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OpenText Gupta Team Developer 7.2

Agile low-code, high-value desktop software development

New code analytics

Low-code
REST wizard

Use Windows
notifications

Many new APIs

Organizations are under constant pressure to deliver more results with fewer resources. This is no difference in software development, software products, new versions and development projects, which need to be delivered quickly to stay ahead of the competition and keep overall costs low.

The extreme productivity of OpenText™ Gupta Team Developer helps users build software projects quicker than with other development languages to deliver solutions faster than the competition. Gupta Team Developer increases an organization's chances of winning a project bid and delivering on time and within budget.

New code analytics

With the new code profiling option of Team Developer 7.2, users can detect and resolve performance bottlenecks in their application code. During application runtime, Team Developer now creates a profile file that lists configurable code sections, including the time in milliseconds that it takes to execute the line of code. The new profile viewer allows users to color-mark lines that take more than a definable amount of time, producing an easy-to-read report of performance bottlenecks. Code profiling can be turned on in two levels, with or without Sal-code and external functions or using application parameters, environment variables or Sal function calls.

Gupta Team Developer is a complete solution that includes everything necessary to build .NET and Win32/Win64 desktop business applications, including a powerful IDE (Gupta SQLWindows), a comprehensive UX assembly kit, intelligent connectivity to databases and services, a database for development and testing, a reporting tool and a team and source management solution. It accelerates software development so organizations can do more with fewer resources. Users can deliver more software projects than their competition in less time at a lower cost, helping them win new projects.

Services

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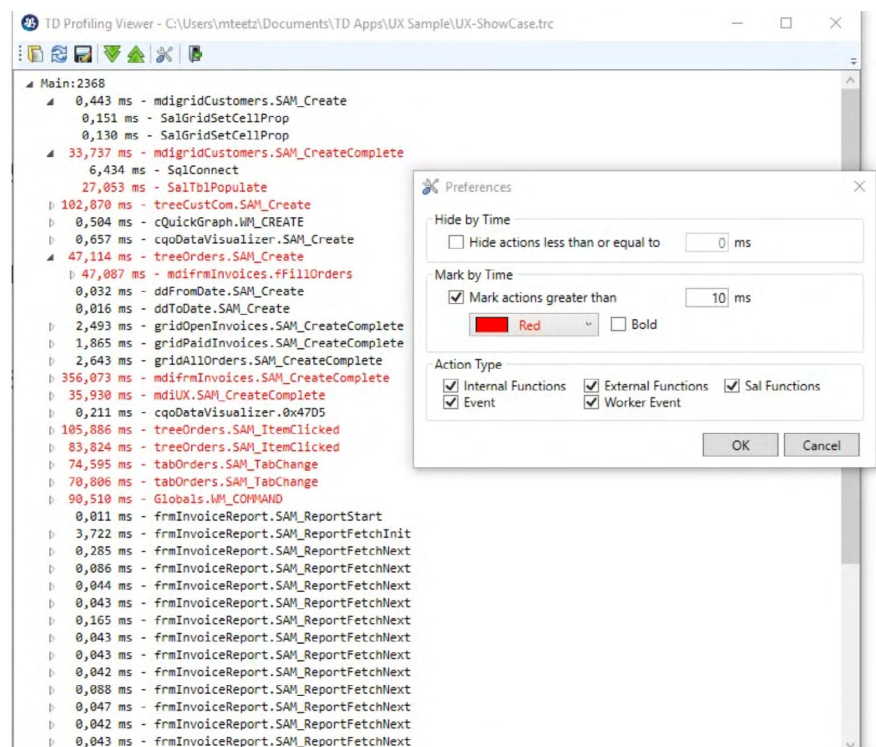
Low-code REST wizard

The new REST wizard reduces the complexity of consuming REST services by automatically analyzing a JSON response from a URL or a provided JSON string and creating an apl file that includes all the class definitions required to use the desired REST service, eliminating manual tasks to reduce development effort and errors.

