

OpenText Gupta Team Developer

Release Notes

7.3.1

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1 Introduction

These Release Notes provide an overview of Gupta Team Developer 7.3.1, 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 (<https://support.opentext.com>) 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
2020-06-16	First release.	All new content.

2 About Gupta Team Developer

This section provides an overview of Gupta Team Developer 7.3.1.

Team Developer 7.3.1 is the first quality improvement release for Team Developer 7.3.

2.1 New features

Gupta Team Developer 7.3.1 includes the following new features.

2.1.1 IDE enhancements

- New outline preference to allow the number of spaces to indent to be configured.
- New "Hide Included Items" and "Show Included Items" in object tree context menu for application root item.

2.1.2 SAL API enhancements

- Added EXPORT_UnSelectedRows flag for SalGridDataExportEx to export only the unselected rows.
- Added EXPORT_AllRows flag for SalGridDataExportEx to ensure all rows are fetched.
- Added COL_NoEditText flag (0x200) for SalTblSetColumnFlags to prevent paste into column when set.
- Added new table flag, TBL_Flag_DisableVisTblSort, to disable sorting of VisTbl properties (row colors, images) during SalTblSortRows. This improves performance by about 10 percent.
- Added new table flag, TBL_Flag_DisableScrollRange, that can be set to TRUE before a loop that calls SalTblInsertRow, and then reset to FALSE when the loop completes.

- Added new table flag, TBL_Flag_UseTableLineColor, to use the same line color for child grid and grid window as the child table and table window. This flag is ignored by the child table and table window.
 - o Added new table flag, TBL_Flag_GroupFontUseGrid, to allow using the same font for the grid and its groups.
- Allow LBS_ThemedCombo style to be ORed with with LBS_VisExtensions in call to VisListSetStyle in VTM_Create for VT list boxes: Call VisListSetStyle(hWndItem, LBS_VisExtensions| LBS_ThemedCombo, IParam)
- A new message, SAM_TrackMenuInit, has been added to allow adding menu items to a named menu after SalTrackPopupMenu has been called.
- A new constant, TPM_DynamicMenu, has been added that can be ORed with the nFlags argument of SalTrackPopupMenu to indicate that dynamic menus are used. Another new constant, MENUFLAG_TRACKMENU has been added that can be ORed with the nFlags argument of SalMenuInsert to indicate that the menu item should be added to the track popup menu. When the user clicks on the added menu item, SAM_MenuItemClick is executed on the parent form or dialog, passing the name of the added menu item.
- New SAL function, SalTooltipSetDelay and SalTooltipGetDelay
 - bOk = SalTooltipSetDelay(hWnd, nDelay)
 - Sets the time in milliseconds to delay SAM_DisplayTooltip for the current control.
 - Returns TRUE on success
 - nDelay = SalTooltipGetDelay(hWnd)
 - Returns The tooltip delay time in milliseconds.
- New SAL function, SalTabEnableCtrlTab
 - bOk = SalTabEnableCtrlTab(hWndTab, bEnable)
 - Enable or disable Ctrl-Tab key on tab bar. By default, the tab bar handles the Ctrl-Tab key.
- New SAL function, SalSetButtonChecked
 - bOk = SalSetButtonChecked(hWnd, nCheck) Sets whether a radio button, option button, or check box is checked. A radio button can only be checked. Other radio buttons in the same group are unchecked.
 - Parameters:
 - hWnd Window Handle. The handle (or name) of a radio button, option button, or check box.
 - nCheck Number. 0 = Unchecked, 1 = Checked.
 - Return Value:
 - Returns whether checked/unchecked operation successful.
- New SAL function, SalYieldSetInterval
 - bOk = SalYieldSetInterval(nInterval)
 - Sets the number of statements to execute between yield handling. Default is 48.
- New SAL function, SalAnchorEnable, that can be called in SAM_Create to enable the control anchoring feature for toolbars.

bOk = SalAnchorEnable(hWndToolbar, bEnable)

Must be called from SAM_Create of the parent form. Anchoring is disabled if the user moves a toolbar from a vertical to horizontal docked orientation, or vice versa.

- A new message, SAM_TrackMenuInit, has been added to allow adding menu items to a named menu after SalTrackPopupMenu has been called. A new constant, MENUFLAG_TRACKMENU has been added that can be ORed with the nFlags argument of SalMenuInsert to indicate that the menu item should be added to the track popup menu. When the user clicks on the added menu item, SAM_MenuItemClick is executed on the parent form or dialog, passing the name of the added menu item.
- The SAM_DropDown message is now handled for a column with Date Time cell type.

