

CORE 8 Service Pack 12

15 July 2013

Due to additional capabilities incorporated at the end of the CORE 9 development cycle, additional changes are required for CORE 8 to import CORE 9 projects without error. These additional changes have been packaged as a final service pack for CORE 8.

Because service pack 12 is the last service pack planned for CORE 8, we recommend all projects and organizations install this service pack independent of any specific issues listed below. Installing service pack 12 will ensure your team has the optimal configuration for CORE 8. Just as important, it will ensure your team can receive and load CORE 9 projects without error. CORE 8 cannot leverage the enhancements and expanded model present in CORE 9, but with this service pack, teams using CORE 8 can import CORE 9 data files.

This service pack is cumulative and includes all changes released in service packs 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11.

Description of Changes Included in Service Pack 11

With service pack 11 the last service pack planned for CORE 8, we recommend all projects and organizations install this service pack independent of the specific issues listed below. Installing service pack 11 will ensure your team has the optimal configuration for CORE 8. Just as important, it will ensure your team can receive and load CORE 9 projects without error. CORE 8 cannot leverage the enhancements and expanded model present in CORE 9, but with this service pack, teams using CORE 8 can import CORE 9 data files.

This service pack is cumulative and includes all changes released in service packs 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10.

Reference	Description	Resolution / Notes
Enhancement – Importing CORE 9 Data Files	With CORE 9, Vitech will introduce new capabilities and extend the underlying data model. Projects can migrate from CORE 8 to CORE 9 seamlessly and without any data concerns. With this enhancement, CORE 8 can import XML files generated by CORE 9 without error. New extended data leveraged in CORE 9 will be reported as conflicts with all other data loaded without loss.	Install service pack 11.
377 – Error in Opening Oversized Diagram	When opening a diagram that exceeds the diagram size constraints of 32767x32767, a size error may occur rather than a simple prompt notifying the user that the diagram is oversized. Oversized diagrams most frequently occur when browsing large, flat requirement hierarchies. The error is related to computing the diagram frame block sizing.	Install service pack 11. Alternately, use the general diagram settings in the user preferences to disable the display of diagram frames.
376 – Error when using Find/Replace Command	When using the find/replace command to search for a value in a window, element, folder, or project, you receive a “project: not understood” error. This command worked properly prior to service pack 10, but an error was introduced when issue 364 (project dictionary not used in spell checking) was resolved.	Install service pack 11.
375 – Unable to Set Default Duration in Simulator Preferences	If you open the user preferences and attempt to set the default duration for functions in the Simulator settings, you will receive a prompt notifying you that no attribute definition is available. This prompt occurs even if a project is open. You can still change the duration associated with a given function, but you cannot change the default value (normal distribution with a mean of 10.0 and standard deviation of 1.0) used for all functions whose duration attribute is nil.	Install service pack 11.

Description of Changes Included in Service Pack 10

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. Sometimes, this results in a service pack that addresses relatively obscure or low impact issues. Such is the case for service pack 10. The issue of greatest note is issue 366, and this issue only occurs when generating a large HTML output (on the order of 10,000 images or more).

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.

