

# GENESYS 2.0 Service Pack 7

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To best serve our user community, Vitech releases a service pack 30 days after product launch with subsequent service packs released every 45 days thereafter with bug fixes and minor capability enhancements. Sometimes this results in a service pack that addresses relatively obscure or low impact issues. Such is the case for Service Pack 7. The most notable fix in SP7 includes an update to the address of our licensing server. Other bug fixes in SP7 are in the areas of filters, text editor, and import/export. Resolved bugs are grouped by area with a brief description of the main symptom observed.

If deploying service packs within your organization is difficult, you should review the issue descriptions below to see if they impact you before you install this service pack. If none of the issues are of interest, you may wish to bypass this service pack.

We will continue to incorporate capability enhancements throughout the service pack cycle. Many of these are driven by user suggestion, so we encourage you to share your ideas with us at [support@vitechcorp.com](mailto:support@vitechcorp.com) or on the community site at [community.vitechcorp.com](http://community.vitechcorp.com).

This service pack is cumulative and includes all changes previously released in Service Packs 1, 2, 3, 4, 5, and 6. Unless otherwise noted, the installation of SP7 is the only action required to resolve the problem.

SBI # GENESYS 2.0 SP 7 – Resolved Description / Notes	
<b>Import Export</b>	
7848	Unhandled exception when adding relationships to a project that has been imported and merged with another project. Message: A schema for the specified Id: (35 character ID) does not exist.
<b>Filters</b>	
7974	When filtering on a text value, all text after line breaks was not getting searched/filtered.
<b>Licensing</b>	
7911	After our IP address was changed, license server link needed to be updated.
<b>Text Editor</b>	
7970	Font dropdown list in text editor is not sorted alphabetically.

## Changes Included in Service Pack 6

Our developers continue their efforts to reduce the number of open bugs in GENESYS. Service Pack 6 addresses several relatively obscure or low impact issues. The most notable fix in SP6 includes improvements in the License Utility and fixes a critical bug with USB license key. Other bug fixes in SP6 are in the areas of diagrams, reports, and simulation. Resolved bugs are grouped by area with a brief description of the main symptom observed.

This service pack is cumulative and includes all changes previously released in GENESYS 2.0 Service Packs 1, 2, 3, 4, and 5. Unless otherwise noted, the installation of SP6 is the only action required to resolve the problem.

SBI #		GENESYS 2.0 SP 6 – Resolved Description / Notes
<b>API</b>		
7664		The EntityAttributeDefinitionConstants class contained several invalid constants for attributes of Issue which had been moved to Nexus in the baseline schemas.
<b>Diagrams</b>		
7374		Save Diagram As command does not work, clicking save has no effect with no errors displayed.
7252		N2 - Separator missing in Item entity if linked to multiple relationships.
7248		N2 - Alignment of Output entity text is inconsistent.
6116		Setting color properties does not update within nested constructs of an FFBD diagram.
<b>Licensing</b>		
7911		License activation server IP address has changed. IP address in app.config file is incorrect.
7910		USB hardware license device is not being detected when present. GENESYS now looks for a USB device first.
7261		License Utility was enhanced to label icons, add descriptive text and detect products automatically.
<b>Product\Schema</b>		
5140		If a relation's alias is set to another relation's name, you cannot change the second relation's alias. The error states that relation1 is already in use by relation2 as an alias.
<b>Reports</b>		
7378		If a report does not contain any figures or tables, only a blank page with a heading is produced.
<b>Simulation</b>		
7850		When a multi-exit branch is modified with the simulator running an unhandled exception occurs: "Value cannot be null."
7849		STOP button is not enabled when simulations are run in Deferred Rendering mode.
7796		When a simulator window is closed an unhandled exception occurs: "no scripts to compile."

## Changes Included in Service Pack 5

Our developers continue their efforts to reduce the number of open bugs in GENESYS. Bug fixes included in SP5 cover a range of GENESYS areas with emphasis on Reports and Simulation fixes. Resolved bugs are grouped by area with a brief description of the main symptom observed.

This service pack is cumulative and includes all changes previously released in GENESYS 2.0 Service Packs 1, 2, 3, and 4. Unless otherwise noted, the installation of SP5 is the only action required to resolve the problem.