2.1.3 UX enhancements

- The grid will no longer scroll to the beginning when it is disabled.

2.1.4 Database connectivity enhancements

- Before TD hard coded which ODBC driver supports back end result set. Now customer can specify ODBC driver supporting back end result set by themselves by using brsdriver option in [odbcctr] section of sql.ini like as follows. If actual ODBC driver name starts with this name TD enable back end result set for it. Note that this might introduce some side effect (performance issue or so) TD cannot handle.

```
[odbcctr]
```

```
brsdriver=msodbcsql
```

2.1.5 Report Builder enhancements

- Report Builder now saves WMF images data as external file and shows a dialog to indicate its location. Customer can convert it to EMF image manually and embed it to Report Builder instead of original WMF image.

2.1.6 Miscellaneous enhancements

- Deployment installer has "Web service components" feature in Select Features dialog.

2.2 Discontinued and deprecated features

The following features have been discontinued in this release:

- No discontinued features.

The following features have been deprecated in this release:

- No deprecated features.

3 Packaging and documentation

Downloads and documentation for Gupta Team Developer are available on OpenText My Support (<https://support.opentext.com>).

3.1 Packaging and delivery information

The software and documentation for Gupta Team Developer includes:

- TDSetup-7.3.1-x86.exe (32bit Installation program)
- TDSetup-7.3.1-x64.exe (64bit IDE installation program)
- Deploy-7.3.1-x86.exe (32bit deployment installer)
- Deploy-7.3.1-x64.exe (64bit deployment installer)
- TDSamples-7.3.1-x86.exe (32bit samples installer)
- TDSamples-7.3.1-x64.exe (64bit samples installer)
- 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

3.2 Related documentation

For additional information about Gupta Team Developer, or for supplemental information about related products, refer to the following documents, which are available on OpenText My Support (<https://support.opentext.com>).

- <https://knowledge.opentext.com/knowledge/cs.dll/Open/62171711>

4 Supported environments and compatibility

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


4.1 Supported systems

Processor	x64 Processor, 1.4GHZ or better
Memory	2GB or greater
Operating System	Windows 10, 8.1 Windows Server 2019, 2016, 2012
.NET Framework	4.5+
Databases Win32	SQLBase 12.2, SQLBase 12.1, SQLBase 12.0, SQLBase 11.7, SQLBase 11.6 (using 11.7 drivers) Oracle 11g R2, 12c, 18c, 19c Microsoft SQL Server 2008, 2012, 2014, 2016, 2017 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 12.2, 12.1, 12.0, 11.7, 11.6 (using 11.7 drivers) Oracle 11g R2, 12c, 18c, 19c Microsoft SQL Server 2008, 2012, 2014, 2016, 2017 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 12.2, 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 2008, 2012, 2014, 2016, 2017 SAP ASE 16.0 (Sybase) OLE DB (32 bit version) ODBC (32 bit version)
Team Object Manager (TOM)	TOM supports SQLBase databases only. SQLBase 12.2, 12.1, 12.0, 11.7, 11.6 (using 11.7 drivers)

4.2 OpenText product compatibility

The section provides details about which versions of other OpenText products are compatible with this release of Gupta Team Developer 7.3.1.

 **Note:** For the latest compatibility information for OpenText products, refer to the Compatibility Matrix (<https://knowledge.opentext.com/go/matrix>) on OpenText My Support.

Product name	Version	Notes
OpenText Gupta SQLBase	11.6, 11.7, 12.0, 12.1, 12.2	
OpenText Gupta Report Builder	7.3	
OpenText Gupta Q	1.0.1	

4.3 Language support

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

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 7.3	B							
Grid Migration Wizard 7.3	B							
Migration Wizard 7.3	B							
Object Nationalizer 7.3	B							
Quick Tabs Migration Wizard 7.3	B							
Report Builder 7.3	B							
Report Designer	B	UI	UI				UI	
Repository Setup Wizard 7.3	B							
SQLTalk Interactive SQL 7.3	B							
SQLTalk Plus 12.2								