Reference	Description	Resolution / Notes
373 – Use Case Diagram Subject not Consistently Updated	On a use case diagram, the subject (the component name shown at the top of the large frame in the middle of the diagram) is derived from the <i>describes</i> relationship. If the selected use case does not describe a component, the <i>included in</i> , <i>extends</i> , and <i>kind of</i> relationships are traversed upward until a subject component is found. In the case that the subject component is derived from several relationships up the hierarchy, the subject may not be updated dynamically based upon changes to these three relationships.	Install service pack 10. This condition is somewhat obscure and only affects dynamic updates. If the diagram is closed and reopened, the correct subject component is shown.
372 – Errors Encountered when Opening Diagrams on Custom Subclasses of ProcessingUnit	In the base CORE schema, ProcessingUnit is the abstract superclass of Function. If you wish, you can extend the base schema by adding subclasses directly to ProcessingUnit. In doing so, you can open any of the behavioral diagrams on your new custom subclass. However, if you do not define a parent-child relation (specifying the name of the relationship that connects parent elements to their children) for the new subclass, you will receive an error when you attempt to add nodes to these diagrams.	Install service pack 10. CORE now checks to ensure the parent-child relation has been defined for the custom class before it allows you to open the desired diagram type. You can also resolve this issue simply by specifying the parent-child relation for your new custom subclass.
370 – Audit Log Entries Lose Line Breaks	After export and import, the entries on the audit log are no longer shown on separate lines. Instead, they are run together into a single block.	Install service pack 10. Note that this correction does not revise existing audit log entries, but it does change the separator used when new entries are added to the log.
368 – Custom Layout Lost when Removing Graphic from Block Diagram	When removing a custom graphic – either one from the included CORE library or a custom graphic file – from any of the block diagram variants, the layout of the diagram is recomputed. This loses any custom positioning of nodes and connecting lines. This does not occur when removing a note or a custom shape.	Install service pack 10.
367 – Error when Canceling Multiple Allocation	If the Model Assistant settings are enabled (and they are enabled by default), CORE will automatically warn you if you attempt to allocate a single function to multiple components. If you choose to cancel the allocation, you will receive a “traverse: not understood” error.	Install service pack 10. The error dialog does not result in a problem, but it is a distraction.

Reference	Description	Resolution / Notes
366 – Protection Violation Generating Large HTML Report	When running the HTML report against a large data set, Windows may generate a protection violation. As graphics were generated and saved for the HTML output, the graphic handles were not properly released, and Windows eventually ran out of resources.	Install service pack 10.
364 – Project Dictionary Not Used in Spell Checking	When using the automated spell checker (whether on a selected set of elements, a folder, or the entire project), the project-specific dictionary is not used. Words that have been added to the global custom dictionary are treated properly, but words in the project-specific dictionary are still flagged as misspelled.	Install service pack 10.
363 – Error Drawing Complex IDEF0 Diagram	In select cases when dealing with elaborate IDEF0 diagrams in which many customizations have been made, it is possible to receive the error “system primitive failed” when the diagram is drawn.	Install service pack 10.
304 – Updated DoDAF Reports	Updated DoDAF 2.0 reports OV-3, SV-6 and SvcV-6. This includes a small change to the DoDAF Common scripts.	Install service pack 10.

Description of Changes Included in Service Pack 9

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. Sometimes, this results in a service pack that addresses relatively obscure or low impact issues. Such is the case for service pack 9. 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.

Reference	Description	Resolution / Notes
Enhancement – Using NLM for Licensing University Edition in Lab Environments	Previously, each copy of the University Edition required individual registration. While this process is very straightforward for individual students, it becomes repetitive in those situations where a lab administrator is installing and licensing the software on all machines in the lab. With this release, the University Edition can now use the Network License Manager (NLM) for licensing.	Lab administrators should coordinate with Vitech Customer Support to request an NLM license as well as running the University Edition installer with the proper flags set to utilize the NLM.
Enhancement – Improved File Transfer Performance for Server Imports	When running against a project located on a CORE Server, the client software automatically uploads the file to the server to perform the import rather than performing the import through the client. The parameters governing this file transfer have been adjusted to improve performance.	Install service pack 9.
Enhancement – Small Banners Added to Home Screen	To better highlight various resources of interest – the MBSE Primer available as part of every installation, the library of webinars available on the Vitech website, and much more – a small banner ad has been added to the bottom of the left column on the home screen.	Install service pack 9.
361 – User-Created Icon Template Ignored Upon Import	If a specific diagram is set to use local options and a user-created icon template is specified for the diagram, upon import CORE resets the template for the diagram to the default Name template. This error only occurs if (i) it is a user-created template and (ii) the template is used for the entire diagram (as opposed to a subset of nodes).	Install service pack 9. If you have this situation, it can be resolved by importing your data twice – the first time to create the icon template and the second time to load the stored view description.
360 – Diagram Cut Off when Frame Disabled	When a diagram is saved as an external graphic, if the diagram frame is toggled off, the diagram may be shifted down and to the right rather than being centered. This results in the bottom edge of the diagram being cut off.	Install service pack 9. Alternately, ensure that frames are enabled for all diagrams.
359 – Incomplete Display of Document Parser Statements with Double Byte Characters	If the document parser is used to parse a document containing double byte characters, the table view incorrectly displays the resulting element descriptions. When the elements are created, the descriptions are correct, but only half of the description is shown in the parser results table.	Install service pack 9.