SBI #		GENESYS 2.0 SP 5 – Resolved Description / Notes
<b>API</b>		
7720		Setting a Number Attribute via a script causes unhandled error.
<b>Diagrams</b>		

<b>SBI #</b>		<b>GENESYS 2.0 SP 5 – Resolved Description / Notes</b>	
7763		Constructs to add new entities (New Child, New Input, New Output, etc.) to diagrams from the diagram toolbox cannot be added to ProgramActivity and TestActivity element diagrams.	
<b>Import\Export</b>			
7716		Reports folder contents are not refreshed after an import to show imported reports in the root Reports folder.	
<b>Licensing</b>			
7662		License Utility lists the wrong GENESYS version as a product in Switch License mode.	
<b>Project\Data</b>			
7718		The Custom Rich Text Box (Description Attribute) supports .tiff images but does not allow .tif images.	
7766		Attributes for 'start date' and 'end date' are not being saved for ProgramElement or VerificationEvent.	
<b>Reports</b>			
7765		By default, the Folder band content is unsorted.	
7764		Folder band has inconsistent behavior. If a folder or a parameter containing a folder or collection of folders is selected in the "Folders" property, the band will not traverse subfolders of specified folders. However, if nothing is selected in the Folders property, then the band not only iterates through all folders in the project but all subfolders of each folder also. Since the entities band pulls all entities in each folder and all subfolders, this can result in the printing of lots of duplicated entities of the project makes use of entity folders.	
7757		When creating a new report, the report name dialog generates the error message "The name provided is not a valid type name" when spaces or periods are included in valid names.	
7759		Setting an entity band's SortBlock from a script doesn't change the sort order of the band's entities.	
<b>Scripting</b>			
7756		The Script Editor window opens in the background, behind the main GENESYS window.	
<b>Simulation</b>			
7797		Selecting/deselecting items from the Database Entities dialog does not add or remove entities from the timeline as it should.	
7795		The simulator has a flicker when running in Realtime Rendering mode.	
7794		Exiting the simulator while running in Realtime Rendering mode causes an unhandled exception.	
7589		Debugger window is displayed almost off the screen at a time when it should be hidden.	
<b>Web Server</b>			
7703		Web Interface Class selection does not reset entity selection when a different class is selected.	

## Changes Included in Service Pack 4

Enhancements for this service pack include an updated SQL Server Express version to support GENESYS on Windows 8.X operating systems.

Our development team continues efforts to reduce the number of open bugs. Bug fixes included in SP4 cover a range of GENESYS areas including general Project Data, Filters, and diagrams. Resolved bugs are grouped by area and include a brief description of the main symptom observed.

This service pack is cumulative and includes all changes previously released in GENESYS 2.0 Service Packs 1, 2, and 3. Unless otherwise noted, the installation of SP4 is the only action required to resolve the problem.

<b>SBI #</b>		<b>GENESYS 2.0 SP 4 – Resolved Description / Notes</b>
<b>Diagrams</b>		
6113		When changing an iterate's line coloring, the change for the DomainSet text and the top line are not updated dynamically.
5867		If selecting a script spec or number spec of type script to be shown on a node template, the description text is not shown.
<b>Filters</b>		
7658		Functionality and expected filter criteria for Target type filters is not clear.
7665		Selecting a different entity folder when a filter attribute has an invalid value causes GENESYS to shut down.
7704		While editing a Filter, changing between the "Equals" and "Between" operators, causes an unhandled exception.
<b>Licensing</b>		
7662		License Utility dropdown does not list all available products for the deactivation and mode switching functions.
<b>Packaging</b>		
7660		GENESYS installs but will not run properly on Windows 8.x operating systems due to the version of SQL Server Express provided within the GENESYS Installer.
<b>Project Data</b>		
4404		Cannot paste an image into a rich text field (RTF) attribute such as description.
7592		Unhandled exception occurs when users without delete privileges attempt to delete multiple entities at once.
7627		Runtime Error produced when pasting an image into a rich text field (RTF) already containing an image.
7628		Folder count in Project Explorer does not update dynamically after entities are moved to a new folder.
7705		Selecting a different folder when an attribute has an invalid value produces infinite error messages
<b>Reports</b>		
7593		When previewed, a null or empty report, generates the message "The document does not contain any pages." If the same report is run, an error occurs and the report will not run.
<b>Scripting</b>		
7519		GENESYS maintains a lock on DLL files in assembly reference scripts which prevents saving changes to scripts in Visual Studio.

