 'ubitmap'**

When the property Form.Bitmap = loadbitmap('c:\any.bmp') is used in the start event of a work panel, a compile error occurs.

- **SAC #13448 - Error when isNull is used more than once with the same att**

An error occurs in runtime when using the isNull function more than once over the same attribute in the same for each.

- **SAC #13453 – The SetFocus is not working properly when returning from prompt in subfile**

Let us suppose that we have a 2-level transaction, such as the invoice typical one. If in a subfile we call another work panel to load the product (prompt), when returning to the transaction with the selected product, the focus does not remain on the cell where we were and where the product that has been brought to the prompt was loaded; instead, it remains on the same column (prdid), but of the first subfile line.

UPGRADE #5

Compatibility

- GeneXus standard classes (gxclassr.zip) have changed, so it is not compatible with the previous one. This implies that all objects of those models generated with 7.5 version upgrade #4 or any previous one, must be regenerated (build all or those main object(s) required + add called).

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- As far as multi-tier applications or web applications (servlets) are concerned, standard classes (gxclassr.zip) will have to be updated in the servers where the applications server and/or the servlets server are running.

New Features

- **SAC #12758 - New DBMS Option: "Date data type definition" for DB2/400**

This DBMS Option allows indicating the format to be used for the date attributes defined as Date in GX. The possible values are the following:
- Date: it allows defining Date type attributes as Date in the database.
- Character: it allows defining Date type attributes as Character in the database.

- **SAC #12816 - "ToolTipText" property in edit and bitmap controls**

The "ToolTipText" property has been implemented on controlas as Edit and Bitmap.

- **SAC #12940 – Open Windows have been added to the menu's Windows option**

In MDI applications, a list with the application's open windows have been added to the 'Windows' menu (in addition to Tile and Cascade). By selecting one of them you access the selected window.

- **SAC #12941 - DLL to obtain the domain from a java application**

A class and a DLL have been created that allow obtaining, from a java application, the domain (windows) where the application user logs.

- **SAC #12959 – New Event: TabControlName.OnPageActivate**

A new event has been implemented: TabControlName.OnPageActivate. It is triggered when activating another tab from a tab dialog.

- **SAC #12988 – Selection of subfile's rows like in Windows**

The selection of a subfile's rows like in Windows has been implemented. I.e.: Shift-UpArrow, Shift-DownArrow, Ctrl-Click, etc.

- **SAC #12998 - New Model Property: "Namespace for RPC declarations"**

A new property has been implemented: "Namespace for RPC declarations". It is useful to distinguish AS400's stored procedures declarations, which are global when they are made from different KBs.

- **SAC #13000 – Windows reuse: objectIsOpen and objectSetFocus**

The A menu action is taken from the main Menu (the A window is opened). Then, the B Menu action is taken (the B window is opened) and the user takes the A Menu action again (an A' window is opened again). The idea is not opening a new A' window but returning to the A window.

- **SAC #13020 - New property for XMLWriter data type: "UseEntities"**

The "UseEntities" property has been implemented for the XMLWriter data type. It allows writing the entities corresponding to special characters.

- **SAC #13072 – Numbers as shortcut in Menu Bar Items**

In the menu bar items, it is possible to define numbers as shortcut, such as "Alt + 3", in addition to the letters and function keys.
Note: The upg. 5 of Developmnet Environment is required.

- **SAC #13113 - Sort on click at subfile level**

The Click to Sort property has been implemented at subfile level.

- **SAC #13140 - SetFocus() on subfile field**

The possibility of doing setfocus() to a subfile field has been implemented. It positions the focus on the filed of the subfile's active line.

- **SAC #13146 – Maintain the same menubar between calls**

A procedure to maintain the same menubar between calls to objects has been implemented.
The idea is that the caller object's menubar is always shown.

- **SAC #13230 - AutoComplete property in web fields**

The AutoComplete property has been added to fields in web applications.
So far, it can only be set up in runtime and it is necessary to have "Allow non standard function" both in design and in prototype.

Corrected Errors

- **SAC #4010 – The formula attribute does not refresh in WKP with refresh**

The formula attribute does not refresh en WKP with refresh. There is a WKP with base table where a formula attribute is shown in the fixed part (in this case is a SUM). The refresh command in an event does not refresh the formula value.

- **SAC #10971 - Error when reorganizing in PostgreSQL**

When executing a reorganization for DBMS POSTGRESQL that implies a tables RENAME, the following error occurs: "Cannot insert a duplicate key into unique index clientes_pkey"

- **SAC #11952 - Preference Show Status Bar does not work**

Independently of the value selected in the preference: Show Status Bar, Always, Never, Depending on object type, the status bar always appears.

- **SAC #12241 - Delete in web transactions with two parallel subfiles**

If in a transaction there are two parallel levels, the &GXRemove variable is the same in both subfiles. Consequently, if some lines of one of the subfiles are selected to do DELETE, it also tries to delete these lines in the other subfile.

- **SAC #12564 - Cursor is already open in Informix - WEB**

There is a WEB TRN with foreign key. When pressing the check button twice, the following error occurs: javax.servlet.ServletException: java.sql.SQLException: Cursor is already open.

- **SAC #12591 - Da <tabla> was changed in webtrn that receives INS mode**

There is 2-level web transaction that receives the (&mode) mode as parameter. If the values are entered and CHECK and then Apply Changes are pressed, the mentioned error occurs.

- **SAC #12592 - Prompt on rule does not work within web components**

There is a web panel with a prompt on rule. If this web panel is executed by itself, the rule works correctly, but if it is executed as web component, it is not executed.

- **SAC #12593 – It does not call prompt if the variable is repeated in other prompt**

There is a web panel that calls two prompts that bring the same variable. In runtime, only one of the prompts is triggered.

- **SAC #12601 - Problem with numeric type listbox**

There is a numeric type variable in a listbox, and the following in an event:
If &var.Value(&i) = &num

…
Endif

Where &num is numeric type. When compiling, it fails with an error of the following type:
error J0081: Value for argument 1 cannot be converted from 'short' in call to 'int GXutil.strcmp(String, String)'

- **SAC #12610 - Error when executing for each with isnull() function**

In a model with the preference "generate null for nullvalue" in Yes, when asking for IsNull(att) within a forech, the following error type occurs when executing:
java.lang.ClassCastException: java/lang/Object
    at atest$default.getResults

- **SAC #12660 – Filter does not work in GxSelPict function**

When using the GxSelPict function, the entered filter is not taken into account.

- **SAC #12696 - Report Viewer in Windows 95 starts from behind the application**

When calling a report in Windows 95, the Report Viewer starts from behind the application and a "small clock" remains visible.

- **SAC #12717 - Problems with DW and GXWS**

In the Deploymente Wizard there was no warning when one of its classes did not exist. Icons management in shortcuts created by GeneXus Web Start was not working properly either.

- **SAC #12724 – "<tabla> was changed" in web transaction with now()**

There is a transaction with a datetime field T(10.5); i.e. no seconds are assigned to it.
In the rules, this attribute is assigned now() if after(confirm). Once this record is saved, it cannot be modified from the transaction since the following error occurs: <tabla> was changed.

- **SAC #12728 – "<tabla> was changed" in 3-tier http stateless**

There is a 3-tier application with http stateless. If a transaction is called with key and mode, with the delete mode, when trying to delete the record, the following message is displayed: XX was changed… where XX is the table's name.

- **SAC #12731 – It crashes when strongly scrolling wkp with load on request**

In a 3-tier application, there is a work panel "work with" type work panel with load on request. The scrollbar is strongly taken downwards with the mouse, once and again. Suddenly, the application crashes.

