

CORE 9 Service Pack 1

15 July 2013

In order to best serve our user community, Vitech releases the initial service pack 30 days after product launch with subsequent service packs released every 45 days thereafter to resolve errors identified and add minor capability enhancements. With CORE 9, there is an added emphasis on incorporating minor (and sometimes not so minor) capability enhancements throughout the service pack cycle. Some are pre-planned; some will be ad hoc opportunities. Some are driven by internal Vitech insights; many will result directly from inputs and suggestions from our user community.

This first service pack resolves a few lower priority items identified during the final stages of the CORE 9 pre-release activities as well as those errors encountered in the first month of release. In addition, service pack 1 includes six minor enhancements: two extending and leveraging the new diagnostics framework, one increasing the visibility of cross-project relationships, one to report (or auto-create) implied connections based upon the decomposition hierarchy, one expanding the library of pre-defined tables for quick output, and one custom diagnostic report for projects using PUIDs.

Reference	Description	Resolution / Notes
Enhancement – Extending the Consistency Checks	In adopting a model-centric approach, value comes from capturing the model to share and communicate with others, but the greatest value comes from exercising and exploiting the model. To further leverage the diagnostic framework embedded in CORE 9, service pack 1 includes 5 additional consistency checks relating to item transfers across links, capability mappings, and the subject for use cases. In addition, 12 new consistency checks have been added in the areas of link decomposition, interface decomposition, behavioral allocation, starting states, and change request numbering.	Install service pack 1. Because the consistency checks leverage the scripting framework to complement the embedded completeness checks, you can extend the checks yourself. If there are checks you believe would be valuable, please let us know by sending us an email at support@vitechcorp.com or suggesting them at community.vitechcorp.com .
Enhancement – Reporting the Diagnostic Results	Within CORE, you can browse the diagnostic results for a given element by looking at the diagnostics tab on the property sheet. Within a folder or a package, you can use the Diagnostic Errors filter to see which elements have completeness or consistency issues. With service pack 1, we have added a simple Diagnostic Results Report available to output all elements with diagnostic errors along with the specific issues associated with each element.	Install service pack 1. Additional report formats to package the diagnostic results will be included in future service packs to deliver additional value.
Enhancement – Marking Cross-Project Nodes on Diagrams	With the introduction of cross-project relationships in CORE 9, the boundaries between projects can be largely transparent, if desired. With diagrams possibly representing elements from multiple projects on a single view, CORE 9 now places a small box in the lower-left corner of elements that reside in a different project than the root project for the diagram. This provides the user a subtle indicator that is intended to be informative without distracting or creating confusion for a greater audience.	Install service pack 1.

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Enhancement – Identifying (and Creating) Implied Connections	<p>In the v90 variants of the schema, the connection classes (Interface, Needline, and Link) are decomposable. This gives your project the ability to aggregate and decompose in parallel with your physical hierarchy. As project teams migrate to the v90 schema, you will see that the connected thru / joined thru relationships (which represented a fixed, automated decomposition) are no longer computed. This means that connections established at a lower-level of your decomposition are not automatically reflected at the top-most layer of your model.</p> <p>For those teams who would like to report and even auto-generate implied connections at higher levels of your model based upon lower-level connections, a new Identify Implied Connections report has been added to the Utility folder. This report will generate a listing of all implied connections and will optionally create them for you resulting in a computed decomposition hierarchy of your orphaned Interfaces, Needlines, and Links.</p>	Install service pack 1. When leveraging this utility report, it is highly recommended that you first run the report without auto-creating the connections to assess the impact.
Enhancement – Three Additional Default Table Definitions	<p>The export wizard introduced in CORE 9 makes it easy to quickly define and generate custom tables with any degree of complexity to represent any data you wish in a tabular format. While the ability to define custom tables is key to meeting your specific needs, there are many tables that are largely universal. Over time, Vitech expects to incorporate additional default tables for quick access. Three new tables are included in service pack 1:</p> <ul style="list-style-type: none"> • Requirements – a basic requirements listing showing requirements in hierarchical order with descriptions and parent requirements; • Requirements Traceability – a summary table showing requirements in hierarchical order with descriptions, traceability to the model, and corresponding verification requirements; and • Requirements Flow Down – a listing of all requirements including the requirement description, its children, the elements it traces to, and the description of the corresponding elements. 	<p>Install service pack 1 to leverage these new tables. Alternatively, you can simply define and save these tables (or others) yourself.</p> <p>If you have table definitions you believe would be valuable to the greater community of CORE users, we encourage you to share them with us at support@vitechcorp.com or directly with the community at community.vitechcorp.com.</p>
Enhancement – Reporting Duplicate PUIDs	With CORE 9, all of the reports dealing with document PUIDs (project unique identifiers) were completely rewritten to streamline their use and leverage the new CORE framework that allows certain attributes to be locked against change once they are set. Service pack 1 includes a new report (Check for Duplicate PUIDs) that outputs a simple document reflecting any duplicate identifiers in the project.	Install service pack 1.
436 – Export local project when connected to a server	If you are connected to a server you get an error when you attempt to export a local project.	Install service pack 1. If you do not have service pack 1, logout of the server and login locally to export the project.

