opentext™

OpenText™ Gupta Team Developer 7.5

Release Notes

Product Released: 2023-04-12

Table of contents

1 Introduction

These Release Notes provide an overview of Gupta Team Developer 7.5, including new features, delivery information, and supported platforms.

OpenText recommends that you read these Release Notes in conjunction with the documentation included with the software package. If any conflicts exist, the Release Notes supersede the other documentation.

We also recommend that you check OpenText My Support for any patches or documentation updates that may have been posted after the initial release of this product.

1.1 Release Notes revision history

Revision date	Sections revised	Description of revisions
2023-03-02	First version	New content

2 About Gupta Team Developer 7.5

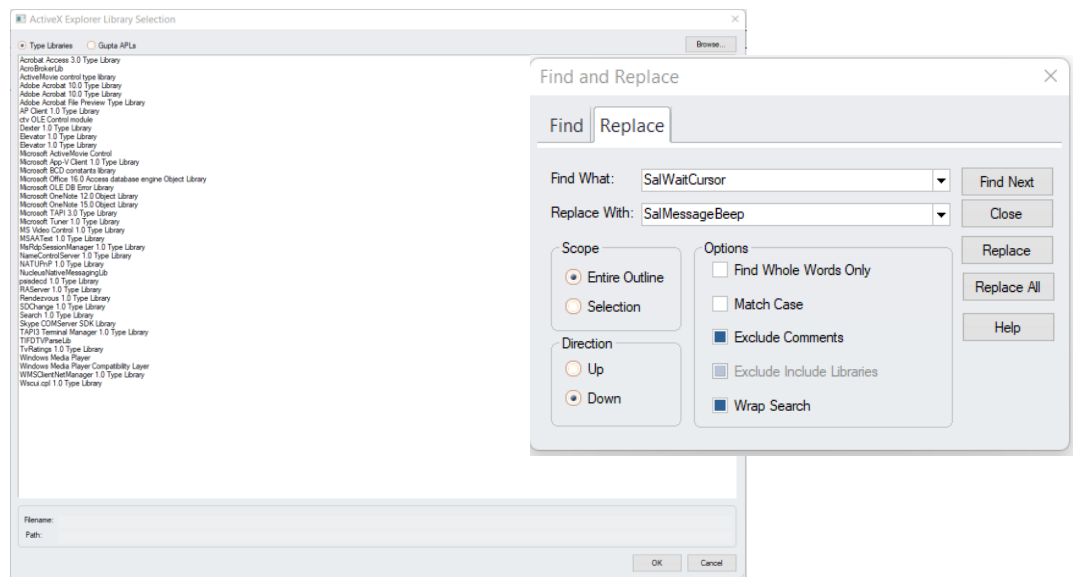This section provides an overview of Gupta Team Developer 7.5.

Gupta Team Developer 7.5 is a new feature and quality release for the Team Developer product line.
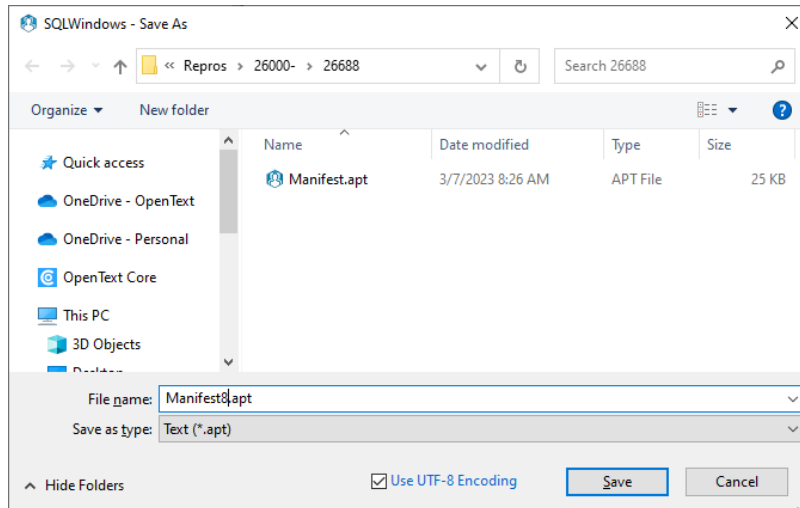
2.1 New features

Gupta Team Developer 7.5 includes the following new features.