Reference	Description	Resolution / Notes
358 – Document Parser Incorrectly Tags Requirements	When the document parser is used to import a raw list of requirements (as opposed to a document) and the requirements are numbered, an individual statement may be miscategorized as debris. Under the original algorithm, a statement that was decomposed was marked as a requirement only if a child statement was a requirement (i.e., included one of the specified key words). With this change, a statement is marked as a requirement if either a child is marked as a requirement or if the statement itself includes a keyword.	Install service pack 9. Alternately, check the “ignore document numbering” option on the parser. This will ignore any implied parent-child relationships due to document numbering.
357 – NumberSpec Dialog Too Small when Using Korean Language Support	When Korean language support is installed and enabled, the default sizing of the NumberSpec dialog cuts off the right side of the fields. The window can be resized to display the full fields, but the default sizing is too small.	Install service pack 9.
356 – Import Failure when Using University Edition with Korean Dates	When using the University Edition, if a data file is exported with the Windows machine regional settings configured to use the Korean date format, the resulting file cannot be successfully imported. This error only occurs when using the University Edition.	Install service pack 9. Any student with a file that cannot be imported can forward the file to Vitech Customer Support for recovery.
354 – Illegal Characters in Formatted Fields Result in XML Parser Errors	Using the CSV parser to import files, it is possible to include unprintable characters in a formatted text field. While this does not cause problems within CORE or most other packages, it can cause problems in XML files. Any character with an ASCII value below 32 (with the exception of 9, 10, and 13) is considered illegal in XML. When these values are included in XML files parsed by the Microsoft .NET XML parser (which includes GENESYS), the parser rejects the file due to the illegal characters.	Install service pack 9. This change avoids the introduction of illegal characters going forward, but it does not strip any existing illegal characters.
353 – Clicking between Package and Category Navigation Results in an Error	With the addition of package-based navigation in CORE 8, the left-hand list on the project explorer now includes both packages and folders. When working on a remote project located on a CORE server, if you have an element selected in the package navigation section and then click to a folder in the class list, you receive an “id not understood” error.	Install service pack 9. This error generates an error message but is not harmful. Once the error dialog is dismissed, normal execution resumes.
351 – Update List of Operators Supported by COREscript Expression Validation	When using the validator for COREscript expressions, the validator does not recognize all of the operators published in the COREscript Express Language guide. When these are encountered, the validator reports them as unknown. The expressions still work properly, but the report author does not know if the expression is correct when writing the report.	Install service pack 9.

Description of Changes Included in Service Pack 8

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. Sometimes, this results in a service pack that addresses relatively obscure or low impact issues. Such is the case for service pack 8. 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.

Reference	Description	Resolution / Notes
Enhancement – Scripting in University Edition	Previously, though the University Edition of CORE has access to run provided scripts, the ability to write new scripts – whether for output purposes, filters, or other utility needs – has been disabled. Based upon participant request, the ability to author scripts has now been enabled.	Install service pack 8. Those students interested in writing basic scripts should reference the COREscript Construct Guide. You may also ask for assistance on the online community (community.vitechcorp.com).
Enhancement – Optional Inclusion of Hierarchy and Spider Diagrams in HTML Report	When running the HTML report to generate a hyperlinked web-ready view of your project, you specify which diagrams to include. Previously, the hierarchy and spider diagrams were included automatically with no opportunity to exclude them. With this enhancement, you can now specify whether or not to include these two diagram types.	Install service pack 8.
349 – Inconsistent Determination of Current Attribute Value when Versions Have Identical Timestamps	When importing values for a versioned attribute, CORE automatically merges the imported versions into the existing list of versions. CORE also reconciles the version list with the current value to ensure that the most recent version is shown as the current value. If the two most recent attribute versions for an attribute have exactly the same recording timestamp, the determination of which version represents the current value is inconsistent.	Install service pack 8. In this rare occurrence, the value specified as the current value in the database now takes precedence.
348 – Changes to Collection Attributes not Recorded in Audit Log	When making changes to an attribute of type collection (for example, the operations attribute on a component), the change is not reflected in the audit log. It is properly marked as changed and included in all change files but simply not shown in the visual log. This issue is limited to collection attributes.	Install service pack 8.
347 – Project-Level Permissions not Imported from CORE 7 Backups	When importing a project or repository exported from CORE 7, the project-level permissions are not properly restored.	Install service pack 8. It is worth reviewing the project-level permissions on any projects previously migrated to ensure any permission problems have been resolved.
346 – Renaming Use Case does not Update Diagram Frame	The frame for a use case diagram does not automatically update and refresh to show the new name when the root use case is renamed.	Install service pack 8.

