GENESYS 3.0 Service Pack 5

1 December 2014

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. Service packs contain bug fixes and minor capability enhancements. Resolved bugs are grouped by area with a brief description of the main symptom observed.

This service pack includes enhancements to our DOORS[i] connector feature alongside several minor corrections. The DOORS Connector now supports roundtrip updates, allows users to login to their DOORS repository directly from GENESYS without having to separately log into their DOORS Web Access account, and other minor enhancements improving the overall connector workflow. The most notable bug fixes addressed in this service pack are in the area of diagrams. A detailed description of the issues resolved can be found below.

Given these corrections and the enhanced DOORS connector feature, Vitech Corporation recommends that GENESYS 3.0 users install this service pack. However, if deploying service packs within your organization is difficult and you are content with our existing DOORS Connector feature, we advise you to review the issue descriptions below before installing 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 or on the community site at community.vitechcorp.com.

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

SBI#	GENESYS 3.0 SP5– Resolved Description / Notes
Enhancements	
1	Improved the performance of the DOORS connector feature and integrated the following feature updates: i. Roundtrip updates. ii. DOORS Web Access login process integrated within GENESYS.
General	
3864	Script Spec attributes do not display the creation and modification time stamps.
8220	Unexplained Exceptions (Variations, Threads, Command center, Workstation, Externals, Templates and Threads) seen in the import conflicts dialog while importing into existing projects.
5485	During migration, changing an attribute type to enumeration does not set the initial value.
8219	Removed the "modify" option from the installer because there are no options to change on an installation.
8312	The entity count on folders in a Project explorer does not update as expected after a change in permissions when concurrent sessions are open.
Diagrams	
8322	The edge labels are not centered after a layout change. Seen in all diagrams.

SBI#	GENESYS 3.0 SP5– Resolved Description / Notes
8314	The edge labels overlap after being resized. Seen in all diagrams.
8316	The Functional N2 diagram does not treat items as internal if they resolve to a descendant of a function on the diagram.
3644	The focus does not remain on the diagram after insertion from the diagram toolbox. Seen in all diagrams.
8324	On a block diagram, deleting a node with multiple connections to externals results in error: "Object reference not set to an instance of an object".
8566	On a block diagram, deleting a node with multiple external connections does not remove the external node and connections.
8407	In Functional diagrams, the line color properties for entity nodes with multiple exits are not being applied.
5257	Keyboard input to navigate and select colors from the color picker not working as expected.
Server	
8321	If a project on a remote server is exported without first being opened, the user receives error "Unable to get repository. You must log into the repository first."

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[i] DOORS® is a registered trademark of IBM, and is in reference to IBM® Rational® DOORS®.

Changes Included in Service Pack 4

Service pack 4 includes a report enhancement alongside several corrections, most of which are minor. The report enhancement updates the System Definition Document (SDD) to add a section for States and Modes and expands the Interfaces and Links section to include a Hierarchy and Definition section to report the decomposition of the entities. We added a Requirement Hierarchy Diagram at the beginning of the requirements sections. In addition you may note that we have improved the performance of our SDD reports making them run faster. The most notable bug fixes are in the area of diagrams.).

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

SBI#	GENESYS 3.0 SP4– Resolved Description / Notes
Enhancements	
1	Improved the performance of SDD reports while adding the following new sections: i. 6.1 States and Modes Hierarchy ii. 6.2 States and Modes Definition iii. 11.1 Interface Hierarchy iv. 11.2 Interface Definition v. 11.3 Link Hierarchy vi. 11.4 Link Definition
General	
8284	The 'All relationships' relation context menu appeared active.
8317	Error: "The Text data is too large. Please reduce its size" seen when the text editor maximum size is exceeded.
Diagrams	
8398	The diagram title bar incorrectly displayed the Properties title, if accessing the entity for the first time.
8121	Fixed inconsistencies with selecting the Show label check box from the Custom Hierarchy Definition dialog.
8320	The edge labels in Hierarchy and Sequence diagrams appeared to be movable.
8332	The node properties of shapes and notes in Functional (FFBD, EFFBD and Activity) diagrams could not be changed.
8326	The edge labels for Flow Internal Block diagram displaying the Item flow were not dynamically updating changes to the Item's name.
8318	Error: "Object reference not set to an instance of an object" seen while deleting an external node connected to other nodes in a Block diagram.

SBI#	GENESYS 3.0 SP4– Resolved Description / Notes
8248	Target and Source ports information in Block diagrams were sometimes swapped resulting in the orthogonal edges to appear skewed.
8418	Error: "An item with the same key has already been added" seen on a spider diagram when adding a new connection between two nodes that already share a relation.
Excel Connector	
8319	Added more information on errors seen while saving the data in GENESYS with the focus still on a changed cell.
Reports	
8176	Error: "System.NullReferenceException: Object reference not set to an instance of an object." seen while setting invalid data fields for parameter entities in the report designer.
Sample Files	
8453	The external files were missing for SAMPLE: Tactical Image management System project.