- **SAC #12736 – SSP, problem when calling html with special character**

Using SSP on request, when calling an object by transferring it special characters in the parameters, it does not find them and crashes.

- **SAC #12759 – Error J0049: Undefined name 'pr_default'**

There is a TRN with a dynamic combo box. If the combo box data are loaded from a table that has been defined by means of a data view that points at a datastore different from the default, when compiling the TRN, the following error occurs: Error J0049: Undefined name 'pr_default'

- **SAC #12785 – Problem with redundancy in 3-tier transaction**

There is a 3-tier transaction. When confirming it, it must update a redundancy in another table.
The transaction has the property "Optimize for multi-tier execution" with value "No". When updating the TRN, the following error occurs:
java.lang.NullPointerException
 at com/genexus/db/LocalUserInformation.getConnection

- **SAC #12804 – Problem with ADDMTH with date with day 31**

There is the following date: 31/03/2002. If it is applied to the ADDMTH function with -4, the result is 1/12/2001, although it should be 30/11/2001

- **SAC #12808 – Ttoc does not respect model language**

The ttoc() function is used, and in the preference "Date Format in CTOD function" it has value "Language Dependent". Independently of the model language, the function always returns the date with mm/dd/yy format.

- **SAC #12812 – Invisible active image**

When .visible = 0 is assigned to an image, it remains active all the same. I.e.: if you click on the place where it is located, it executes the associated event.

- **SAC #12815 – Wkp sorts wrongly with load on request and OnLineActivate**

There is a work panel with load on request and with the load and OnLineActivate events defined. In the load event, already sorted variables are loaded (1-load, 2-load, etc, 15-load), but when executing and loading new files (scrolling), the latter remain unsorted.

- **SAC #12818 – Error "java.lang.OutOfMemoryError" in web applications**

In specific circumstances, more frequently in web applications with PDF reports with images, an error of the following type may occur:
HTTP Status 500 - Internal Server Error
javax.servlet.ServletException: java.lang.OutOfMemoryError

- **SAC #12858 – Error "java.lang.NullPointerException" in web applications in WAS**

Using Websphere as servlets engine, if something from the form is read in a GET, it may cancel with the following error:
Error 500: java.lang.NullPointerException
at com.genexus.webpanels.HttpContextWeb.cgiGet(Unknown Source)

- **SAC #12861 – "Can't find user information for handle 694880779"**

In some circumstances, it happened that if a user does not use the application for a period of time (at least 5 minutes), when it returns to work in the application, the following error type occur: Can't find user information for handle 694880779"

- **SAC #12863 – Application crashes when leaving Wkp with refresh timeout standby**

The application crashes when it is not used and is left standby in a work panel with refresh timeout.

- **SAC #12949 – The setup that is built from GXWS Dep. does not install in "All Users"**

In spite of having the "Install in All users" property set up in the GXWS Deployment's wizard, this is not taken into account in the setup that is built.

- **SAC #12955 – Error when compiling object with excel data type**

When trying to access the cells' properties, the following compilation error occurs:
htrabexcel_impl.java(352,48) : error J0010: Syntax error.

- **SAC #12989 –OnLineActivate Event is not activated when there is a selection**

The OnLineActivate event is not activated when there are lines selected in the subfile.

- **SAC #12992 – Close the xmlReader does not release file.**

A file is opened with the xmlReader.open. When closing it by means of the close() method, the file is not "released".

- **SAC #12995 – java.lang.InternalError: Date without date separator XX**

If a string without date separator is transferred to the CtoD function, e.g.: Ctod('1'), it crashes with the following error type: java.lang.InternalError: Date without date separator 1

- **SAC #13012 – .or. null(&var) type filter does no work in PostgreSQL**

If in PostGreSQL there is a condition of the following style:
est = &est2 or null(&est2);
It does not bring any record if &est2 variable is null.

- **SAC #13017 – It gives 'invalid date' if the time of a datetime is not entered**

There is an attribute or variable defined as datetime such as T(8,8), in a transaction or work panel. When entering a value in the date, if no value is entered in the time, when pressing "tab", the following error occurs: "Invalid Date" (or "Fecha inválida").

- **SAC #13039 – Dynamic combo box in transaction's subfile**

When modifying a foreign key in a transaction's subfile, the value is not taken into account if the control is a dynamic combo.

- **SAC #13054 – Error with text report in application installed with GXWS**

If we call a report generated in text mode in an application installed with GXWS, an error of the following type occurs: java.lang.UnsatisfiedLinkError.

- **SAC #13073 – Text report directly to printer does a page break**

When printing a text report directly to the printer, it does a page break instead of remaining on the following page.

- **SAC #13118 – Problem with redundant formulas**

When deleting a line in a 2-level transaction with formula attributes defined as redundant (in the first and second level), the first level formula is not updated.

- **SAC #13135 – It is not possible to delete records in transaction with HTML form**

There is a 2-level transaction with HTML form. In runtime, it is not possible to delete records from the subfile. This only happens before deleting the Gxremove variable from the subfile and entering it again.

- **SAC #13164 – Trn with subfiles in tabs called in display mode crashes**

There is a multi-parallel-level transaction and the subfiles distributed in different tabs of a tab dialog. When this transaction is called in DISPLAY mode, instantiating the header key, if there are subfiles without records, the application crashes and does not allow visualizing the tabs.

- **SAC #13187 – Edit field with characters remains aligned to the right**

In an edit box, there is a character type variable defined with picture 'ZZZZ9999..'. In runtime, it remains aligned to the right, although it should be aligned to the left.

- **SAC #13197 – Web TRN does not compile with subfile report.**

There is a web TRN with a subfile that has the "BackColorStyle" property with value "Report".
When attempting to compile the TRN, the following error occurs: error J0049: Undefined name 'FFFFFF'.

- **SAC #13222 – Mail sending to several receivers does not work: &mail.To.Add**

Mail sending to several receivers does not work using the data type and methods to send a mail (via SMTP).

- **SAC #13235 – Error "Cursor name is ambiguous" when updating transaction in AS**

In a win application on AS/400, when entering a 2-level transaction in update mode, the following error occurs: "Cursor name is ambiguous".

- **SAC #13310 – if delete rules do not trigger**

"… if delete" type rules do not trigger in transactions (win and web) called without instantiated mode.

- **SAC #13311 – Round and trunc with second negative argument**

The round and trunc with second negative argument has been implemented. E.g.:
round(1230,-2) = 1200

Compatibility

- GeneXus standard classes (gxclassr.zip) have changed, so it is not compatible with the previous one. This implies that all objects of those models generated with 7.5 version upgrade #3 or any previous one, must be regenerated (build all or those main object(s) required + add called).

- Verify that the 'GeneXus Java Standard Classes' are NOT in the directory 'C:\WINDOWS\Downloaded Program Files'. In case they are in this directory, a 'Remove' must be done to compile successfully with Microsoft.

- As far as multi-tier applications or web applications (servlets) are concerned, standard classes (gxclassr.zip) will have to be updated in the servers where the applications server and/or the servlets server are running.

Corrected Errors

- **SAC #12727 – The numeric are not right aligned in a web subfile**

The numerics whith decimals in subfiles of web objects remain aligned to the left when the preference "Use decimal arithmetic" is set in Yes.SAC #12795 - Problems with msg rules
In some cases, the msg rule was not triggered in transactions.

- **SAC #12800 - Problems in C/S models aganist DB2 Common Servers**

It is failing in db2, in some cases of updates in tables with redundancies.