Reference	Description	Resolution / Notes
345 – Hyperlink Issue when Containing Double-Byte Characters	If a double-byte character (such as Korean) appears in a file or path name for a reference spec attribute value, clicking the hyperlink opens a directory rather than the specified file.	Install service pack 8.
340 – Export of Changes Can Fail Under Special Conditions	In the event that a relationship has attributes but the attribute collection is nil, exporting changes will fail. A full export of the project is possible, but an incremental export is not.	Install service pack 8.

Description of Changes Included in Service Pack 7

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. Sometimes, this results in a service pack that addresses relatively obscure or low impact issues. Such is the case for service pack 7. 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.

Reference	Description	Resolution / Notes
339 – Importing Pre-CORE 8 Diagrams Loses Icon Templates	When importing an XML file from a previous version of CORE, the stored views ignore the diagram-level icon specification. Instead, stored views default to a template that simply shows the element name.	Install service pack 7.
338 – Default Layout Ignored on Hierarchy and Spider Diagram	By default, the diagram layouts for the hierarchy diagram and spider diagram are vertical and circular, respectively. If you change the default in your user preferences and then open a new diagram, your selected layout is ignored. Instead, the diagram defaults to vertical or circular, as appropriate.	Install service pack 7. Note that this only affects the default layout in the user preferences. Changing the layout for a specific diagram works correctly.
337 – Importing into an Existing Local Project Can Create Server Project Instead	If you are logged into a CORE Server and attempt to import data into an existing project on the local repository, the import is errantly directed to the server.	Install service pack 7. The error relates to the dialog behavior. Toggling to the Create Radio button and then back to the Existing Project button will work correctly.

Description of Changes Included in Service Pack 6

As use of the spider diagram has increased, we became aware of a small set of issues impacting this representation. Issue 328 is notable, particularly when viewing highly connected data sets. The other three are somewhat minor, though they can be inconvenient when working with the spider diagram. All four have been addressed in this service pack, so if you use the spider diagram – or are planning to use this highly flexible representation – we recommend installing this service pack. Otherwise, if deploying service packs within your organization is difficult, you should review the specific issue descriptions below to see if they impact you before you decide to install this service pack.

Reference	Description	Resolution / Notes
334 – Text Fields Improperly Encoded in XML Exports when RTF Support Disabled	If you disable RTF support and export a text field, the text field is exported in double-byte format, even for single-byte values. Importing the resulting file generates a “name start character expected, but not found” conflict message. No problems are encountered when RTF support is enabled (the default and standard state for CORE).	Install service pack 6.
333 – Folders Missing from Folder-Only Export	If you select Advanced Options and choose to export only folders, the folders are not included in the export file.	Install service pack 6. Alternatively, export a project backup and deselect everything except folders from the import wizard.
331 – Toggling Diagram Frame Shifts Notes, Shapes, and Graphics	If you toggle a diagram frame on or off, it creates a minor shift in the positioning of diagram notes, shapes, and graphics. The positioning for the main diagram nodes is unaffected.	Install service pack 6.
330 – Default Relation Color Not Consistently Shown on Spider Diagram	In CORE 8, color properties were added to relations so that primary traceability relationships would stand out by default on spider diagrams. Depending upon the direction in which a relationship is created, the connecting lines on the spider diagram do not consistently reflect the relation color specified in the schema.	Install service pack 6.
329 – Spider Diagram Update Results in a Line with No End Node	When removing relationships on a spider diagram, you can end up with a spider diagram where a relationship line does not terminate in a node.	Install service pack 6.
328 – Multi-Connected Nodes on Spider Diagram Can Result in Errors	Unlike the hierarchy diagram, elements are never repeated on a spider diagram. Instead, multiple lines reflecting the many relationships are drawn to a single node for the element. In certain cases, the presence of multiple connections to a single diagram node can result in an error when opening the diagram.	Install service pack 6.
327 – Spider Diagram Node Formatting Lost when Changing Number of Levels	The spider diagram includes an option to control the default number of levels displayed. When using the diagram options to change this setting for an open diagram, the diagram is automatically reconfigured based upon the specified layout. In the process, any node-specific formatting (color, font decoration, etc.) is lost.	Install service pack 6. Alternatively, select the specific nodes to expand and double-click (to expand one level) or use the Expand command (to expand multiple levels).