2.1.1 IDE enhancements

2.1.1.1 Team Developer now remembers size and position of the ActiveX explorer and the find window.

2.1.1.2   Save as UTF-8 UNICODE is now available at the file level.

2.1.1.3   The .NET Explorer now generates library code that uses the function overloading feature of Team Developer. Making the library source code easier to read.

2.1.2   UX enhancements

2.1.2.1   Grid datetime columns accept an input mask. You can use precise local input masks to format grid datetime values.

2.1.2.2   Grid cell edits can be saved using the <esc> key if users prefer that.

Add CellProp_CommitByEsc grid cell property for SalGridSetCellProp/SalGridGetCellProp. If this property is set ESC key saves current modifying cell value, otherwise discards it (default behavior).

2.1.2.3   Ribbon separators now have names for them to be referenced at runtime. For example, delete Ribbon separators at runtime.

2.1.2.4   More choices for keyboard accelerators.

In attribute inspector more keyboard accelerator choices can be selected for menu items. Ctrl+Alt+<key> and Alt+<F-Key>

2.1.2.5   New hide/close button for dockable dialogs. Prevents dockable dialogs to be closed by a user.

SalDlgHideCloseButton

bOk = SalDlgHideCloseButton(hWndDockingDlg)

This function hides the close button on the title bar of the specified docking dialog. This does not work for a standard dialog box.

Parameters:

hWndDockingDlg - Window handle. The handle (or name) of a docking dialog box.
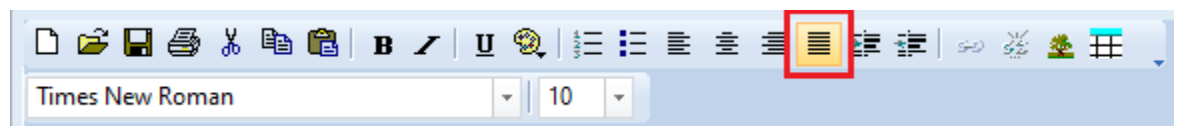
Return Value:

bOk is TRUE if the function succeeds and FALSE if it fails.

2.1.2.6   Enhancements to the Active Coding Assistant (ACA)

New ACA shortcut for string variable concatenation. Type sVariable|= to get "sVariable = sVariable || "

2.1.2.7   Justify alignment functionality is added to RichText control

Justify alignment button is added to RichText control toolbar. SalRTFParagraphSetAlignment and SalRTFTextGetAlignment are also modified to support Justify (4).

2.1.3   New APIs

2.1.3.1   SalRTFDocumentSave() errors can now be trapped.

SalRTFGetLastError

bOk = SalRTFGetLastError(hWnd, nError, sErrMsg)

Retrieves the error code and its description message for the error caused by SalRTFDocumentInsert and SalRTFDocumentSave.

Parameters:

hWnd - Window Handle. The handle (or name) of the Rich Text control.

nError - Receive Number. The error code from CFileException.

sErrMsg - Receive String. The error text describing nError.

Return Value:

bOk is TRUE if the function succeeds and FALSE if it fails.

2.1.3.2   cdkBuildSettings are enhanced for .NET build targets.

The CDK SetTargetType function accepts the below new build targets:

CDK_DOTNET_WPFDESKTOP (11) - .NET Executable

CDK_DOTNET_CLASSLIB (13)   - .NET Class Library

CDK_DOTNET_WEBSERVICE (14) - .NET WebService

CDK_DOTNET_SALLIBRARY (15) - .NET SAL Library

2.1.3.3   Web Service Operations can be added via CDK.

cdkClass.AddOperation is the new function for adding a Web Service Operation via CDK.

2.1.3.4   International version of SalGridDataExport()

SalGridDataExportText

bOk = SalGridDataExportText (hWndGrd, strFileName, sDelimiter, bVisible, nFlags)

Exports the contents of the grid to the specified text file delimitted by specified delimiter string. If the file already exists, it will be overwritten.

Note : From 6.2 release onwards, the call to this function opens a file open dialog box if strFileName is empty.