- **SAC #12806 - Preference Delete y Aggregate group does not work**

The optimization is not being generated

- **SAC #12809 - Numeric fields do not respect alignment in PDF reports**

The Alignment property is not being respected in numeric fields in PDF reports. They always remain aligned to the right.

- **SAC #12810 - The enter does not work for line breaks in longvarchar**

The enter does not work for line breaks in longvarchar fields.

- **SAC #12825 - Problems with null dates in db2 common servers**

When inserting a null date in Db2 Common Servers and a specific Time Zone, e.g.: "(GMT-05:00) Eastern Time (US & Canada)", the field remains saved with value 31/12/0001 instead of 01/01/0001. Nevertheless, with a TZ such as "(GMT-03:00) Buenos Aires, Georgetown", it saves the right value.

- **SAC #12846 - Error org.omg.CORBA.OBJECT_NOT_EXIST in 3-tier VB applications**

In specific circumstances, in 3-tier applications with Visibroker, an error of the following type occurred in execution: org.omg.CORBA.OBJECT_NOT_EXIST: minor code: 0 completed: No

- **SAC #12848 - Problem when filtering dates with Microsoft drivers**

There is a wkp that loads date type records and there is a filter that should load all of them in case there is no value specified; nevertheless, it does not do so.

- **SAC #12892 – The DW delete the images from the data model**

The images added in the Deployment Wizard from the model folder (dataXXX) are deleted.

- **SAC #12907 – Inferred field in 2 level trn can be edited**

There is a web transaction with subfile, and receives key and mode as parameters.
In the second leven there is a foreign key, and the inferred fields of this foreign key can be edited.

- **SAC #12932 - Error when receiveing mail with attachment via POP3**

When receiveing via POP3 a mail with attachments that has been sent via SMTP, in some cases, the following error can happen "java.lang.NullPointerException".

Compatibility

- GeneXus standard classes (gxclassr.zip) have changed, so it is not compatible with the previous one. This implies that all objects of those models generated with 7.5 version upgrade #2 or any previous one, must be regenerated (build all or those main object(s) required + add called).

- Verify that the 'GeneXus Java Standard Classes' are NOT in the directory 'C:\WINDOWS\Downloaded Program Files'. In case they are in this directory, a 'Remove' must be done to compile successfully with Microsoft.

- As far as multi-tier applications or web applications (servlets) are concerned, standard classes (gxclassr.zip) will have to be updated in the servers where the applications server and/or the servlets server are running.

New Features

- **_SAC #12259 - Changes in functions UserId() and WrkSt() in 3 tiers_**

The name of the preference "Use client login as userid('server')" has been changed by "Use client login as UserId/WrkSt"

If we have the preference "Use client login UserId/WrkSt" set in YES in a 3-tier model, the functions UserId() and WrkSt() return the users logged in the client as well as the name of the PC where the client was logged.

- **_SAC #12456 - Property "Click to sort in subfile" at work panel level_**

The property "Click to sort in subfiles" has been implemented at work panel level. It enables (or not) the possibility of sorting the rows of a subfile by a specific column.
This option already existed at model level: preference "Click to sort in subfiles". Now, it has been implemented at work panel level.

The values are the following:
"Use model preference's value": It uses the preference value.
"Enabled": The user can sort the subfile by a specific column clicking on its header.
 "Disabled": The user is not enabled to sort the subfile.

The default value is: "Use model preference's value"

- **_SAC #12529 - Property "OnDisconnect" in 3-tier applications_**

The property OnDisconnect has been implemented in 3-tier applications. It enables the application server to execute a procedure when the client gets disconnected, either normally or once the timeout where the server does not receive a signal from the client has finished (the timeout lasts from 5 to 10 minutes).

It works as follows:

   -> A GeneXus procedure receiving the handle (numeric of 10) as input parameter must be implemented.
   -> A line like the one appearing below must be added to the server.cfg, under the section [server]:

   OnDisconnect= adisconnect (assuming that the GeneXus procedure is called disconnect)

Description:
Let's suppose that we want each user in the application to be able to start the application just once. Thus, we implement that the user login to the application is registered in a table and, in the event it is already registered, it will not be allowed to login again. Then, once the user logs off, the registration is deleted from the table. The problem is that if the application hangs up on account of any reason, the user remains registered as logged in and it is not enabled to login to the application again because it was

not deleted from this table. The "manual" solution was deleting it from this table form outside the application.

With this property, when a user finishes executing the application (or when the connection to the server hangs up), the indicated procedure (adisconnect) is automatically executed in the server, transferring the client handle as parameter.

The disconnect procedure will consist in a routine that will search for a record with this handle in the database and will delete it. This procedure must be defined as remote (specifying main and location) and must be located in the classpath from which the application server runs.

The handle may be known in the client as follows:

    java [!&Handle!] =
Application.getConnectionManager().getUserInformation(remoteHandle).getRemoteGXDBHandle();

where &Handle is a numeric type variable of 10.

- ### *SAC #12559 - New function "putRemoteFile" for 3-tier applications*
The function "putRemoteFile" has been implemented for 3-tier applications. It saves a file in the application server.

Syntax
  PutRemoteFile(&localFile, &remoteFile)

where
- &localFile indicates the path and the name of the file to be transferred to the server. It must be defined as Character type
- &remoteFile indicates the path and the name where the file will be saved in the server. It must be defined as Character type

The value returned is a numeric value that indicates whether the function execution has been successful or not.

Notes:
- The preference Functions must be set with value 'Allow non-standard functions' both in the design and in prototype models.
- The function "getRemoteFile" was already available. It brings a file from the application server to the client (used to generate the reports in the server).

- ### *SAC #12531 - Buttons "Close", "Maximize" and "Minimize" of the MDI container*

Some methods have been implemented to allow disabling the buttons "Close", "Maximize" and "Minimize" of the MDI container:

java com.genexus.uifactory.UIFactory.disableMDIClose();
java com.genexus.uifactory.UIFactory.disableMDIMinimize();
java com.genexus.uifactory.UIFactory.disableMDIMaximize();

These calls can be included in any of the objects (those executing after the MDI container is shown). Once executed, they CANNOT be enabled again; instead, they will remain disabled until the application is finished.

If we are working in SDI they are not taken into account.

Comments:
   -> The minimize button cannot be disabled in JFC
   -> If we disable the minimize and the maximize button in WFC both buttons disappear from the titlebar.

- ### *SAC #12635 - New function for FTP: GxFtpCm*

The function gxftpcmd has been implemented in the FTP functions to be able to execute an FTP command.
Syntax: call('GxFtpCmd','<COMANDO>')

- ***SAC #12644 - Support in WAR Deployment for Tomcat 4.x and Oracle 9iAS***

The Tomcat 4.x has some modifications regarding the format that the web.xml (DeploymentDescriptor) file must have; therefore, the Tomcat 4.x was added in the WAR Deployment options, to take them into account.
Besides, the option "Oracle 9iAS" has also been added to generate WARs for this product.

Corrected Errors

- **SAC #8387 Two level TRN does not compile with color rule**

There is a 2-level TRN with color rule conditioned to Update or Insert, e.g.:

    color("YLW/BLK" ,FacLinTot) IF Insert ;

It causes the following error in compiling time:
Compiling ttrn2col.java
ttrn2col.java(453,53) : error J0203: Cannot access protected member 'Gx_mode' in class 'GXTransaction' from class 'ttrn2col.TRN2Col_flow12'

- **SAC #10395 Dates are wrongly validated in web panels**

If we enter an invalid date (ie: 13/13/01) in a date type field in a web panel, it is not validated when calling a user event.