Reference	Description	Resolution / Notes
326 – Error in Accessing the Version Browser with RTF Support Disabled	When RTF support is disabled in the user preferences (as is the case when supporting Korean), clicking the version browser for a text attribute results in an error. The version browser opens correctly for all other attribute types and opens correctly when rich text support is enabled.	Install service pack 6.
321 – Insufficient Room above the Top Branch on an EFFBD or Activity Diagram	On an EFFBD or Activity Diagram, if compact placement is enabled and the frame is not shown, there is not enough room above the topmost branch to position an item node.	Install service pack 6. Alternately, select the branch and move it downward to create additional space.
320 – Opening Project in Schema Mode Fails to Display Schema Tree	When opening the first project in a project explorer, if the project is in schema mode, the project pane on the left of the explorer fails to open by default. If you open a new project explorer, the pane does display.	Install service pack 6. Alternately, use the Show Project Pane toggle in the toolbar or on the View menu to display the pane.

Description of Changes Included in Service Pack 5

For those project teams who make use of element permissions (particularly controlling read access at the element level) and those teams who collaborate by sharing change files via the team merge process, this service pack addresses several important issues. With respect to permissions, we have discovered an error by which deleted relationships can be orphaned and not fully deleted if the user lacks read permission to one of the two connected elements (reference 314). With respect to the team merge process, we have resolved an issue by which the merge history was not fully cleared when using the baseline import (reference 309). While service pack 5 is important for teams leveraging these two aspects, we recommend that all users deploy this service pack within their organization.

Reference	Description	Resolution / Notes
325 – Horizontal Movement Issue when Repositioning Hierarchy Diagram Nodes	When using the vertical layout for a hierarchy diagram and disabling the compact placement option, moving nodes horizontally such that they overlap can cause the nodes to appear to move in tandem in the future. This does not occur if compact placement is enabled.	Install service pack 5.
324 – BehaviorType Attribute not Initialized	If you have enabled the Model Assistant setting to auto-allocate on decomposition, the behaviorType relationship attribute is not properly initialized when the relationship is automatically created.	Install service pack 5. In the event that relationships have been created, a conflict will be received upon import at which point the relationship attribute will be properly set to Atomic.
323 – Selection Order Incorrect when Nodes Overlap	When nodes overlap on the hierarchy, spider, and use case diagrams, clicking on the top node will actually select the node underneath.	Install service pack 5.
320 – Initial Selection List in User Preferences is Incorrect	The Architecture Development facility is incorrectly listed as “Facility: Architecture” in the initial explorer selection in the User Preferences general options. If you select “Facility: Architecture” as your initial explorer selection, the project explorer selects the Systems Engineering facility instead.	Install service pack 5.
318 – Attempting to Rename a Facility Results in a Name Conflict	When in schema mode, attempting to rename a facility results in a message prompt stating the desired name is already in use.	Install service pack 5.
316 – Importing Custom CORE 7 Icon Templates Results in Error	Importing a user settings file from CORE 7 where the user had defined custom icon templates will result in a “getIconTemplateNamed:ifAbsent: not understood” error. CORE 8 defines icon templates at the project level so that they can be shared by the project team. The per-user icon templates are no longer used.	Install service pack 5.
315 – Importing RDTs Generated from CSV Files Does Not Mark Objects as Changed	Importing relationship and category changes from an RDT file does not mark the relationship or element as modified. This results in problems with RDT files generated outside of CORE – including those generated by the standard CSV parser – which are incomplete (no modification date for modified elements, etc). In particular, this is an issue for CSV-generated changes to the functional decomposes / decomposed by relationship which does not mark the structure as modified.	Install service pack 5. If your team is collaborating using CORE Server or you import the RDT directly into the repository master, you will not encounter any problems. This only arises when importing into a team member database and exporting project change files.

