

TEAM DEVELOPER™

New & Changed Features

Product Version 7.3

Team Developer™: New & Changed Features

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IDE

- Overloaded functions will be shown in the ACA tooltip and quickinfo.
- When opening text outlines from TD 7.0, 7.1 or 7.2 with TD 7.3, the user will be prompted for conversion unless the value of Settings/AutoConvert in the registry is non-zero.
- Tools menu now has Debug Windows sub menu and following menu items are moved to there (Auto, Threads, Variables, Call Stack, Messages, Expressions and Locals), and having new menu item, Profiling Viewer, at bottom.

SAL API

- **SalTraceDebug** – convenience function to write debug messages to the IDE output window without needing to use StartTrace/EndTrace
- **SalStrHash** – Generates hash values for a string parameter. Supports MD5, SHA1, and SHA 256 – 512 algorithms.
- **CdkSetUTF8Option** – CDK API function to enable/disable UTF-8 outline save/read option available in Tools->Preferences->General tab.
- **SalDlgGetAutoHideStatus/SalDlgSetAutoHideStatus** – get/set the auto hide status of docked dialogs.
- **SalXmlSerializeUDVToString/SalXmlDeserializeUDVFromString** – Xml serialize UDV to string parameter instead of file.
- **SalNavSaveStateEx/SalNavLoadStateEx** – Save/load state of navigation bar to receive params.
- **SalNetCompileAndEvaluate** – Enhanced to support calling SAL functions
- **SalNotifyInitToast/SalNotifyShowToast** – Enhancement to our notification API added in 7.2, these functions create native Windows 10 toast notifications with improved OS functionality (the 7.2 balloon/notify API is compatible with earlier versions of Windows but lack certain features on Windows 10).
- **SalCreateWindowEx** – now supports a new CREATE_ChildWithMenu flag that enables child forms to display a menubar. Note that these menus will not work in every scenario, such as split windows.
- **SalQueryFieldEdit/SalSetFieldEdit** – Added support for Rich Text controls

- **VisWinLoadAccelerator** – Allows constant KDS_KeyDownMask flag to be OR'd with nKeyDownState argument, changes behavior to trigger on keydown instead of default keyup.

Runtime Profiling

- The profile viewer has been enhanced with a grid tree view option for better performance and sorting/filtering capability. The viewer also now supports showing annotations and custom profile points.
- Three new profile functions have been added to the API:
 - **SalProfileAnnotate** – Adds annotations to the output
 - **SalProfileTagEnter** – Starts a custom profile point
 - **SalProfileTagLeave** – Stops a custom profile point

UI

- Anchoring support for controls to enable dynamic resize/position as the parent container is resized (Win32 only).
 - To enable, set Anchoring Enabled to Yes on parent container (form/tab etc.)
 - Controls have new properties:
 - Vertical Anchor/Horizontal Anchor – Changes horizontal or vertical resize/position behavior as parent container is resized
 - Minimum Width/Minimum Height: Set a limit on how small a control can get, when limit is hit, parent container won't resize below that point.
- New message SAM_ColHeaderClick for Grid and Table Window to determine programmatically what column header a user clicked.

SalMail

- Replace implementation based on Microsoft SntpClient to use MailKit, which supports modern security and authentication schemes.
- Each provider has different implementations on how it handles OAuth2, to support this a plugin interface has been implemented. The OAuth2Sample installation folder has an example of how to implement such a plugin. The plugin can be registered using the following API:
 - Call Client.SetPlugin("C:\\Program Files (x86)\\Gupta\\Team Developer 7.3\\OAuth2Sample\\bin\\Release\\OAuth2Sample.dll")
- SetClientSecrets – new function for authenticating to Gmail using OAuth
 - Obtain client ID/Secret from Google API console.

Miscellaneous

- Support QuickObject for Grid control
- Notification icons created with SAL notify API will be removed on application close
- Updated demodll sample to C++, make x64 compatible