- **SAC #10914 Error when entering "," as decimal delimiter in webtrn**

Error "The value is not a value number" when entering 'add' in a web trn, if we enter "," as decimal delimiter in a numeric field with decimals, in spite of having the DECIMAL SEPARATOR preference with the comma value ','.

- **SAC #11094 Error when 'scrolling' subfile horizontally**

Error when 'scrolling' subfile horizontally with at least one large sized variable/attribute.

- **SAC #11426 Setfocus() in header's att/var is not working ok**

Setfocus() in header's att/var is not working properly.

- **SAC #11491 Problems with Smart Static Panels**

Neither the SSPs nor the "SSP's On Request" are working.

- **SAC #11704 Error when moving from a subfile column to another column in wkp**

There is a subfile in a work panel with several columns. Many of these columns have the noaccept rule applied. In some cases, when moving from one column to the other through the "tab" or the keyboard arrows, an error of the following type occurs: java.lang.ArrayIndexOutOfBoundsException

- **SAC #12190 The ServerConfig does not work with the Sun's Vm**

When executing the ServerConfig with the Sun's VM, an error of the following type occurs: java.lang.NullPointerException

- **SAC #12250 The click event of a combo variable is executed twice**

The click event of a combo variable is executed twice.

- **SAC #12255 Error when transferring an array as OUT parameter in 3 tiers**

An error of the type: java.lang.ArrayIndexOutOfBoundsException occurs when, in a 3-tier application, we call a remote procedure that receives an array as parameter and it is defined as "OUT" parameter.

- **SAC #12258 Arrays returned by call are not refreshed on the screen**

The elements of an array are not refreshed on the screen after making a call to a procedure that returns it as parameter.

- **SAC #12265 Pop3session does not leave the Attachs in the right directory.**

The Pop3session data type is used to read the mails, and the AttachDir property is set with a specific directory. When executing, it does not leave the attachs in this directory; instead, it leaves them in the application directory.

- **SAC #12268 It does not compile when transferring 2-dimension arrays in 3 tiers**

It does not compile when transferring 2-dimension arrays in 3 tiers.

- **SAC #12269 Problems with path regarding images in PDF web reports**

In PDF reports in web environments, when there were images obtained from the hard disk, if the image was set relative to some directory, it was taken/searching it as relative to the execution directory of the servlets engine.

- **SAC #12276 Problems with picture on numeric attribute**

There is an attribute defined as N(15.2)-, with the following picture ZZZ,ZZZ,ZZZ,ZZ9.99.
If a value is assigned to the attribute, it is shown with the desired picture, but when the attribute takes the focus, the picture is not respected.

- **SAC #12287 Error "<NomTabla> was changed" when doing update in webtrn**

There is a web transaction with a datetime type attribute. If there is a value different from 12, or the value is changed to a value different from 12, when confirming the update in the time part of the datetime, the following error occurs: "<NomTabla> was changed".

- **SAC #12289 In some cases the application crashes with login**

If there is the property "Show connection dialog in win forms" set with the value "Always" , in some cases the application may crash after the login.

- **SAC #12291 Problems in work panels to be executed maximized**

When we have the following property in a web panel: form.windowstate = 2, some problems occur in the start event when executing with the Microsoft's VM and as MDI.

- **SAC #12295 Problems with getresponse() of webpanel with webcomponent**

There is a web panel with a web component. When trying to do the web panel's getresponse(), an error of the following type occurs: java.lang.NullPointerException.

- **SAC #12297 Problems when reading xml with xmlreader**

There is an xml with the following element:
<?soxtype urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0?>
When trying to read it, the following error occurs:
cant't find resource for org.apache.xerces.impl.msg.XMLMessages_es_UY

- **SAC #12298 Problems with SOAP procedure in Tomcat 4.0**

A SOAP procedure is generated and it is located in a Tomcat 4.0. When trying to call it, the following Content-Type appears twice in the response: text/xml; therefore, the service cannot be called from .NET, for instances.

- **SAC #12302 Error when having msg and return in 'after TRN' event**

There is a TRN with the following rule:
Msg('Hola') IF after(confirm);

And we have the following in the 'after TRN' event:
Event After Trn
    Return
EndEvent

When confirming the TRN, an error of the following type occurs: java.lang.NullPointerException

- **SAC #12305 Rules assigning stored attributes are not triggered**

By way of example, in transactions (win and web) with rules that assign stored attributes, the following is not being triggered:
        a=b;
        b=5 if insert;

- **SAC #12326 Problem in triggering order with IsValid and user events**

There is a variable initialized in the start event, for instances &fecha=today(), and there is the &fecha.IsValid event and any other user event. When calling the user event, it is triggered before the variable IsValid event, although the IsValid event should be triggered first.

- **SAC #12343 The DW does not load objects with location in 2-tier applications**

If in a 2-tier application we call a procedure defined as main and with a location, the procedure classes are not loaded in the DW.

- **SAC #12345 Lock Timeout does not apply when SQL Server Version is 2000**

The preference Lock TimeOut is not being taken into account when the preference SQL Server Version has value 2000 or higher.

- **SAC #12398 Problems with dates with 4 digits in web panels**

Dates with 4 digits are wrongly shown in web panels; it takes into account the preference of the century change when it shouldn't. E.g.: if we enter 01/01/1911, when executing any event the value changes to 01/01/2011.

- **SAC #12403 The msg is not triggered in start event of a trn**

The msg is not triggered in start event of a transaction.

- **SAC #12406 Optimized delete and 'when none'**

If there is an optimized delete group with the statement 'when none', both things are being executed although only the delete should be executed.

- **SAC #12407 Error when using removeitem in a combo**

If there is a combobox in a workpanel and we do the &list.Removeitem(&list), an error of the following type occurs when executing it: java.lang.ClassCastException.

- **SAC #12416 Problems with PDF reports with IE and HTTPS**

PDF reports were not well loaded in Internet Explorer when they were called in safe web applications using HTTPS as protocol.

- **SAC #12426 Problems in subfiles with attributes larger than the subfile**

If there is a subfile defined with the property "Horizontal Scroll" selected and there is some attribute longer than the subfile in the subfile's columns, an error of the following type occurs when executing and scrolling up to the end: "java.lang.ArrayIndexOutOfBoundsException"

- **SAC #12433 error J0067: Cannot convert 'String' to 'BigDecimal'**

There is a web panel with a numeric with decimals in its parameters and the value "Yes" in the preference "Use decimal arithmetic". The following error occurs when compiling:
error J0067: Cannot convert 'String' to 'BigDecimal'

- **SAC #12447 "Initialize not referenced attributes" does not work**

There is a transaction over a table where all the table attributes are not named in the structure. When inserting fields, the attributes that are not referred to are instantiated with NULL, although the preference "Initialize not referenced attributes" is in YES (by default).

- **SAC #12455 Problems with return and refresh timeout in work panels**

If from a work panel we call another one that has the RETURN command in the refresh event and besides it has a refresh timeout (LAPSE property set), the application hangs up when executing the return.

- **SAC #12462 Call to a work panel with return in the refresh**

When calling a work panel that has only one return in the refresh event, an error of the following type occurs:
java.lang.NullPointerException.

- **SAC #12496 Error when generating the WAR in very large applications**

In some cases, errors have occurred when generating the WAR deployment in very large applications (more than 3000 objects).