Reference	Description	Resolution / Notes
314 – Deleted Relationships Can Become Orphaned if You Lack Read Permission on an Element	To establish, modify, or delete a relationship in CORE requires read permission to both the element and the target and write permission to one or another. If you attempt to delete a relationship for which you have write permission to the target but not read permission for the source, the relationship will be disconnected from the source element but then the operation will fail with an error that the modification stamp could not be set. The result is an orphaned relationship.	Install service pack 5. If a relationship has been orphaned in this way, it will be reconnected upon export/import. If the source element has been deleted, it will generate a conflict upon import, and the relationship will not be restored.
313 – Line Colors not Retained on Spider Diagram	If you change the color of a line on a spider diagram, this is not restored when you reopen the diagram.	Install service pack 5.
312 – COREscript Access to Relation Complement	If you use the RelationProperty construct in COREscript to access the complement of a relation, it appears the complement is properly returned but using the complement does not consistently work. In fact, a copy of the complement is being returned rather than the complement itself.	Install service pack 5. Alternatively, use the expression “aRelation complement” to access the relation complement.
311 – Transforming an Element Fails to Set Initial Values	When you transform an element from one class to another, CORE fails to set the initial values for attributes in the new class. For example, when transforming a Function to a Component, the type attribute is not initialized.	Install service pack 5.
310 – Delete View Command Mislabeled on Pop-Up Menu	When right-clicking in the stored view navigator, the Delete Views command is simply labeled “Views”.	Install service pack 5.
309 – Merge History not Fully Cleared when Importing Baseline	When using the publish-change-merge cycle to collaborate without a CORE Server, the project administrator exports the master database to all team members using the Project Baseline export. This is a full export of the project with a flag set to automatically erase merge history after import. When the merge history is erased as part of the import cycle, not all change flags are properly reset. This results in more data being included in the change file than is actually required.	Install service pack 5. Alternatively, manually erase merge history after performing the import.
308 – Transforming an Element Results in Errors when User Lacks Admin Permission	If a user is not a project administrator and they attempt to transform an element from one class to another, they will receive an error prompt stating “Unable to perform operation for ‘Insufficient privileges to access’”.	Install service pack 5.
307 – Initial Values not Set in Element Extractor	When selecting a new class in the element extractor, initial values are not set for those attributes with defined initial values.	Install service pack 5. This error is closely related to error 311.

Reference	Description	Resolution / Notes
306 – Collaborative Window Updates Can Overwrite Changes in Progress	One of the benefits of working with CORE Server is that team members see model changes in real time. For the most part, team members naturally work on different segments of the database. However, if two team members are simultaneously changing the same attribute value for the same element, the update triggered when the first user tabs out of the field and transparently saves the attribute will cause the second user's attribute field to update. This will result in the attribute edits in progress to be lost.	Install service pack 5. On the extremely rare occasion that an update is made to a field you are currently editing, CORE will no longer update the attribute field on your screen. This will preserve your edits. If the attribute being changed is versioned, all values will show up in the version history.
302 – Report Execution Error when Using an Array with a Multi-Selection Prompt	If you author a script using an array (as opposed to an ordered collection or sorted collection) for a multi-selection prompt, you may receive an "inappropriate message for this object" error when being prompted during script execution. This only occurs if the prompt is part of a composite prompt. If it is a stand-alone prompt, no error occurs.	Install service pack 5.