UI = user interface only

B = both user interface and online help

5 Fixed issues

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

Issue number	Issue description
TD-24036	SalYieldStartMessages yielding with new tab control does not work
TD-24192	WPF - RibbonBar Application returns Compile Error
TD-24509	Incorrent evaluation of boolean expression with .NET
TD-24660	TD .NET - External Assemblies - globals&class-symbols missing
TD-24681	Update header files to use LPWSTR where appropriate
TD-24783	WPF - Calling an instance variable from parent form leads an exception
TD-24788	When calling a late bound method in WPF.NET the application crashes, same works under Win32
TD-24832	"Memory has become Invalid" error when debugging an application in a specific scenario
TD-24883	401 error "Unable to connect to Database" when using SqlDon() and SqlInix() in a specific setup
TD-24927	Class variables value change depending on where in code you are and depending, if dialog has a local variable or not
TD-24938	Text alignment is lost when inserting a conditional display formula
TD-24946	Issue with variable hWndForm at class level in .Net version (TD7.1.3x64)
TD-24956	SalReportView Displaying differently in Windows 10
TD-24959	Add new Sal function, SqlClearLongBindDatatype, to online help.
TD-24963	WPF - SalWindowGetProperty only working with derived classes
TD-24964	Error "Issue_with_column_classes_in_DotNet.clsHIST_tbiEnquiry.collInstallationID" encountered in TD DotNet
TD-24966	WPF - Numeric constants are not recognized as valid input params
TD-24967	WPF - Hidden controls affect the scrollbar metrics in attached windows

TD-24968	WPF - SalNetCompileAndEvaluate fails with a simple boolean expression
TD-24986	SalGridDataExportEx new Option/Flag - EXPORT_UnSelectedRows
TD-24987	SalGridDataExportEx new Option/Flag Export All
TD-24989	Error message "All Files (*.*) *.* " is shown in the breakpoints form
TD-24993	Add the web service component option to the TD deploy installer
TD-24998	Table Window SalTblSetColumnFlags() of the undocumented column flag 0x200 allows copy and past on read only columns
TD-24999	Inconsistent L&F scrollbar's style using VisualToolChest (VT) controls when compared to TD controls.
TD-25002	Compilation in TD7.2 is slower compared to other TD versions
TD-25003	Sql Server Error 164 "No result set" when having Front End Result Set (FERS) enabled using SqlSetResultSet() Recurring in TD 7.2.1
TD-25005	Grid SalTblQueryColumnFlags()/COL_Selected flag result does not correspond to what the user selected
TD-25008	Provide an API to be able delay the display of a tooltip when user over list of objects such as Grid cells
TD-25009	SqlConnect leads to DB-error 196
TD-25010	Painting problem when data field background set to "3D Face Color" and font name is not set to default
TD-25012	SalNotifyDeletelcon Crashes TD
TD-25013	Multiline fields are not being seen correctly with .NET
TD-25015	Setting SqlINI system variable does not work even though all DB connections are closed.
TD-25016	A datasource cannot be associated with a graph in .NET
TD-25017	WPF - App crash on comparing SalDecimal-Result with Bool expression

TD-25018	CDK function is not working correctly in TD 7.2.1 x64bit
TD-25021	TD7.NET - Empty table when filling via Populate and Subquery
TD-25022	Installer shows warning on Windows 8.1
TD-25023	A table with a multiline field with a pushbutton accelerator of Enter fires in .NET version on carriage return
TD-25024	SalFileSeek fails to set the pointer to file begin
TD-25027	The number datatypes of the JSON String is not correct when the function SalJSONSerializeUDV is used.
TD-25037	Error 00160 CSB Out of memory at the client workstation (SQL CSB)
TD-25038	Field border protrude at the bottom of the field in TD7.2 but not in TD6.3
TD-25041	Application crash when inserting into DateTime2 and Varbinary(max) column in SQLServer
TD-25045	Duplicate Symbol error while using the same name of function as Sal* function
TD-25048	The new event SAM_Notifytoast is not listed in the index and the help for SalNotifyInitToast should have a sample
TD-25053	App crash and hWndForm vs. hWndFrame, Error calling class functions
TD-25055	Grid Filters menu need to be translated to Portuguese
TD-25058	Some WMF Picture file not showing when embedded in a Report Builder QRP template
TD-25061	Wizard fails if WSDL does not define returning value
TD-25063	Incorrect DATE returned when calling SalJSONDeserializeUDV() using JSON string containing a UNIX EPOCH and this only on WIN32
TD-25067	Critical section not locked when connecting to ORACLE using ORA 12c client and server
TD-25068	Documentation updates for the use of SQLServer versions pointing still to the older versions