- **SAC #12501 Problems with some characters in name of wbp's events**

There is a web applications running on a Unix server (linux, apache, jakarta). When there is a "Text Block" in a Web Panel and in its property "OnClickEvent" it is pointing at a "user event" whose "name" has CAPITAL LETTERS, when "clicking" on the "TextBlock" the event is not triggered.

- **SAC #12508 Error when installing application from GXWS depl drivers of Oracle 9i**

When installing an application from a deployment built with the GXWS that has the Oracle Thin drivers, version 9i, added as dependence, the following error occurs:
  Cannot open Shared\classes111"Oracle JDBC Driver version - 9.0.2.0.0".zip   for writing

- **SAC #12538 Problem with locks and read of the database**

In applications with a high degree of concurrence, when a user remained locked and remained waiting for the lock, once the resource was released it did not do the 'read' of the database.

- **SAC #12568 It does not always select a numeric with the mouse**

There is a numeric type attribute or variable in an EDIT control. It is not enabling to select it with the mouse to modify it.

- **SAC #12560 Problems with ENTER event in transactions**

The following errors occur with the <Enter> key in a transaction:
1) If one of the attributes is fully completed (edit field), the <Enter> key has no effect; instead, the click with the mouse on the "Confirm" does have effect.
2) In the logic executed when pressing <Enter> the field on which we are located are not validated (the isValid() have not been executed after the onFocusLost()). E.g.: if an invalid date is entered and we press enter it was not validated and the transaction where the date remains empty can be completed.

- **SAC #12569 It does not show icon set with the Form Icon property**

If an icon is set (only the name, without path) in the object's "Form Icon" property, it is not seen in execution.

- **SAC #12572 Problems with rbuilder.dll with printers with long name**

When sending a report to the printer using the printer rule, if the name of the printer driver has more than 30 characters, it does not recognize it.

- **SAC #12620 It does not validate date in Two-level TRN**

There is a 2-level TRN with a date type field in the second level.
If we enter an invalid date in the attribute of the second level, the focus remains in the attribute but the message "Invalid date" does not appear.

- **SAC #12629 It does not respect precedence in operations with decimal arithmetic**

When the preference "Use decimal arithmetic" is in Yes, it is not respecting the precedence of the operators. E.g.: if there is: &res = &a + &b * 100, it does (&a + &b)*100 instead of &a + (&b * 100).

- **SAC #12641 ARILoader: 'Called_Program_i […] seems to be invalid**

The following error occurs in the console when trying to built a pack with the Deployment Wizard:
ARILoader: 'Called_Program_i [com/sis/beebout/hmn1004.class]' seems to be invalid: callee with Id (14, 754) not found

- **SAC #12659 Problem with the Deployment Wizard and menu bars**

The deployment is wrongly built when there are menu bars in the application.

- **SAC #12676 Error when calling a a wkp in the refresh with refresh timeout**

If there is a work panel with refresh timeout, and we call a work panel in the refresh event, an error of the following type occurs: com.ms.wfc.core.WFCException.

UPGRADE #2

Compatibility

- GeneXus standard classes (gxclassr.zip) have changed, so it is not compatible with the previous one. This implies that all objects of those models generated with 7.5 version upgrade #1 or any previous one, must be regenerated (build all or those main object(s) required + add called).

- Verify that the 'GeneXus Java Standard Classes' are NOT in the directory 'C:\WINDOWS\Downloaded Program Files'. In case they are in this directory, a 'Remove' must be done to compile successfully with Microsoft.

- As far as multi-tier applications or web applications (servlets) are concerned, standard classes (gxclassr.zip) will have to be updated in the servers where the applications server and/or the servlets server are running.

New Features

- **SAC #12112 - New option in GXWS deployment: "Split main jar in classes"**

The **"Split Main jar in classes"** option has been added to the GeneXus Web Start Deployment Wizard (tab Advanced). It enables that, instead of copying the application's .JAR to the target directory, the separate classes will be copied.
In the model directory, a log indicates the files that have been updated. The developer must copy the following to the server from where the client verifies and installs new versions:
→ The files indicated in the log saved in the model directory. Only for the first time that this option is selected, we do not have to look in the log; instead, we must copy all the classes. Besides, in the server where the deployment is usually left, we must delete the <nomapp>_gxws.jar corresponding to the previously assembled version.
→ The JNLP file.
→ The FILES.INI file.
→ The dependencies that have been modified
→ Besides, if the deployment is generated with a new GXWS version, the following must be copied:
  → the GXWS.*
  → the GXWS-Launcher.*
  → the *.html

In the client, the classes are rebuilt again to make up the original JAR.

Corrected Errors

- **SAC #11353: QueryString method of HTTPRequest object**

The QueryString method of the HTTPRequest object is not returning what is expected.

- **SAC #11949: Error with GXWS and case-sensitive servers**

An error occurred when installing, updating a version of the GXWS's application against a case-sensitive server.

- **SAC #12053: Problem when entering LongVarChar in AS/400 if it exceeds the limit**

In attributes or variables defined as X size LongVarchar, it allows entering more than X characters when working on AS/400.

- **SAC #12058: The execution is not working as applet**

The execution is not working as applet. The problem is that the .htm has been wrongly generated; the version of the generator's standard classes is wrongly referred to.

- **SAC #12060: The transaction mode changes**

There is 2-level TRN that receives key and mode. The TRN has a rule of the following style:
  error("ERROR") if <Att_del_primer_nivel>=0 .and. after(level(Att_del_Segundo_nivel));

The problem is that the TRN changes to "INS" mode when it is really entered in "UPD" mode, and the error rule is triggered when confirming since the <Att_del_primer_nivel> is with value 0.

- **SAC #12062: ActivePage of Tabcontrol does not return the correct value**

In a Tabcontrol, when we change from one tab to another, the ActivePage property always returns value 1, unless the property is manually set (e.g.: Tab.ActivePage=2); in this case, it always returns this value instead of returning the value of the tab where we are in this moment.

- **SAC #12063: "Error when creating the ImageList controller"**

Randomly, usually after having worked some time in the application, the following error occurs: "Error when creating the ImageList controller"

- **SAC #12066: Reports get blocked when they are called in a nested manner**

There are two text reports defined with output file, and one calls the other. When executing the caller, the application crashes.

- **SAC #12095: Compilation problem when using exponent**

There are compilation problems when using exponents, when we have the "Use decimal arithmetic" preference with value "No"

- **SAC #12097: Error when compiling dfrgnum(&decimal) with decimal arithmetic**

Compilation errors occur when using the dfrgnum function when a numeric type variable with decimals is transferred to it and besides, the "Use decimal arithmetic" preference is with value "Yes"

- **SAC #12098: Error when compiling today() + &decimal with decimal arithmetic**

Compilation errors occur when we have today()+&i, where &i is defined as numeric with decimals and besides the "Use decimal arithmetic" preference is with value "Yes".

- **SAC #12101: Chars and Varchars allow entering more characters with C&P**

When editing Char and varchar type attributes or variables, although it does not allow keying more characters than the defined size, it allows editing more characters than the size defined for these types by copy-paste.

- **SAC #12105: Variables with pictures are 'zeroed'**

There is a variable defined with a specific picture, for instances a numeric value with a thousand delimiter in a work panel. When clicking on it, its value is zeroed.

- **SAC #12113: Problems with validation of dates in Italian**

If in a prototype model we have the "Date format" preference with the value "Italian", in some cases the dates are wrongly validated.

- **SAC #12120: It does not disable the menubar option**

There is a work panel with a menubar. In the start event of the work panel, we want to disable an option of the menubar with the following command:
MenuBar.ID_OPCION.Enabled=0. In runtime, the option appears enabled.