Parameters:

hWndGrd   Window Handle. The handle (or name) of the grid.

strFileName   String. The name of the file to be written (file extension will not be added; include it in the filename). Opens a file open dialog box if this is an empty string.

sDelimiter   String. The delimiter string will be used for exporting data file.

bVisible   Boolean. If set to TRUE, only visible column will be exported.

nFlags   Number. Flags for indicating how data should be exported:

EXPORT_HideHeaders   - Excludes column headers

EXPORT_SelectedRows   - Export only selected rows

EXPORT_SelectedCols   - Export only selected columns

EXPORT_UnSelectedRows   - Export only unselected rows

EXPORT_AllRows   - Export all rows.

EXPORT_AutoFitColumns   - Set column width to fit its contents for Excel

EXPORT_AutoFitRows   - Set row height to fit its contents for Excel

Return Value:

bOk is TRUE if the function succeeds and FALSE if it fails.

SalGridDataImportText

bOk = SalGridDataImportText(hWndGrid, nFile, sDelimiter)

Allows the user to import data from text delimitted by specified delimiter string.

Parameters:

hWndGrid   Window Handle. The handle (or name) of the grid.

nFile   String. Name of the file to import.

sDelimiter   String. The delimiter string used for specified importing file.

Return Value:

bOk is TRUE if the function succeeds and FALSE if it fails.

2.1.3.5   New API to detect current directory and executable file name.

SalFileGetModuleName

bOk = SalFileGetModuleName (strDir, strFile)

Gets the directory and file name of module file currently executing.This returns application file currently executing in debug mode instead of the path for cbi75.exe.

Parameters:

strPath Receive String. The directory name of module file currently executing.strFile Receive String. The file name of module file currently executing.
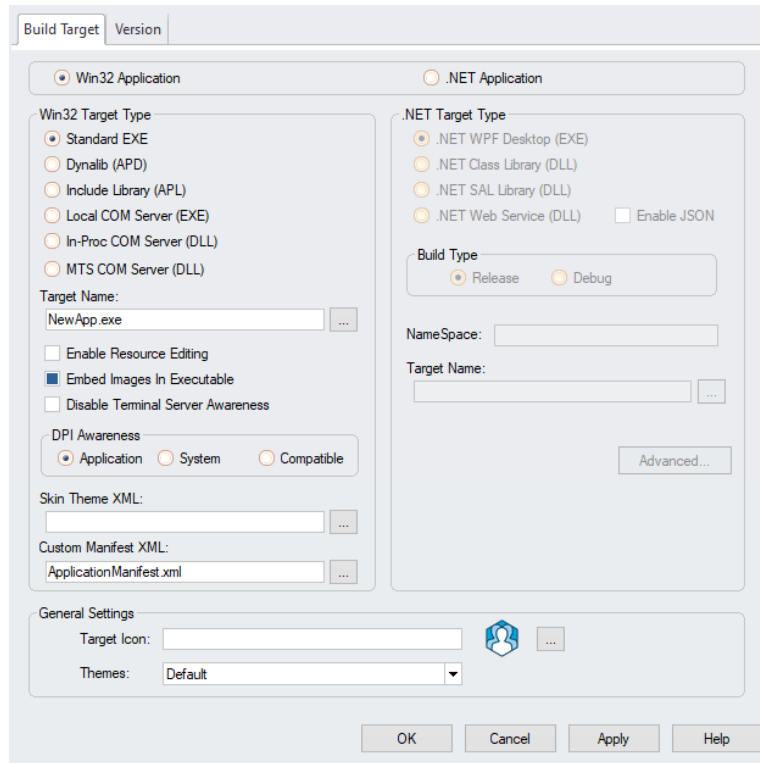
Return Value:

bOk is TRUE if the function succeeds and FALSE if it fails.

2.1.3.6   Protection from in memory debugging of usernames and passwords.

After SqlConnect or SqlCreateSession the connection password cannot be read in memory.

2.1.4   New build features

2.1.4.1   Build option to add a custom manifest file to an exe file.

2.1.4.2   New Terminal Server aware setting for use with application virtualization.

See image above.

Sets TSAWARE flag in executable.