SBI #		GENESYS 2.0 SP 4 – Resolved Description / Notes
<b>Simulation</b>		
6021	Within the Simulation window, the Find dialog does not open on the parent window.	
<b>Web Server</b>		
7703	Web Interface Class selection does not reset entity selection.	

### Changes Included in Service Pack 3

Simulation enhancements included are increased performance, reduced memory leaks, and an added option to display timeline updates real-time or upon simulation completion. These enhancements resulted in significant improvements in loading and execution times.

This service pack represents a planned team effort to reduce the number of open bugs dating back to the first release. Therefore, in addition to the Simulation enhancements we have resolved over 60 bugs in Service Pack 3. Areas where numerous bugs have been fixed include: Diagrams, Reports, Simulations and Project Data which includes migration and multi-user functionality. Resolved bugs are grouped by area and include a brief description of the main symptom observed.

This service pack is cumulative and includes all changes previously released in GENESYS 2.0 Service Packs 1 and 2. Unless otherwise noted, the installation of SP3 is the only action required to resolve the problem.

SB#		GENESYS 2.0 SP 3 – Resolved Description / Notes
<b>Admin Tools</b>		
2073	Provide a double confirmation before deleting projects.	
<b>Diagrams</b>		
7554	An entity's context menu "Open Entity" item shows all diagram types as available regardless of whether or not a diagram applies to the entity.	
7552	If the diagram entity navigation pane is unpinned but open, its context menu is unusable.	
7551	The diagram toolbox remains open if undocked and the user navigates away from the diagram.	
3989	Removed Toolbox option to display as Tabbed.	
3777	Improved performance when redrawing larger diagrams.	
6728	Selection of an element includes the element and the entire branch, when it should include the element and main section of the branch only.	
5975	Selection box in Activity diagram gets cleared after reorder branch.	
5245	Selection box is being cleared after paste at end of main branch in EFFBD diagram.	
7198	Triggers & Outputs overwriting each other in Sequence Diagram.	
7584	When placing multiple exits inside the select construct an unhandled error occurs.	
<b>Filters</b>		

<b>SB# GENESYS 2.0 SP 3 – Resolved Description / Notes</b>	
4919	If attributes are renamed or removed from a project schema, they are not properly cleared from any selected entity filters.
5611	Filters content is not updating for all users when multiple users are creating or updating filters.
<b>Import Export</b>	
7542	Wrong product referenced when exporting Project Baseline from GENESYS.
6033	Corrected screen refresh during import to update only upon completion of import.
5319	Closing GENESYS with jobs in Job Monitor queue may cause System.Invalid.Operation.Exception error occasionally.
<b>Packaging</b>	
6663	After a fresh install on XP, GENESYS Service will not start because SQL database is not present.
<b>Preferences</b>	
3613	Removed Suppress Revision Display since feature has not been implemented yet.
3610	Removed Show Subfolder Elements from Preferences as this functionality is not yet implemented.
<b>Project</b>	
7522	CustomRichTextBox Control – Setting flag for Report options does not get saved unless text is edited.
7518	After the Project Explorer has been undocked, folders can no longer be managed.
7514	An attribute being edited by one user may lose an update and be replaced by the edits of another user.
5803	Deleting multiple entities may not correctly update the view to all users in a multiple user environment.
5802	An error is reported when a user deleted an entity which was being viewed in an open diagram.
5599	Multiple users creating new projects at the same time may cause an error.
5606	If multiple users add a target to a relationship at the same time, some of the users may get errors.
5605	If multiple users are looking at a versioned entity while one user restores a previous value the other users sessions are not updated.
2079	Creating a new project while importing a project may cause GENESYS to stop working.
7549	An unhandled exception is received when setting an unresolved path for a reference spec followed by editing the attribute.
7548	Unable to clear reference spec value once it is set for an attribute.
7547	Error message "The undoable operation did not contain the proper undo information." is displayed when viewing or updating a reference spec attribute.
5823	Tab control - Shift tab does not tab backwards in fields.
5617	When the last modification date changes on an entity, an open property sheet is not updated dynamically.
5492	NumberSpec Constant is not converting to other appropriate attribute types.
5491	Attributes are not converting from Date to DateTime.
5489	Attributes are not converting from Boolean* to Text - *all types are not converting to Text.
5487	After editing the schema, the Facility is reset to Systems Engineering instead of returning to the Facility in view before the edit.
5329	Relationship attributes of type ReferenceSpec are displayed as Vitech.Genesys.Core.Common.ReferenceSpec.