- **SAC #12135: Trn header attributes are not loaded in wkp**

The attributes of a 2-level transaction's header are not loaded in a work panel.

- **SAC #12145: Problems with attribute with decimals sign**

In a transaction, there is an attribute with decimals and sign. When trying to enter a negative value, it does not allow it and it remains without the sign.

- **SAC #12146: It does not execute msg in isvalid event of an attribute in TRN**

The isvalid event of an attribute has been programmed in a TRN. If there is a msg in the event, it is not triggered (everything else within the event is executed).

- **SAC #12147: Problems with 'date' variable and 'aaaa/mm/dd' format**

There is a date type variable with 4 digits for the year. Besides, the Date Format preference has the ANSI (Y/M/D) value.
In runtime, it does not allow entering 4 digits in the year (it only allows 2).

- **SAC #12151: High CPU consumption by the Report Viewer**

When executing the Report Viewer from a java application (rbuildj.dll) the CPU consumption reaches and stays at 100%.

- **SAC #12158: Problems with modal dialog and return with MS's VM**

Under specific circumstances, when calling a modal work panel, we are enabled to click on other screen and the "small clock" remains in the mouse indicator.

- **SAC #12160: Default rule is not triggered in subfile "empty" line**

In a 2-level transaction, the default rule on the subfile attribute is not triggered when the '0' line of the subfile is loaded, and this line is automatically loaded when entering the trn.

- **SAC #12171: Error when editing dates**

If there is a '<date> 99' type picture, e.g.: 99/99/99 99, the value entered for the time is not saved.

- **SAC #12184: GXWS dep. generates htmls and shortcuts for each called main**

If there is an A main object that calls a B which is also main, although only A is selected in the Deployment Wizard, when generating the GXWS deployment, a link and a shortcut are generated in the <appname>.html for each one of the mains, although they should only be generate for those mains selected in the deployment wizard's first screen.

- **SAC #12197: Refresh in a wkp event without base table does not execute**

If we call a Refresh command in an event of a work panel without base table, the refresh is not triggered.

- **SAC #12204: space() function in pdfs reports**

In pdfs reports, if we concatenate the space function at the left side of a variable, this is not respected since the blank spaces are eliminated.

UPGRADE #1

Compatibility

- GeneXus standard classes (gxclassr.zip) have changed, so it is not compatible with the previous one. This implies that all objects of those models generated with 7.5 version or any previous one, must be regenerated (build all or those main object(s) required + add called).

- Verify that the 'GeneXus Java Standard Classes' are NOT in the directory 'C:\WINDOWS\Downloaded Program Files'. In case they are in this directory, a 'Remove' must be done to compile successfully with Microsoft.

- As far as multi-tier applications or web applications (servlets) are concerned, standard classes (gxclassr.zip) will have to be updated in the servers where the applications server and/or the servlets server are running.

New features

- ### SAC #3038 – Preference "Generate null for nullvalues" support has been implemented

As from 7.5 version, Upgrade 1, the java generator supports generating the dbms null as a result of the nullvalue function; that is the value 'Yes' of this preference of the Client/server group. Until this upgrade, it had only and always used the GeneXus null as a result of this function.

- ### SAC #9736 – New preference: 'Use decimal arithmetic'

A new preference called USE DECIMAL ARITHMETIC has been implemented. It allows avoiding problems due to java language specifications regarding decimals. The values are YES and NO.

E.g.: in java, 72.35 * 100 returns 7234.9999999. Thus, if we have a N(10) - integer type variable in GeneXus, and we assign the same count to it, the result will not be the expected one.
E.g.:
&entero = 72,35 * 100, returns 7234

Specifying the new preference in Yes solves this problem; this allows obtaining the expected result. On account of compatibility with previous versions, this preference is kept with NO as default value.

- ### SAC #11078 - The Refmsg() function accepts a variable as first parameter

The Refmsg() function accepts a variable as first parameter. This is useful to send the message in different languages.

- ### SAC #11330 - HTML code reduction

Several changes have been made to reduce the generated HTML code, particularly when using Web Components.

The styles that were previously located in the <head> section of each page are no longer included there. Now, all model styles are stored in a STYLES.CSS file. All pages make a reference to this file. Besides, the generation of this file is highly optimized to avoid the existence of two equal styles. This implies that this file must be distributed when an application is distributed. In the existing models, a 'build all' is required to achieve a correct STYLES.CSS generation.

Besides, Web Components parameters are no longer included in the HTML code when the Web Component is 'read only' (it has no event).

- ### SAC #11333 - SOAP Client of web services can be anyone

In GeneXus 7.5 version, the SOAP client used to call GeneXus services or procedures through SOAP had to be the MSSOAPToolkit or a GeneXus program. In upgrade 1, services have been implemented more generically so that it can work from any client as long as it implements SOAP correctly.

- ***SAC #11488 - Support for. TIFF files***

The support for TIFF files has been implemented. These files are images of a very small size as regards .bmp, .gif or .jpg.
To be able to visualize them, you must have the 'JIMI' libraries in the classpath. They are obtained for free at: http://java.sun.com/products/jimi/

The file to be added to the classpath is JimiProClasses.zip.
It works both with the MS VM and with the Sun VM.

In GeneXus, they are handled in the same way than the other images: or with the LoadBitmap function, or directly adding a Bitmap type control in the form. In GeneXus, they won't be seen in design but they will be seen in runtime.

- ***SAC #11527 - Handling n deployments by model***

The possibility of building more than one deployment for the same model has been implemented. This enables the possibility of having one deployment by module instead of one by model. E.g.: for a specific main (or mains), we build a deployment with the classes required to execute only this module.

With this purpose, a .ini will be handled for each deployment. They can be opened and saved from the menu of the deployment wizard - File, where the following options were added:

- Open configuration File
- Save configuration file
- Save as…

- ***SAC #11590 - 'For each line' in load event***

It is possible to have the following logic in a web panel:
event A.load
for each line in A
        A.load()
endfor
endevent

This allows carrying out "customized" subfiles processing. E.g.: if we want to keep the variables that have been entered in a subfile by the user (such as a check box or a combo box), the following code can be used when making a post to the server:

Event Load
        if &hrequest.Method = 'POST' //hrequest es de tipo httprequest
        for each line
                Load
        end for
     else if &hrequest.Method = 'GET'
          for each
          &att = att //carga normal
          Load
                 end for
        endif
        endif
EndEvent

- ***SAC #11664 - Changes in authentication for 3-tier java win applications***

The 'LDAP Information' subgroup, under the preferences group 'Distributed Information' is now called 'Authentication Information'.

The preference 'Use client login as userid('server') has been added to this group. The purpose of this preference is to avoid handling several authentication mechanisms and start using the client user instead of the userid('server') as the user over which the validations are carried out

Values:
Yes: in this case, when calling the userid('server') function, the user logged in the client is always returned.
No: it uses what was returned by the userid('server') function; i.e.: it returns the user with which the applications server connects to the database or the LDAP user, when the 'Use LDAP user for userid('server') ' preference is in Yes.

Default value = No

Note:
It only works in applications with Win (GUI) interface; it does not apply to WEB applications.

- ***SAC #11889 - Changes regarding where does the PDFReport.INI remain***

Changes have been made regarding PDF reports from the web. On account of these changes, the servlet will look for the PDFReport.INI in the WEB-INF directory of the application. Before this change, it looked for it in the servlets motor execution directory.

