

TEAM DEVELOPER™

New & Changed Features

Product Version 7.1.3

Team Developer™: New & Changed Features

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- Empty strings no longer count toward the total for grid summary bar averages.
- SalTreeSetSelectedItem now allows the selection to be cleared if the passed tree item is null or -1.
- The compiler now enforces the protected keyword for array and UDV variables.
- The focus indicator rectangle is now shown for grid check box cells.
- The selected item is now scrolled into view by SalTreeSetSelectedItem.
- The height of forms containing ribbon bars is now increased at run time to account for the height of the ribbon bar.
- Data fields with background color set to 3D Face Color now display as transparent regardless of theme.

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- Add support for Oracle 18c.

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- VisGetWinVersion now returns correct version number on Windows 10 OS, previous versions of TD would return 6 as the major OS version.
- SalGetBufferLength incorrectly returned 2 for BINARY_Null in 7.1, now

returns 0 as previous versions of TD did.

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Background Threads

- Window outline includes a new Background Threads node where instances of BackgroundWorker classes can be defined. Background workers allow for tasks to be run on background threads without blocking the GUI. They also provide easy to use events that allow you to monitor the progress of the worker on the GUI thread.
- The following SAL functions have been added to support interacting with background workers:
 - SalBackgroundWorkerStart – Start a background worker instance
 - SalBackgroundWorkerCancel – Cancel a background worker instance
 - SalBackgroundWorkerIsCanceled – Check cancel status from the worker instance
 - SalBackgroundWorkerIsBusy – Check if worker is running
 - SalBackgroundWorkerReportProgress – Send progress information to GUI event handler
 - SalBackgroundWorkerAnyRunning – Check if any workers are running for a particular window or application wide.
- Added a new Debug windows “Threads”. This window can be used to monitor and interact with background workers during a debug session.

Win32 support for WPF Controls

- Win32 applications can now use the WPF Custom control and the associated SalWPF* API functions that previously were limited to .NET build targets only.
- The layout pane has been improved to render WPF Custom controls based on the XAML property.

UI Skinning

- Win32 builds now have support for ProfUI skinning, which gives developers the ability to create XML files that can define a custom L&F for their applications.
- The skin XML file can be specified in the Build Settings dialog by setting the Skin Theme XML setting. This can also be set dynamically at runtime by first calling the new function SalThemeSetXMLPathName to set the filename, then passing THEME_Skin to SalThemeSet.
- The skin for the IDE can be customized as well under Tools->Preferences->Presentation.

IDE

- A new source control pane (available under Tools->Source Control) has been added to enable checkout/commit/updates from SVN or GIT directly from the IDE.
- Window panes now have a Functions tab for quickly accessing the functions defined on the Form/Dialog etc.
- The outline toolbar now has navigate back and forward buttons that allow you to

- revisit previous positions in the outline.
- ACA tooltip and Quick Info popups have been improved to show inline comments added to function parameters and return statements.
- Improved “Assign to Tab Page” UI to make it easier to assign a control to multiple tab pages.
- Debug->Playback and Playback Rewind functionality has been removed.

SAL API

- SalTabAddPageEx and SalTabSetPageIcon now accept resource names as the filename argument. If the filename does not exist, an attempt will be made to load the image based on resource name.
- SalSetTooltipImage – New function for setting image based tooltips on windows
- SalCenterWindowEx – New function to center both resizable and non-resizable windows at the same position and size.
- SalRibbonSetItemFieldWidth/SalRibbonGetItemFieldWidth – New functions for setting/getting data field/combo box width on ribbon items.
- SalPicSet/SalPicSetFile can now be passed hWndMDI to set the background image for an MDI frame window. SalPicSetFit can also be used to set the scale and fit of the background image.
- A new SAM message SAM_DateColumnSum is supported on grid columns. This allows for custom date totals. Use with new functions SalGridColumnSummaryDateValues and SalDateReturn.

Reporting

- Watermarks now support an “On Top” option to control if the watermark is rendered behind or on top of text/pictures in the report output. Transparency color can also be specified (default is white) using a color chooser.

Miscellaneous

- This version of Team Developer is built with Visual Studio 2017.
- Installer now includes option to install PDB's for TD assemblies, making it easier to debug crashes.
- Metro theme on Windows 10 now lets the OS draw the window frame, which allows for a more native L&F.
- The Field Chooser context menu item has been removed from the grid control.
- Tab bar styles and theme combinations that inherit the default background color of the form for the header area will now inherit non-default background color as well.
- Add support for Sybase specific sql.ini setting EncryptPassword to control how passwords are sent to the database.
- Update Informix client to 4.1 and added support for 64bit version.
- Several global variables and functions have been moved to GAILBase.apl from the generated .NET Explorer wrapper APL. This will require you to re-import .NET dlls so that the wrapper is regenerated.