Changes Included in Service Pack 3

Service pack 3 includes enhancements allowing control of the shape and size of edge labels in diagrams and an enhanced rich text control in our report framework. Our most significant bug fixes were in the area of diagrams and utilities (Sort Block and Filters).

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

SBI#	GENESYS 3.0 SP3 – Resolved Description / Notes
Enhancements	
1	User control has been enabled to set the size and length of edge labels in diagrams. The edge labels can now be sized to wrap over multiple lines or to cut off the display with a trailing '…' if the text of the label is larger than its size. This immensely improves the readability of diagrams.
2	Enhanced Z-order controls, with node lines/edges and the different construct boxes in diagrams available for z-order positioning.
3	Entity representation binding has been enabled for Report RTF control. This has enhanced the rich text control of entity representations in Reports.
General	
8083	The formatting options for a RTF text fields were not getting reflected as expected in the report output.
8247	Error: "The design integrity checker script isn't set or wasn't found" while using the Diagnostics Error filter when the Design Integrity Checker script attribute was not set.
8249	The Excel and DOORS connector assembly files were not reflecting the correct version number after an upgrade.
8311	SortBlock: Sort blocks 'Concern Importance' and 'Risk Factor' were not updated when attributes were changed in Version 3.0. 'Concern Importance' now references attribute 'Importance.' 'Risk Factor' has been renamed to 'Risk Rating' and references attribute 'Risk Rating.'
Diagrams	
8098	The edge labels in diagrams could not be split across multiple lines.
8055	The edges/node lines were not visible when using an image as background.
8062	The construct box in UseCase diagrams were not following the selected z-order.
8244	Bends in edges were created outside the diagram frame when external nodes were moved in a block diagram.
8315	Repositioned empty construct branches in the FFBD, EFFBD, or Activity diagrams were not getting saved.
5982	The exit branches from a node did not maintain their orthogonal layout when moved up or down in an FFBD, EFFBD, or Activity diagram.

SBI#	GENESYS 3.0 SP3 – Resolved Description / Notes
8118	Connections with one end free were not maintaining their layouts in block diagrams.
DOORS Connector	
8280	Error: "Object reference not set to an instance of an object" when no valid package was selected in the DOORS export wizard.
Excel Connector	
8173	Simplified the service connection error message to explicitly state that the GENESYS service on the host machine should first be started to allow Excel to access data from GENESYS.

Changes Included in Service Pack 2

Our developers continue their efforts to enhance the GENESYS experience and also reduce the number of open issue. SP2 includes 3 major enhancements along with some bug fixes. The biggest feature enhancement in this SP includes, the maintenance of style and layout during diagram manipulation and adding the 'All relationships' option to entity property views. The most significant bug fixes address fixing the undo/redo actions in relationship pane and edits to notes and shapes to be saved as expected.

This service pack is cumulative and includes all changes released in Service Pack 1.

SBI#	GENESYS 3.0 SP2 – Resolved Description / Notes
Enhancements	
1	'All relationships' option added in the relationships pane to quickly list/access all the relations of the entity under consideration.
2	Transforms icon added to the ribbon in the Diagram tab. This provides the user with the following functionalities: Mirror on the X (or) Y axis, Rotate 90°, Special edge routing. This feature is available for all free-form diagrams: Spider, Interface Block, Internal Block, Physical Block, and State Transition.
3	A 'Use Orthogonal Lines' option added for the free-form diagrams which will ensure the connection edges maintain their orthogonal layout. With this option selected the node connections maintain their orthogonal layouts even when nodes are moved around.
General	
8164	The GENESYS window could not be moved by clicking and dragging when it was at maximum size.
8217	Removed unused dialog box launchers from Diagram ribbon.
8053	Added the names of any missing attributes that result in conflicts during Import to the conflict messages in the Import /Export wizard.
Diagrams	
8236	Edits to Note and shape text were not getting saved.
8213	Error: "Value cannot be Null" when using F5 to refresh diagrams.
8170	Adding an exit to the diagram opened a multi-select dialog.
Permissions	
8239	Error: "User does not have sufficient privileges to update this folder" when a user with insufficient permissions tried to move a folder.
8241	Project property controls appeared enabled when a user had "read only" permissions.
Project/Data	
8183	Dynamic updates not enabled when automatic color option was selected.

SBI#	GENESYS 3.0 SP2 – Resolved Description / Notes
8223	The in-dent and out-dent icons on rich text box editors did not match windows standard.
8240	Node image disappeared when other properties were changed.
8246	Format options for Reports in rich text controls were not getting saved.
8222	Error: "Cannot be an empty Guid" when the description field of a script selected in a script spec was modified and closed.
8221	The Undo/Redo icon is disabled after deleting an entity from the relationship browser.
Sample Files	
8151	RTF and non-RTF fields in the sample files were not using the same fonts.
8192	Error: "Exception has been thrown by the target of an invocation" in accessing "JTF to BGE Intel" interface entity in Sample: Tactical Image Management (DoDAF v2.0).
8181	Error: "GENESYS services encountered a problem while processing your request." when turning on versioning for Sample: Tactical Image Management (DoDAF v2.0).
Schema	
8178	Renamed the consistency checker in schema mode to include the word 'Schema' to avoid confusion with the database diagnostics.
8189	When merging two schemas where the importing schema class change contained a different set of attributes than the current schema, the attribute order was not imported and merged.
Session	
5595	The session limit error messages needed to be modified to make them more explicit.