With this change, we can have a PDFReport.INI per each GeneXus application in the same servlets motor. Besides, the WARDeployment makes it possible to add a PDFReport.INI in the "Additional files" section, under the WEB-INF directory.

COMPATIBILITY NOTE: The PDFRerport.ini must be moved to the WEB-INF directory so that the servlet can find it.

- ***SAC #11890 - Improvements in the GeneXus applications server log***

The following has been added to the log generated by the applications server:
- time, in each log line,
- that in the event of saving the log in the file instead of in the console, errors appearing in the console also remain recorded in the log. Before this change, they were only displayed in the console.

- ***SAC #11891 - Improvements of main descriptions in DW and shortcuts***

The following improvements have been made in Deployment Wizard:

- If we update the description of a main object in GeneXus, the updated descriptions can be seen in the Deployment Wizard. Before this improvement, these descriptions were not seen; instead, the previous ones were kept.

- When executing the application, the shortcut (under start - programs - <nomapli>) is created with the new description and the old one is deleted. Before this change, both shortcuts were kept.

- ***SAC #11892 - New property: 'AllowExecLocalVersion' in GXWS***

The 'AllowExecLocalVersion' property has been added. Values 'true' and 'false' can be assigned to this property. It allows the application user to chose whether to execute the local version he has installed or not, depending whether he has connection to the server against which he is checking the deployment version or not

In the tab advanced of GeneXus Web Start Deployment Wizard, the following can be added in 'GXWS Properties':
/G:AllowExecLocalVersion=false.

- ***SAC #11903 - New property: 'Use Custom Server Application directory'***

The property called 'Use custom server application directory' has been added in the GXWS deployment wizard, in the Advanced tab.
Its purpose is to allow setting the directory under the server where the application will remain.
Besides, if this property is set, the generated. HTMLs will be 'ValueDeLaProperty.html' and 'ValueDeLaProperty_Main.html'generados instead of 'NombreAplication.html' and 'NombreAplicacion_Main.html'.

Example of use:
Let us suppose that the application is called 'MiAplicacion', and we have indicated in the Deployment Wizard TargetDirectory that it will be transferred to the c:\webServer directory.

Then, the Deployment will automatically put the application JAR in
c:\webServer\MiAplicacion\MiAplication_GXWS.JAR
And it will create HTMLs in c:\webServer. E.g.: c:\webServer\MiAplication.HTML

Now, let us suppose that 'MiAplicacion' is NOT a valid name (ie the IIS does not accept Chinese characters). Thus, the solution is to use this new property, setting it with a valid name. To continue with the previous example, let us say that we call it 'Server App Dir' = LaCambie

Then, the .JAR will remain in 'C:\webServer\LaCambie\LaCambie_GXWS.JAR'
and the .HTML will be called c:\webServer\LaCambie.HTML

- ***SAC #11982 - New property: 'SetVersionInSystemProperty' in GXWS***

If we add the following property in the GXWSDeployment GXWS Properties:
   /c:SetVersionInSystemProperty=true

when GXWS is going to execute the application, it passes the present application version to it in the SystemProperty 'ApplicationVersion'.

- ***SAC #11983 - New property: 'Install in All Users' in GXWS deployment***

A new option called 'Install in All Users' has been added to the Advanced tab of the Genexus Web Start Deployment. When this option is selected, the application will be installed for all users.

Until this option was added, the application was installed in the profile of the user who launched the html. Now, if this new option is selected, the application will be installed in AllUsers and thus, all users of the PC where it is installed will see it.

Note:
If the application was already installed WITHOUT this option selected and it is selected now, an Uninstall will be required. Then, the application will have to be started again from the HTML. Otherwise, the shortcuts can continue pointing to the version located in the user profile.

Corrected errors

- **SAC #6725 - Read-only fields allow doing "Paste"**

If we have the preference 'Color in Read-Only Fields'=Original, and we have read-only fields, it is anyway possible to change the contents of these fields using the menubar or toolbar Copy & Paste.

- **SAC #8708 - 'Cursor name is ambiguous' executing 2-level trn against the AS**

When executing a 2-level transaction against AS/400 for the second time, without leaving the application, the following error occurred: "Cursor name is ambiguous"

- **SAC #9753 - Error when executing wkp main w/param without passing them on**

We have a wkp with the following characteristics: it is main, it receives parameter, ie: PARM(&pp), and this var is instanced in some function in the start event, ie: if NULL(&pp). When executing this wkp, the following error occurs: java.lang.NullPointerException at com/genexus/GXutil.rtrim

- **SAC #10986 - Problem with check box in subfile**

We have a subfile with a checkbox type variable and there is an event where all the checks are unselected; e.g.:
For each line
   check = 'N'
endfor

The problem is that all checks are correctly unselected, but for the one that has the focus (if one of them has it).

- **SAC #11087 - Errors with the Sun VM that works with the MS VM**

The following do not work with the Sun VM but do work with the MS VM:
1) Establishing a win button as Enable=0.
It remains disabled but when clicking on the button it executes the associated event.
2) Calling a Wkp in Modal manner in a for each line.
When closing the wkp, the following error occurs after the second call to it:
Exception occurred during event dispatching:
java.lang.NullPointerException
at com.genexus.uifactory.jfc.JFCFrame.<init>(JFCFrame.java)

- **SAC #11257 - Call webservices generated with GX from .NET**

The call to webservices generated with GeneXus is not working using the features coming with .NET to this aim.

- **SAC #11358 - The font is not respected**

There is a web panel with a freestyle subfile where a web component is loaded. This web component has a subfile that shows its content in a specific font. When the web panel is executed, its content is not seen in this font. If the web component is in a table, the font is respected.

- **SAC #11359 - Locking problem in 3-tier applications**

Sometimes, an application executed in 3 tiers hangs up. The problem is that it locks with a connection and tries to update with another.

- **SAC #11384 - 3-tier HTTP with Jrun or Websphere v.4 does not work**

In a 3-tier HTTP application, using JRun or Websphere as Servlet Server, the following error occurs when executing the application: java.lang.NoClassDefFoundError: javax/servlet/ServletContextListener

- **SAC #11420 - Interface problems with MDI and forms with size > screen**

Some problems arise in the interface when working with MDI and forms (both transactions and work panels) with a size larger than the screen in some of its sides.

- **SAC #11425 - Error when executing a modal and MDI work panel with a Sun VM**

When executing with the Sun VM a main work panel with the property MODAL DIALOG = YES, and the preference GENEREATE MDI APPLICATION = YES (default), the following error occurs: Exception in thread "main" java.lang.IllegalMonitorStateException

- **SAC #11437 - 'Class not found' error when executing application with GXWS**

When calling an application built with GXWS deployment from the Internet Explorer, the following error occurs: class com.genexus.deployment.client.launcher.MainLauncher not found.

- **SAC #11459 - Problem with triggering order with Web Components in subfiles**

The events of the Web Components located in a subfile were not triggered in the correct order (immediately after the start of the parent and the own start); instead, they were triggered just before being displayed on the screen.

- **SAC #11461 - Error when modifying the integer part of a numeric field with decimals.**

There is a numeric field defined with decimals, for instances N(16.2). When trying to modify only the integer part of the field (e.g.: I have the value 99.98 and I only try to modify the integer part to obtain the value 100.98), an error of the following type occurs: java.lang.StringIndexOutOfBoundsException: String index out of range: 12

- **SAC #11506 - It allows editing lines of a 2-level trn called in DSP mode**

It allows editing lines of a 2-level transaction called in Display mode (DSP).

- **SAC #11520 - Problems with Sun VM 1.4 version**

When executing WIN interface applications with Sun VM 1.4 version, some interface problems occur.