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432 – N2 Items and Links Repeated when Using Cross-Project Relationships	If a cross-project relationship is shown on an N2 diagram, the connector is shown both as an internal and external connection. This is true for the traditional functional N2 diagram as well as the physical and interface variants.	Install service pack 1. If you do not have service pack 1 installed, toggling off the display of externals on the N2 will hide this issue.
431 – Handling User Registration when Logging into a CORE Server	With CORE 9, users are given the option to register with Vitech upon their first launch. From this dialog, you can choose to register, be reminded later, or skip registration altogether. These behaviors work properly when logging in to a local repository. However, if you log into a CORE Server, regardless of which option you select – register, defer, or skip – you are prompted to register again the next time you launch.	Install service pack 1.
430 – Maintaining the Last Spider Diagram Definition	CORE transparently maintains the default hierarchy definition to be used for spider diagrams on a per-class basis. When you open a spider diagram, this is the definition used to determine what relationships are shown. Though CORE maintains the information, it fails to export this as part of your user settings.	Install service pack 1.
429 – Error Exporting Diagram including a Diagram Information Block	CORE 9 introduced the diagram information block to display any combination of attributes and relationships on a diagram in a property-sheet style view. In inserting and manipulating this new construct, it is possible to have a diagram information block with a nil ID. When this occurs, a soft error is reported on export.	Install service pack 1. If you encounter this error before installing the service pack, you can choose to continue the export. This will exclude the specific diagram styling from the export, but no data will be lost.
428 – Error Opening an ER Diagram	If you attempt to open an ER diagram, you receive an “id not understood” error.	Install service pack 1.
427 – RTM Header using A4 paper	The RTM table header contained incorrect settings which caused an error when output using A4 paper.	Install service pack 1.
425 – SSS Formal Document error	When running the SSS a benign error appears in the transcript.	Install service pack 1. This error can be ignored.
424 – CORE Import Aborts if an Element ID Cannot be Resolved	If you are doing a full project import (as opposed to a changes file) and the file contains an ID for an element that does not exist and cannot be created, you receive a “structures not understood” error. In general, CORE will successfully create an element to correspond to the ID. However, if an element by that name already exists, the ID will be unresolved, and the error will occur.	Install service pack 1.
423 – Icon Template Separator Information Lost on Import	When using a separator on an icon template, the separator type (dot, dash, solid) is exported but not imported. The result is that all separators imported revert to solid lines.	Install service pack 1.
422 – Command to Access Conflict File Disabled for Server Imports	If you have an import on a server that ends with a conflict file, after you close the conflict file you should be able to open it again using a command in the Job Monitor. That command is grayed out.	Install service pack 1. Alternatively, the conflict file is stored on the server. You can navigate to it directly if you have access to the server file location.

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421 – Diagram Frame Can Overlay Content on Interface and Physical N2	There are two circumstances under which the diagram frame on an interface or physical N2 diagram can overlap the diagram content. First, when using the grid representation, the top of the frame overlaps the top row of the grid. Second, if external connections are toggled off, the frame overlaps the bottom of the N2 diagram. Neither of these errors occur on the functional N2 diagram.	Install service pack 1.
420 – Element List Color Does Not Change when Filter Applied	In order to better highlight that an element list is filtered, CORE 9 introduced an option to change the background color of the element list when a filter is applied. If you select a filter from the drop-down at the top of the element list, the color changes corrected. If you apply a filter via the Edit Filter command as opposed to the filter drop-down, the element pane background color does not shift.	Install service pack 1.
419 – ViewRegistry Error when Closing a Project	In CORE 9, you can establish a cross-project relationship either via drag-drop or by selecting a different project from the project list at the bottom of every element selection list. When doing the latter, if you have selected a different project in the element listing on a palette and then close that project, you receive an error regarding the view registry for the project which was closed.	Install service pack 1. This error may result in additional error messages, but there are no negative side effects. The error is automatically cleaned up when you close and reopen CORE.
418 – Project Selection Drop Down Missing from Selection Window	The selection dialogs used when adding a domain set to an activity diagram / EFFBD and setting the subject of a use case diagram do not include the project drop down required to specify an element from another project.	Install service pack 1. Alternatively, the use case subject can be set by editing the describes relationship for the UseCase. Establishing a cross-project relationship for the domain set requires this change.
416 – Actor Positioned Outside Diagram Frame on Use Case Diagram	It is possible for an actor to be shown outside of the diagram frame on a use case diagram. This occasionally occurs for actors that have been automatically added to the diagram and not manually repositioned. As soon as you attempt to move the actor, it jumps within the diagram frame and is then properly positioned going forward.	Install service pack 1.