Use Windows notifications

Microsoft® Windows® notifications alert users about application events. For example, if TAPI (Telephony Application Programming Interface) detects a missed phone call, the application can put a balloon notification into the notification area of Windows to let the user know who called at what time. Using the notification API, a user can also put an icon notification into the system tray of Windows. Code can be defined that executes when the user clicks on the tray icon or the Windows notification.

Many new APIs

Developers can provide REST headers and URL parameters to enable complex authentication methods, such as oAuth. They can change connection strings at application runtime and create thread-safe database connections using a new connect function. Strong AES string encryption protects important string content. Users can use regular expressions for string search and replace, for example, to detect whether a string is a valid email address or to redact string contents that should not be visible. New string compression functions work with binary variables and several new grid and tab APIs are available in Team Developer 7.2.

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New in Gupta Team Developer 7.2

	Description
Code profiling	Find and resolve performance bottlenecks in Gupta Team Developer applications
REST wizard	Auto-generate all classes required to consume a REST service
REST support of complex authentication	Pass header name value pairs and/or URL parameter name value pairs to enable complex authentication, such as oAuth: SalJSONSerializeUDVEx() SalJSONDeserializeUDVEx()
Windows notifications	Use notifications to alert users with certain application events
Dynamic connection strings	Update connection strings at application runtime
SqlConnectEx (database, user, password)	Enable thread-safe database connections without the use of global variables
New string encryption API	sEncrypted = SalStrEncrypt(string to encrypt, sKey) sDecrypted = SalStrDecrypt(string to decrypt, sKey)
String search and replace using regular expressions	Use advanced regular expressions for validations, redactions of sensitive contents and much more See the regex syntax here: **https://docs.microsoft.com/en-us/cpp/standard-library/regular-expressions-cpp?view=vs-2017**
String compression using binary variables	SalStrCompressEx(sString, bData) SalStrUncompressEx(bData, sString)
New parameters for string conversion to binary	SalBinaryToString()/SalStringToBinary() Support two new flags, ENC_BIN (no code page conversion) and ENC_BASE64 (base64 encoding)
Optional UTF8 file format	Some source control systems require UTF-8 encoded files
SqlPassword encrypted in memory	The global SqlPassword variable content is encrypted in memory for advanced security
Debugging with command line parameters	Provide command line parameters when in debug mode
New Office 2016 theme	New light grey high contrast Office 2016 theme.

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Description	

Grid enhancements	• SalTblSetTableFlags supports several new flags:
	
	  • TBL_Flag_VirtualScroll, which is only valid against grid windows
	
	  • When using this flag in combination with SalTblPopulate, the grid will use virtual scrolling to improve populate performance (note that certain grid features, such as grouping/sorting etc., will be disabled with this mode turned on)
	
	  • TBL_Flag_CtxMenuSortAlpha, when true will sort the columns in the column chooser context menu in alphabetical order instead of by column position
	
	• SalGridIsRowExcludedByFilter–Tests if a row has been excluded due to a filter applied by the user
	
	• SalGridBackColorSet/Get & SalGridTextColorSet/Get–New functions for setting colors of the grid for various grid states

Tab enhancements	• SalTabIsWindowActivated()–Returns whether the child window on the specified tab page is already activated • SalTabAttachWindowAsChild()–Assigns a child window created at runtime to the specified tab page as a child of the current tab container
Report Builder now includes .NET Report Designer	Users of Team Developer .NET applications can now use the Report Designer included in the Report Builder product to customize pre-built reports
Report Designer watermarks	Define image or text watermarks in Report Designer reports
Report Designer conditional formatting	Use conditional formatting in Report Designer reports
Report Designer image scaling	Images in Report Designer reports can now be scaled
Report Designer text line wrapping	The text content of Report Designer text fields can now wrap around multiple lines if the content is too long for one line
Optional UTF8 file format	Some source control systems require UTF-8 encoded files
SqlPassword encrypted in memory	The global SqlPassword variable content is encrypted in memory for advanced security
Debugging with command line parameters	Provide command line parameters when in debug mode
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