- **SAC #11550 - Event associated to disabled menu bar option is executed just the same**

There is a menu bar associated to a work panel. There is a disabled option in it (enable property unselected) and there is an event associated to this option. Although the option is shown as disabled (gray) both in design and in execution, when clicking on it the event is still executed.

- **SAC #11552 - The DW does not load remote classes for some 3-tier applications**

In some cases, when calling the Deployment Wizard (step 2 and 3) from a 3-tier model, the remote classes corresponding to the model location do not appear.

- **SAC #11574 - Function keys (F2, etc) do not appear in menu bar items**

In the properties of a menu bar item, in the 'shortcut keys' tab, there is a function key, for instances, key=F2, assigned to the item. The problem is that, when executing, "F2" does not appear beside the item caption nor does it execute the associated event when pressed.

- **SAC #11595 - Problem with name with "," in the mail address**

To send a mail, the 'To' name and address are set as follows:

&DirFrom.Address = cmorales@nacional.com.uy
&DirFrom.Name = "Morales, Chengue"

The problem is that when the mail gets to the receiver, it says that the name is Morales and the mail address is Morales.

- **SAC #11597 - ServerNow function web in transactions**

If any of the now(), servernow() or time() functions is used in a web transaction, such as in the following way:

&fec = servernow() if after(confirm);
The following message appears when trying to modify a record: "<table> was changed".

- **SAC #11601 - Problems with web TRN with check field in the second level**

There is a 2-level transaction with web interface. In the second level, there is a field defined as check box. If we enter to the transaction in update mode and only the check file value is modified, the modification is not made in the base.

- **SAC #11613 - Error in prompt if the key is not in the form**

There is a transaction with web interface that receives the Att1 attribute (part of the key) and the mode as parameter. A prompt is called that receives Att1 and the foreign key as parameter. If the field is not in the form, the call to the prompt fails.

- **SAC #11644 - Date type does not validate if executed in Italian**

There is a model whose language is set in Italian. When executing and validating any date, it fails and gives the message: "Data non valida".

- **SAC #11659 - Deployment Wizard adds more mains than it should**

The Deployment Wizard adds the mains that are called by the mains selected by the user to the selected mains.

- **SAC #11667 - Error when executing 2-level trn and with a combo in the subfile**

There is a 2-level transaction with 2 subfiles. There is a combo box in one of the subfiles. When executing this transaction an error of the following type occurs:
java.lang.ArrayIndexOutOfBoundsException at com/genexus/ui/GXSubfileBase.getColumn

- **SAC #11680 - Locks when the "<table> was changed" message appears**

In pseudo-conversational dialog, when 2 users enter to the same transaction, this message appears when one of them confirms. The problem is that, this very moment, a lock is generated in the database and it is not released until the user gives the ok to the message.

- **SAC #11696 - Directly confirms whether checkbox or combo are changed in the trn**

There is a transaction with an attribute as checkbox or combobox. When pressing "modify" or "add", it correctly changes to "confirm", but if the check is changed again, the button caption does not "modify" or "add" again as it should; instead, it keeps "confirm" and, when pressing, the data are indeed confirmed.

- **SAC #11703 - Problems with 800x600 definition**

There is a screen with a size smaller than 640x480 defined. When executing a MDI application with 800X600 definition, the screen is not fully visualized in the container and you have to scroll in order to visualize it.

- **SAC #11725 - Work Panel load event is executed twice if it does not have subfile**

There is a work panel without subfile; the load event is executed twice.

- **SAC #11748 - "Drawn" screen when executing in Windows 95**

When executing the MDI application in Windows 95, the MDI container - where all the application screens are opened - appears drawn to the right and to the bottom.

- **SAC #11768 - "Cursor not open" error in Informix when accessing via JDBC**

In some cases, when doing 'commit' within 'for each', the "Cursor not open" error occurs when accessing Informix.
The problem is that informix closes all the cursors by default in the COMMITs (the other servers do not close them and Oracle, specifically, only closes the cursors opened FOR UPDATE OF, i.e.: the ones updating the table).

- **SAC #11776 - Changes made in the trn are lost when confirming**

If the cursor is placed with the mouse on one of the transaction attributes, its value is changed and then, ENTER is pressed, the changes made to the attributes are not taken into account.

- **SAC #11780 - Problems with redundancies in SqlServer**

Under specific circumstances, redundant attribute values were wrongly updated. This happened in SqlServer. The problem was the way in which JOIN was generated.

- **SAC #11795 - Problems with 3-tier HTTP WIN applications and with SSL**

The connection between client and servlets server failed with secure HTTP 3-tier applications (i.e.: with preferences: PROTOCOL= Using Stateful/Stateless HTTP and PROTOCOL SPECIFICATION = Secure (HTTPS).

- **SAC #11803 - Problems to add additional files to deployment WAR**

When trying to add additional files to the directory where the WAR classes resided (web-inf/classes), an error occurred.

- **SAC #11814 - Duplicated buttons appear in maximized wkp without menu bar**

When executing a maximized work panel without menu bar, the buttons and icons appear duplicated in the window header bar.

- **SAC #11821 - Error when exiting the wkp with refresh timeout and combo in subfile**

An error occurs when, without exiting the application, we exit a work panel that has refresh timeout and a subfile with a combo (or a check box).
When exiting this work panel and once the lapse is completed, errors of the following type occur:
java.lang.NullPointerException at com/genexus/uifactory/wfc/WFCChoice.parentUpdate (WFCChoice.java).

- **SAC #11841 - In the CONFIRM function message there is always YES by default**

The CONFIRM('Esta seguro ?', x) function is not taking into account the value of x. Be it N or Y, the YES button always appears in the message, selected by default.

- **SAC #11872 - Problems in PDF reports with Landscape property**

If a GX report was established as 'landscape', the printing margins were wrongly worked out.

- **SAC #11893 - Runtime error when editing numbers with decimals**

When numbers with decimals are entered, e.g.: 11.22, and immediately and without leaving the control, the decimals are deleted and another number is entered, an error of the following type occurs: "java.lang.StringIndexOutOfBoundsException: String index out of range: 6"

- **SAC #11897 Transfer the styles.css file although it was not there**

In some cases, with very simple web objects (without any letter/format/color setting or the like), there was an attempt to transfer the styles.css file although it had not been generated (because it was not required) and an error occurred in compilation time.

- **SAC #11913 - Format loss in dynamic web components**

While using dynamic web components, when executing the parent, the format given in the web component to the variables or attributes, by taking the parent's one, was lost.

- **SAC #11921 - Enter event in WML (WAP)**

The enter event is programmed in a Webpanel with the property: Tag Language = WMl. The event is not triggered in runtime.

- **SAC #11984 - Problem to send a mail with web wrapper in web component**

We want to send a mail with webwrapper in a web panel event. If the web panel is a web component, the web component events are executed twice when executing the parent web panel.

- **SAC #11988 - Error when transferring parameter in web component**

There is a web panel with two web components. One of them receives a parameter and the other executes an event. When executing this event, the first web component creates the parameter. This only happens when the parameter is received in the web component properties, but it does not happen when doing a create.

- **SAC #11990 - Error with event in the third web component**

There is a web panel with a web component that includes another web component, both programmed in the refresh event. In the latter, an event is programmed, such as a subfile paging, but it does not work.

- **SAC #12017 - A start event is triggered if web component is not visible**

From a web panel, we condition the visible property of its associated web component. In runtime, if webcomponent.visible = 0, its start event is triggered just the same.