<b>SB#</b>		<b>GENESYS 2.0 SP 3 – Resolved Description / Notes</b>	
6643		Logging out with multiple repositories active closes all repositories instead of only current repository.	
<b>Schema</b>			
7585		Schema not properly locked during edit causing an unhandled exception instead of a warning message.	
7586		Removing a relation after a class is deleted causes an Unhandled error - Unable to find entity.	
5879		Within Text Editor the read only text view display is cut off and there is no scroll bar.	
5869		Improved consistency of all browser focus behavior after deleting an entity.	
5486		Scrolling within a list of attributes in Class browser, caused the property sheet to opening unexpectedly.	
<b>Reports</b>			
7521		Removed unneeded properties from the property grid for bands.	
7516		RTF formatting controls were not generated for report output.	
7515		Revised labeling to correctly display Report Options.	
7511		Content in the Entity field on entities band not showing up after save/load.	
7510		Add capability to clear Entity field on entities band.	
7509		Unexpected results when selecting single entity on entities band.	
6368		Display name of currently selected Subreport during edit.	
<b>Scripting</b>			
7553		In the script editor, if a class or interface is renamed it can no longer be deleted or brought into focus.	
7590		When only setting a breakpoint in Script Editor, the breakpoint is not saved.	
7520		Referencing an assembly keeps the dll in use until GENESYS is closed.	
<b>Simulation</b>			
7582		Closing the Simulator without running a simulation causes Unhandled Error.	
7588		Timescale minor increment reports invalid value, but does not alert user to valid values.	
7587		Changing Timescale minor increment value will save an invalid value without notifying the user.	
7580		Simulator message window stays persistent in some scenarios.	
7482		Selecting the Debug icon does not open the Script Debugger window.	
7390		Performance of simulator in GENESYS significantly below current standards.	
5607		Resetting a simulation is very slow.	
5562		Memory is not properly managed when running Simulation.	
<b>Undo Redo</b>			
7559		Entries in Undo menu are truncated but in the Redo menu they are not.	
6696		Cleaned up menu width to use previously unused space.	

## Changes Included in Service Pack 2

Service Pack 2 includes a number of bug fixes to improve the user experience and consistency of the GENESYS application. Resolved bugs are grouped by area and include a brief description of the main symptom observed. This service pack is cumulative and includes all changes previously released in GENESYS 2.0 Service Pack 1. Unless otherwise noted, the installation of SP2 is the only action required to resolve the problem.

SB#	GENESYS 2.0 SP 2 – Resolved Description / Notes
<b>Admin Tools</b>	
6035	When changing passwords, a mismatch in new passwords caused Current Password field to be cleared.
6046	Login data was being cleared when repository was changed.
6108	Inconsistencies between button menu and context menu functionality.
<b>API</b>	
4248	Plain text constructor not properly converting carriage returns.
7070	Entity created with script doesn't update or refresh Project Explorer.
<b>Diagrams</b>	
5925	Viewing Diagrams caused memory usage to increase and not get released, causing performance issues.
5891	When headers or footers are turned off, the space they would use is still displayed as if it is reserved.
5192	Hierarchy diagram should be based on Class default if user does not specify a definition.
7487	Item nodes in N2 diagram coloring is wrong in non-Windows7 operating systems.
7483	Use Case diagram does not show classes from schema extensions.
<b>Import Export</b>	
6364	Reports list was not getting refreshed after a report was imported.
5320	If the Job Monitor list is sorted by other than default (submitted time), the next time a job runs the sort is changed back to the default order.
6662	Export button is enabled if no project is selected and appears to work, but no output is produced.
6685	The Open Project file name is used as the exported file name instead of the name of the project file selected for export.
<b>Licensing</b>	
7488	Vitech Registration error messaging was too generic.
<b>Packaging</b>	
7506	Help file contains a reference to the wrong product.
6141	Some diagrams in sample projects have overlapping text, poor alignment of diagram entities and labels, and are not of sufficient size to display the full name of the entity.