2.1.4.3   TD executables now use address space layout randomization DYNAMICBASE for increased runtime security.

Address space layout randomization (ASLR) is a computer security technique involved in preventing exploitation of memory corruption vulnerabilities. To prevent an attacker from reliably jumping to, for example, a particular exploited function in memory, ASLR randomly arranges the address space positions of key data areas of a process, including the base of the executable and the positions of the stack, heap, and libraries. (Source: WikiPedia)

2.1.5   New language features

2.1.5.1   Allow a direct call of functions in a general window class without latebound if it is qualified with a window handle. (windowhandle.generalwindowclass.function)

2.1.6   Quick Objects

2.1.6.1   cQuickHTML class defined in qckwax.apl is modified to use Microsoft Edge WebView2

Installing the WebVIew2 runtime is required to use updated cQuickHTML. Evergreen Bootstrapper installer is available in Deploy folder. You can also download standalone installer from [here](#).

Some functionalities might not work due to incompatibility between WebView2 and IE ActiveX.

- "Show home page at design time" property is ignored. Home page is not shown at all at design time.
- "Status Animation Window" is still shown but animation is not supported.
- "Status Bar" property enables to show the status bar of WebView2 at lower left corner. This usually shows the URI of a link when the user hovers over it and other information. The status bar of cQuickHTML window won't be visible anymore

2.1.6.2   SalJSON class now contains functions from SalJSON_Config including new OAuth2 functionality. SalJSON_Config functional class was removed from SalJSON.apl.

All functions defined for SalJSON_Config were move to SalJSON functional class with the same functionalities. Also several functions to provide OAuth2 functionalities are added in beta stage.

2.2   Discontinued and deprecated features

The following features have been discontinued in this release:

- The .NET XBAP build target has been removed from Team Developer .NET. Microsoft has discontinued Internet Explorer which was required for XBAP deployment.

The following features have been deprecated in this release:

No deprecated features.

3   Downloads

Downloads for Gupta Team Developer are available on [My Support](#).

3.1   Packaging and delivery information

The software for Gupta Team Developer includes:

- TDSetup-7.5.0-x86.exe (32bit Installation program)
- TDSetup-7.5.0-x64.exe (64bit IDE installation program)
- Deploy-7.5.0-x86.exe (32bit deployment installer)
- Deploy-7.5.0-x64.exe (64bit deployment installer)
- TDSamples-7.5.0-x86.exe (32bit samples installer)
- TDSamples-7.5.0-x64.exe (64bit samples installer)

4 Documentation

Documentation for Gupta Team Developer is available on My Support.

4.1 Packaging and delivery information

The documentation for Gupta Team Developer includes:

- TD New and Changed Features.pdf
- TD Report Builder New and Changed Features.pdf
- TD Installation Guide.pdf
- TD .NET Projects.pdf
- TD API Reference Guide.pdf
- TD Calling .NET Assemblies.pdf
- TD Connecting SQLWindows Objects to Databases.pdf
- TD Developing with SQLWindows.pdf
- TD Dynamically Load XAML Resource Dictionary.pdf
- TD Guide to Writing Web Service Client Applications.pdf
- TD Introducing Team Developer.pdf
- TD Localizing and Customizing SQLWindows Applications.pdf
- TD Managing Teams and Objects with Team Object Manager.pdf
- TD Moving Dynamic Libraries to NET SAL Libraries.pdf
- TD Named Toolbar Extensions.pdf
- TD NET 64-bit Compilation Support.pdf
- TD New Controls Demonstration.pdf
- TD Progress Bar Alternative for cMeter.pdf
- TD Ribbon Menu.pdf
- TD Team Developer & Web Services.pdf
- TD Using & Extending QuickObjects.pdf
- TD Visual Toolchest Class Library.pdf
- TD Web Reporting Guide.pdf
- TD WPF Container & Controls.pdf
- TD Your First .NET-WPF Application.pdf

4.1.1 Related videos

For additional video content, see the Gupta Team Developer Videos page on My Support.

Also see https://www.youtube.com/guptatechnologies

5 Supported environments and compatibility

This section provides details about supported platforms, systems, and versions.