TD-25070	Request for feature to retain the position of the selected/edited row when SalDisableWindow is called
TD-25072	WPF - Boolean logic involving .NET objects fails sometimes.
TD-25074	Request to add a Sal Function to disable ctrl-tab short cut key for the tab bar control at run time
TD-25083	If both 32-bit and 64-bit versions are installed, the shortcut for the 64-bit GUI is missing
TD-25087	Anchoring for ActiveX does not work
TD-25088	Request to programmatically assign values of a window handle
TD-25091	Add new Sal function, SalYieldSetInterval
TD-25095	WM_CHAR no longer fired on table windows when pressing <ENTER> key
TD-25098	Oracle OLEDB error with simple select statement.
TD-25099	No compiler warning when the functional class name is the same as the variable name.
TD-25100	Allow the "go to declaration" to work in the case where the functional class name is the same as the variable name.
TD-25101	Provide a way to dynamically modify context menu items that gets created using SalTrackPopupMenu()
TD-25102	Diff/Merge tool close in later versions of TD
TD-25103	SQL Server "Violation of PRIMARY KEY constraint" error when inserting a SAMLINT using a NUMBER bind variable in a 64-bit application only
TD-25108	Provide a new Table Window sorting function focusing on performance
TD-25109	TabBar in Toolbar setting window variable
TD-25110	Application hangs in a specific scenario
TD-25111	Problem detected in Active Coding Assistant in Team Developer

TD-25112	TD-25090 Anchor support for toolbar via SalAnchorEnable function for TD 7.3.1
TD-25118	After selecting a tray in Report Builder, the report does not print to that tray
TD-25119	SalSendMsg() WM_LBUTTONDOWNBLCLK not received when sent to a Data Field Class
TD-25122	Request to allow SAM_DropDown to be handled for a column with Date Time cell type
TD-25123	Object Nationalizer "Out of memory" error when applying or loading a TEXT translation
TD-25124	Request to have Cell GridLines in a Grid same as in the table
TD-25125	TD 7.2 app performance in Win7 vs Win10, further request to see if performance can be enhanced in TD runtime especially on SalTblInserRow()
TD-25126	CLONE - Object Nationalizer "Out of memory" error when applying or loading a TEXT translation
TD-25128	Storing Number that is more than 16-digits long translates the value to scientific notation
TD-25132	Hint-text no longer showing in a data field when the background color is changed using SalColorSet()
TD-25135	Include indention guides in TD
TD-25137	Option to hide the included (blue) Objects in the object tree window
TD-25140	Add functionality to change the font size of the grouped by row indication when the data displayed in a grid uses non default font size
TD-25142	Help for SalRTFTextSelectAll is incorrect
TD-25143	Function SalRTFTextGetSelected fails to get all text if a hyperlink is in the text
TD-25148	SalReportPrintToFileEx() as PDF produce a corrupted file output
TD-25149	Insert using bind against "INT NOT NULL" columns fails when connecting to SQL Server using a 64-bit OLEDB provider

TD-25159	TD71(x64) the application crashes if the error message length exceeds 255 characters
TD-25169	TD crash when themed VT Combo Box attribute "Always Show List" is set to YES
TD-25170	Themed combo box has wrong scrollbar when VisListSetStyle function used with LBS_VisExtensions and LBS_ThemedCombo combination
TD-25172	Source migration in TD 7.2.2 is not completed for TEXT format in one step
TD-25174	TD7.2.2 - Datafields - Content not centered in datafield with 3D Face color
TD-25175	Any relocation of pushbuttons (down or up) in Navigation Bar ends with silent crash
TD-25176	Image fails to load/show in picture container in a specific application/scenario
TD-25185	Web Service Wizard generates wrong Classes if list is sorted
TD-25196	"Internal memory as become invalid " error when getting envelopes using SalMail
TD-25197	.NET application fails with with error 915 "Invalid constant" when executing an insert or update statement that contains two minus-characters.
TD-25198	Fetching data from a column with datatype 'uniqueidentifier' in a SQL Server gives a corrupted data
TD-25205	Fully remove dysfunctional samples about Web Services found in \Samples\WebServices\
TD-25222	Sybase TEXT column crashing TD depending the size of the TEXT data and the value set for DBP_LONGBUFFER
TD-25224	TD online help shows wrong error identifier for each function. Currently all SalMail functions uses the same error code.
TD-25225	Inline Comments for UDV classes on same line will get serialized as well when serializing UDV to XML using SalXMLSerializeUDV function
TD-25229	CDK function cdkContainer.EnumChildWindowObjects() not functional (no detail on object) OR crashing when used in 64-Bit application

TD-25230	SalMail only sends email to first recipient, CC and BCC addressee in the list when the standard semi-colon separator is used
TD-25235	Occurs an error when trying to insert or update a null DateTime after number field
TD-25243	SAM_NotifyToast is fired three times for one click event

6 Contact information

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