<b>SB#</b>		<b>GENESYS 2.0 SP 2 – Resolved Description / Notes</b>	
7512		Empty project fields in sample projects provided.	
<b>Project</b>			
5385		Show Relationship Attributes in Preferences does not work as expected.	
6669		Database - Jump to Target dropdown list has duplicates.	
5800		When reducing the size of the Project Explorer windows below a certain size, the scroll bar disappears.	
6718		Drag Relation setting does not alert user if a recursive relation will be created.	
5188		In Project Explorer, changing the sort type used in the relationship targets window causes the preference, Expand Relationship Attributes by Default, to be ignored.	
5330		Errors generating multiple error messages should be sorted by Class then Name.	
6431		In Project Explorer, changing the selected entity fails on first attempt if an attribute was changed in the property sheet.	
3559		Drag-drop of multiple entities does not work as expected.	
<b>Reports</b>			
6698		Report Designer may lose focus on launch causing an Unhandled Exception error.	
<b>Scripting</b>			
7507		When adding a reference to another script in the script editor, a .Net exception occurs.	
7508		Cannot add reference to assembly.	
7481		Upon closing, the Script Debugger occasionally will briefly flash an exception screen.	
<b>Simulation</b>			
7485		Horizontal scroll bar is not being displayed when content extends outside the viewing area.	
7486		Timeline bounces back to the far left when the divider is moved to the right side of the simulator.	

## Changes Included in Service Pack 1

Service pack 1 includes a number of bug fixes to improve the user experience and consistency of the GENESYS application. Resolved bugs are grouped by area and include a brief description of the main symptom observed. Unless otherwise noted, the installation of SP1 is the only action required to resolve the problem.

SB#	GENESYS 2.0 SP 1 – Resolved Description / Notes
<b>Admin Tools</b>	
7431	Admin Tools - new user not listed in "All Users" group.
<b>Diagrams</b>	
7475	Hierarchy Definitions - invalid options display after adding certain target classes.
7067	Internal Flow Block - long text strings overflow the presentation area.
7400	Package - selecting Layout Diagram shifts diagram down and to the right each time it is selected.
7189	N2 – missing options for Show External Items and Grid Representation.
6680	Physical Block - labels not being maintained.
7401	Diagrams/Physical Block - odd behavior of alignment command.
7478	Spider - cannot view spider diagrams when logged in under 1.x user.
7474	Spider - stored view not saving proper node states.
7469	Spider - unhandled exception when deleting a New Function.
7437	Spider - dynamic updates not working when new relationships created.
7198	Sequence - Inputs & Outputs overwriting in Sequence Diagram.
<b>Import</b>	
7480	Users and Groups - after exporting then deleting an empty group, all users are added to the group when reimported.
7479	Re-importing a user or group which was deleted does not reinstate user/group.
7434	Schema Migration - migrating a project schema will randomly fail with numerous entity name not found conflicts.
<b>Licensing</b>	
7433	Error when browsing for C2V file during license update.
7395	Minor bug in License Utility listing both .v2c and *.v2c.
<b>Packaging</b>	
7429	GENESYS graphic needs to be updated to GENESYS 2.0
7428	GENESYS home screen needs to be updated.

<b>SB#</b>		<b>GENESYS 2.0 SP 1 – Resolved Description / Notes</b>	
7473		What's New file is missing in 2.0 installers.	
<b>Project</b>			
7412		Migrate Schema into existing project is enabled without a file specified.	
7441		Data PUID Wizard - Command is not accessible if logged in with any account other than Administrator.	
<b>Reports</b>			
7421		SSS - List of Tables is not number sequentially.	
7436		Duplicate diagrams should contain a unique figure number in List of Figures.	
7477		Extra spacing in TOC.	
7127		SDD - Figure titles not on same page as figure.	
7435		SDD - Section 1 by Component should remove duplicates per requirement.	
7427		SDD - Use Case diagrams are missing Figure ## in List of Figures.	
7388		SSS - Report header has different dates on TOC, LOF, LOT pages than dates on cover and content pages.	
7420		SSS - List of Figures out of sequence.	
7419		SSS - Section 1.3 in not picking up Document Overview attribute, new to Base Schema 2.0.	
7422		SSS – Some sub sections in Section 3.2 contents are not listed in TOC.	
<b>Scripting</b>			
7470		Script browser content is not updating to show imported scripts until the user clicks off the scripts folder and back onto it.	
<b>Simulation</b>			
7391		Saving timeline as image captures only the visible part of the window.	
7392		Simulator results scrollbar does not scroll left column, only right.	
7393		Vertical scroll bar moves but does not update content in either column.	
<b>Web Server</b>			
7416		Interface diagrams should not be available on the Performer class.	
7414		New diagram types are missing icons.	
7415		Package diagram should be available for the Category class.	