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.

SBI#	GENESYS 3.0 SP 1 – Resolved Description / Notes
General	
8167	External File Path hyperlink goes offline when you click off the entity and come back.
8106	Entity attribute value editors with focus cannot receive a version update.
8103	Parameter definition names with double opening ('[[') or double closing (']]') brackets in them are not being detected as invalid.
8153	Registration - Name field does not allow apostrophe (') as a valid character.
8112	System Tray - When GENESYS 3.0 detects an existing GENESYS System Tray application running, it does not start and no information is provided to help the user identify or resolve the issue.
8111	System Tray - there is no way to distinguish between GENESYS 2.0 and GENESYS 3.0 system tray applications running in the system tray.
8113	System Tray - GENESYS 3.0 System Tray will not start if GENESYS 2.0 System Tray is running
DOORS Connector	
8099	During import into GENESYS, entities with Object Text as Names are created instead of using default names. This could cause naming conflicts.
8101	The GENESYS ID and name fields are not being reflected in the DOORS module after export.
8109	Allocated to Component field not getting updated in DOORS after export.
8110	Unformatted DOORS module is receiving the GENESYS data during export.
8174	GUID, name, and relationships data not getting updated in DOORS after export.
Diagrams	
Enhancement	Hierarchy and Spider Diagram - Add "show relationships" as a diagram-level option for spider and hierarchy diagrams.
8126	General - When editing text in Notes or Shapes, the cursor is not placed in the text area by default.
8114	General - Double-clicking a class in the diagram tool box "All Entities" tab does not create a new entity.
8122	Requirements Diagram - Missing Document class in Key Entities.
7659	Hierarchy and Spider Diagram - Choosing a spider or hierarchy view for a Requirement entity throws an error.

SBI#	GENESYS 3.0 SP 1 – Resolved Description / Notes
8162	Hierarchy - Add show relationships as a diagram level option.
8171	If a user tries to delete an essential Node template, the message should be worded consistently with other informational messages and not contain the word Error.
8177	State Transition - When connecting states via a transition, a Null reference exception – "Object reference is not set to an instance of an object" occurs.
8072	State Transition – Node Template is not updating when adding new incorporates targets.
8160	State Transition - Events of type "Signal" should not display parentheses unless a condition is specified.
8161	State Transition - Removing a transition causes error "Value cannot be null."
8097	State Transition - Nodes should have edge connected to center by default to improve default edge and label placement if node is moved.
Excel Connector	
Enhancement	The Excel connector displays relationship targets separated by commas; changed to display them separated by line feeds for readability.
Licensing	
7913	Activation Wizard Step 5 message "Please wait... You will be notified when the activation is complete" is shown before user selects activate.
Project/Data	
2081	Disable OK button when there is no text in the Name field for a new project.
8184	Entity properties sheet / Property tab - dynamic update not occurring when Node Image deleted.
8190	Entity properties sheet / Property tab – provide message when user tries to delete the node image if the image is the default image.
8107	IValueEditor - Unexpected behavior when an IValueEditor control is in an invalid state.
6019	Project Explorer – Moving entities between folders appears slow.
6697	Ribbon - Text Color and Highlight buttons appear active when no text is selected.
Reports	
7555	When creating a report in the report designer with a report parameter to be multi-select, the objects are not being picked up by the reporting framework after being selected by the user.
Scripting	
8127	When adding an assembly reference to a script get error "Value cannot be null." NOTE: Adding script assemblies to a GENESYS script has some limitations such that not just any assembly can be added to a GENESYS script. One must consider version, platform, and valid .NET assemblies.

SBI#	GENESYS 3.0 SP 1 – Resolved Description / Notes
8128	Unhandled error "The path is not of a legal form" occurs when trying to remove a script reference.
8116	Script browser dialog tree may display scripts from more than one repository.
8115	Script browser window throws error "Unable to get repository. You must log into the repository first." if a prior repository had been opened.
8102	ScriptReferenceSelectionDialog throwing error "Unable to get repository. You must log into the repository first." when accessing repositories.
Sessions	
8096	When exiting GENESYS 3.0 with the Stop Windows Service box checked, the GENESYS service (Genesys3collaborativeSvc) is not getting stopped.
Simulation	
8149	Closing the simulator after a script error causes error "There are no scripts to compile; The script assembly was not created."
8084	When saving the timeline in a simulation, get error "Not enough memory for temporary image."