5.1 Supported systems

Processor	x64 Processor, 1.4GHZ or better

Memory	2GB or greater
Operating System	Windows 11, 10 Windows Server 2022, 2019, 2016, 2012 R2
.NET Framework	4.7.2+
Databases Win32	SQLBase 12.3, 12.2, 12.1, 12.0, 11.7 SQLBase 11.6 (using 11.7 drivers) Oracle 11g R2, 12c, 18c, 19c Microsoft SQL Server 2014, 2016, 2017, 2019 SAP ASE 16.0 (Sybase) Informix 10, 11, 12.1 (32 bit client) OLE DB (32 bit version) ODBC (32 bit version)
Databases Win64	SQLBase 12.3, 12.2, 12.1, 12.0, 11.7, 11.6 (using 11.7 drivers) Oracle 11g R2, 12c, 18c, 19c Microsoft SQL Server 2014, 2016, 2017, 2019 SAP ASE 16.0 (Sybase) Informix 10, 11, 12.1 (64 bit client) OLE DB (64 bit version) ODBC (64 bit version)
Databases .NET	SQLBase 12.3, 12.2, 12.1, 12.0, 11.7, 11.6 (using 11.7 drivers) Oracle 11g R2 (32 bit client) connecting to Oracle 10g or 11g Oracle 12c, 18c, 19c Microsoft SQL Server 2014, 2016, 2017, 2019 SAP ASE 16.0 (Sybase) OLE DB (32 bit version) ODBC (32 bit version)

Team Object Manager (TOM)	TOM supports SQLBase databases only. SQLBase 12.3, 12.2, 12.1, 12.0, 11.7, 11.6 (using 11.7 drivers)

5.2 OpenText product compatibility

This section provides details about which versions of other OpenText products are compatible with this release of Gupta Team Developer 7.5.

Note

For the latest compatibility information for OpenText products, refer to the Product Compatibility Matrix.

Product name	Version	Notes
OpenText Gupta SQLBase	12.2, 12.3	
OpenText Gupta Report Builder	7.5	
OpenText Gupta Q	1.0.1	

5.3 Language support

Gupta Team Developer is currently localized in the following languages. Additional languages may be available in future releases.

UI = user interface only
B = both user interface and online help

Component	Languages							
	EN	DE	JA	FR	IT	ZH	ES	RU
SQLWindows	B							
.NET Explorer/.NET Explorer (x64)	B							
Connectivity Administrator	B							
DBPipe Server Desktop	B							
Deployer 7.5	B							
Grid Migration Wizard 7.5	B							
Migration Wizard 7.5	B							
Object Nationalizer 7.5	B							
Quick Tabs Migration Wizard 7.5	B							
Report Builder 7.5	B							
Report Designer	B	UI	UI				UI	
Repository Setup Wizard 7.5	B							
SQLTalk Interactive SQL 7.5	B							
SQLTalk Plus 12.3								

6 Installation and upgrade notes

This section provides additional installation and upgrade information, including related or third-party product information and any required critical patches.

6.1 Installation notes

Before you install Gupta Team Developer, review these additional installation notes and verify related product or third-party product requirements.

You need to install Gupta Team Developer having local Administrator rights on the installation computer to make sure all components can be installed and registered correctly.

7 Fixed issues

This section provides information about past issues that have been fixed in this release.

Issue name	Issue description
TD-19565	Request for TD to remember size and position of the "ActiveX Explorer Library Selection" screen
TD-20951	Change the behavior of Report builder so that the display fonts don't depend on the default printer
TD-21698	Find dialog doesn't remember its last position
TD-23011	"Input Mask" property is not being applied on Date/Time grid columns
TD-23116	New TD build option: add/edit custom manifests
TD-23333	Allow TD IDE to shows full range of x64 numbers in debugger
TD-23577	Unable to choose specific menu item Accelerators from the Attribute Inspector
TD-23657	SalGridDataExportEx should allow file types to be specified in file selection
TD-23789	Removing the close button ("X") from dockable dialogs
TD-23801	SALGridDataExport and SALGridDataImport delimiter Options
TD-23953	add an attribute that can on/off the ESC key on GRID cell
TD-24033	Request to have access Ribbon separator so the end-users can delete it
TD-24162	Implement a cdkClass.AddOperation() as currently it is not possible to add a Web Service operation using the TD SAL CDK
TD-24277	Provide a new SAL function to get the path of the current running process and use that function in GAILBase.apl in place of SalFileGetCurrentDirectory()
TD-24310	Allow SalRTFDocumentSave () I/O error to be trappable
TD-24852	New functionality to allow a direct call of functions in a general window class without latebound, because it is qualified with a window handle
TD-25615	Request to get Click Event in MDI Windows
TD-25745	Dual Monitor Application Control
TD-25954	Request to add new browser control be supported (Chromium based Edge Browser Control - Webview2)
TD-26048	SalJSONSerializeUDV() inconsistant order of data returned by the function when comparing WIN32 vs .NET
TD-26169	Descending sorting in grids does not work with certain formatting
TD-26235	Request to add an option to change UTF-8 setting at file level instead of IDE
TD-26313	Request for the ACA |=
TD-26343	WPF - System.Guid does not work and gives an error

TD-26356	DotNetExplorer should not generate overload method as individual function with _OverloadN suffix.
TD-26361	Remove XBAP support from TD 7.5 release
TD-26412	Outline editor does not handle long line and throws an error using SalJSONSerializeUDVEx - Header issue
TD-26414	Right Click does not retain focus when the object is a Background Text/Label and associated with Tab is not functional
TD-26422	There are extra spaces around tree item image if image height is bigger than tree item height.
TD-26434	Support OAuth2 access token in Team Developer
TD-26464	Grid Table: No sorting for grouped columns with no value
TD-26481	Vertical scrollbar has incorrect size and the MDITabs are not correctly aligned when MDI Tabs are enabled.
TD-26493	ComboBox height gets oversized after using VisWinSetStyle when windows scaling is greater than 100%
TD-26494	Is there a solution to connect to MS SQL Server via OLEDB without having the decrypted(ie encrypted) user name and password in the memory of the client
TD-26510	No resultset in GRID from a call to SalTblPopulate() using TBL_FillAll in a specific application using Oracle OLEDB
TD-26527	After Upgrading to TD 7.4.2/ 7.4.3, Unexpected random crashes after opening certain window from library
TD-26528	Resizable dialogs with anchoring enabled do not work properly on dual monitor systems
TD-26531	ProfUIS entry point runtime error launching CBI74.EXE (x64) after updating to 7.4.4 from TD 7.4.3 having ONEOFF743.11.7z
TD-26533	Grid validation makes a window inoperable
TD-26534	Combo box rendering issue when using SalAnchorChildInitScaling() AND display scaling is > 100%
TD-26535	Incorrect rendering of PNG picture in pushbutton when display resolution is 1080p using 100% scaling
TD-26539	TD 7.4.4 regression: strange effects with anchoring
TD-26542	Messagebox translation
TD-26543	Logical operation does not work as expected in .NET mode.
TD-26544	Menu item with tooltip NOT showing in Context menu when using SalTrackPopupMenu()
TD-26546	In TD 7.4.4 Can't open word file in .NET
TD-26548	Issue when copying source code from one TD instance to another
TD-26552	ACA: No code completion in a specific scenario
TD-26553	Undo reverts an older modification but not the last one
TD-26554	Code lost when deleting code and undoing the deletion in a specific scenario
TD-26555	Active coding assistant : Ctrl G / Ctrl + Shift + G problems
TD-26556	Tooltip remains open, if you choose 'Select in Layout' to open e.g. a Form Window in layout mode
TD-26560	TD crashes after pressing Ctrl + Shift + G if the source code to jump to has been deleted.
TD-26562	Active coding assistant :Shortcut Keys F2 and Ctrl-F2 are not working same as Ctrl-G/Ctrl-Shift-G
TD-26563	Toolbar anchoring issue with buttons when scaling is > 100%
TD-26564	How to activate TSAWARE on system built with TD 7
TD-26565	Change of behaviour/result for lParam (row clicked) when having grid grouped flag (COL_IsGroupBy) .
TD-26566	The application fails to compile in .Net with syntax error
TD-26567	Showmsg function call gets incorrect number of arguments for .Net

TD-26568	Incorrect number of arguments used in function call while compiling in .Net
TD-26571	Font size on TAB windows not honored on controls having text is not
TD-26572	Request to add a new feature compiler flags 'Dynamic Base' and 'ASLR' will be "Present.
TD-26575	Visual Toolchest test fails with 'Number too large to use here'
TD-26576	Apt/App behaves differently than executable
TD-26577	Font Size is bigger
TD-26579	Issues with Grid Filter
TD-26584	Internal memory has become Invalid
TD-26596	Grid context Menu "Columns" does not honour the hidden state of column(s)
TD-26598	Background Text - Right-Click - Associate w/Tab - Not Functional
TD-26604	CLONE - Request to add a new feature compiler flags 'Dynamic Base' and 'ASLR' will be "Present.
TD-26605	CLONE - Active coding assistant : Ctrl G / Ctrl + Shift + G problems
TD-26606	CLONE - ComboBox height gets oversized after using VisWinSetStyle when windows scaling is greater than 100%
TD-26607	ACA Bug no tooltip for own class functions in dialogs and forms
TD-26608	Filtering condition cannot be cleared
TD-26610	When run the app get "Number too large to use Here"
TD-26611	Alt+0 shortcut does not work for to TabBar control
TD-26612	Grid - Order By error when selecting valor column
TD-26613	Incorrect row number retuned by SAM_RowSetContext in a specific scenario
TD-26615	Executable behave differently while run under IDE
TD-26617	Report Builder : Alert message while printing QRP file
TD-26618	CLONE - Code lost when deleting code and undoing the deletion in a specific scenario
TD-26621	Api command to set autofill property of combo boxes at runtime
TD-26623	Generated apl from wsdl needs TD 7.5 to convert
TD-26625	Grid filtering disabled in a specific scenario
TD-26632	SalCenterWindow() incorrect Windows location when having 2 monitors of different size depending on monitors alignment
TD-26633	ICON are sized differently in runtime when using SalNavAddPane
TD-26637	An application crashes on one of the external functions with two functions with different name
TD-26640	CDK Build Settings .NET Features
TD-26644	No transparency in button with a PNG image when using the Aqua.xml skin theme
TD-26645	Sybase native router incomplete result fetching record from a specific table
TD-26648	Application crashes
TD-26650	CTD 6.2/7.4 Memory allocation error in function SalFileGetStr()
TD-26651	SAM _Click on the toolbar button not triggered (in a specific scenario) when having a child Table Windows with drop-down column
TD-26656	Update target .NET Framework version to 4.7.2
TD-26660	GRID data/time column values changes when scrolling in the grid and only when the format is different than "unformatted"
TD-26662	[Ctrl] [Tab] tbBar navigation doesn't switch to next tab
TD-26663	cdkFunction class is misssing a method to specifiy the return type of a class/UDV
TD-26664	SalWindowApplyDockState()/SalWindowWriteDockState() not functional when using TD x64
TD-26665	OpenSSL - BDSA-2023-0226 (+6)

TD-26667	Controls with SalAnchorChildInitScaling enabled do not scale on a tab bar, if the page is not on top
TD-26670	Report Builder- Conditional display for image is disappear when we select the option "Size to Fit"
TD-26672	TD 7.4.5 - Focus still remains on push button when clicked on editable combo box
TD-26674	SalRibbonSetItemChecked does not works on items added by SalRibbonAddItemEx with type RIBBON_ITEM_TYPE_RADIO
TD-26679	Background worker is being paused by a Message Box on the main thread
TD-26680	Access violation error in tdws74.dll/Axis2c x64
TD-26681	Goto Library Item (F5) will bring you to the wrong item if there is another item with same name but in different class
TD-26682	Label of the datafield is getting truncated
TD-26683	SQL error dialog is not shown when accessing non existing ORACLE objects.
TD-26688	Custom manifest: no error when not found / when malformed
TD-26695	Test case for TD-24604 does not work
TD-26698	Object Nationalizer crashes while trying to open executable
TD-26703	Creating child forms with "Accessories Enabled" = Yes have wrong behavior
TD-26704	In some cases, specifying a semicolon in numeric format produces incorrect results.
TD-26685	Requirement of adding Text format "Justify" in report builder

8   Known issues

The following known issues exist in this release.

Issue name	Issue description
TD-26417	Zooming issues when on a tab form
TD-26631	SalZoomWindow with Anchor functionality rendering issue in a specific scenario
TD-26694	Issue with the DisableCharsetConversion setting when enabled gives another error

9   Contact information

OpenText Corporation
275 Frank Tompa Drive
Waterloo, Ontario
Canada, N2L 0A1

For more information, visit the OpenText or My Support websites.