Description of Changes Included in Service Pack 4

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. Sometimes, this results in a service pack that addresses primarily low impact issues. Such is the case for service pack 4. If you run CORE2net, this service pack is essential. Otherwise, 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.

In addition to this service pack, two additional capabilities (and supporting discussions) have been posted to the forums on the Vitech online community at community.vitechcorp.com. One is a handy utility to help you make the most of the new perspectives capability in CORE 8 so that you can customize views to focus in on the attributes and relationships of greatest importance. The other is an evolving completeness checker (and corresponding framework) that can be run on demand or scheduled to run in the background in order to assess the completeness of your system model. We hope you will visit the forum to access both and join in the discussions.

Reference	Description	Resolution / Notes
300 – Importing into Existing Local Project when Connected to Remote Server	When connected to a remote CORE Server, attempting to import into an existing local project results in an error. If you import into a new local project or a project on the CORE Server, everything works correctly.	Install service pack 4.
299 – CORE2net Pages Don't Render for Hangul Elements	When attempting to navigate to a CORE2net page for an element where the element name is in Hangul, the page does not resolve correctly, and the browser is blank. However, everything works properly for English element names.	Install service pack 4.
298 – Automatic Colors in Toolbar Incorrect for Shapes / Notes	When a shape or note is selected on a diagram, the automatic fill color is incorrectly shown as white. It should be a pale yellow.	Install service pack 4.
297 – DoDAF 2.0 Scripts Updated	The OV-6a, SV-6, Svc-6, and SV-10a have been updated to use the CORE 8 DoDAF schema. See DoDAF 2.0 Readme file for details.	Install service pack 4.
296 – Composite Prompt in Reporting Does Not Display Element Prompt Correctly	When including an element selection prompt on a composite reporting prompt, clicking on a folder does not display the list of elements in the folder. The list of elements is only updated if a new sort block is selected. Note that this only occurs when using the composite prompt – the standard element selection prompt works correctly.	Install service pack 4.
294 – Inserting Component with Multiple Parents onto Block Diagram	When inserting an existing component on a block diagram where (i) the existing component is a child of another component and (ii) the existing component has a connection, CORE correctly displays a message that the diagram cannot be shown due to the multiple parents condition. However, CORE then incorrectly reports an error.	Install service pack 4.

Reference	Description	Resolution / Notes
293 – Resource Level Too High in Fast Food Sample	The initial number of hamburgers in the sample fast food model is currently set to 50. Given the other parameters in this model, customers never have to wait for hamburgers, and the staff never has to cook.	Install service pack 4. Alternately, select Resource Burgers and change the initial value to a lower number (such as 10).
292 – Cannot Use New Requirement Palette Construct with a Document on Requirements Diagram	When opening a requirements diagram on a document, you cannot drag-drop the New Requirement construct from the palette onto the root document to create a new requirement. You can drag-drop the New Requirement construct onto an existing requirement to create a child requirement, or you can drag-drop the Requirements construct to create a relationship with an existing requirement.	Install service pack 4.
291 – Viewing Package Contents in Remote Projects Results in Error	When connecting to a remote project on a CORE Server, selecting a package without contents in the Project Explorer results in an error.	Install service pack 4.
290 – Duplicate Entries in Script Selection Prompt	If you manually enter the script folder locations in User Preferences and you vary the capitalization between the main folder and the common or user report folders, the same script may appear multiple times in the drop-down list when selecting a report to run.	Install service pack 4. Alternately, when specifying the script folder locations in User Preferences, use the folder icon to browse to the file location rather than manually entering the path in the entry field.
288 – Clearing a Script Does Not Reset the Description or Help File Name	When using the script editor to author a new script, the Clear Script command on the file menu clears the existing script contents and properties so that you can begin writing a new script without opening a new editor. However, the Clear Script command fails to reset the script description and help file name to empty values.	Install service pack 4.
287 – Hierarchy Type Cannot Be Specified by Variable for Spider Diagrams in Reports	Much like hierarchy diagrams, spider diagrams are specified by a starting element and the set of relationships you wish to follow. Commonly used sets of relationships can be bundled together and stored as a hierarchy definition usable to specify both hierarchy and spider diagrams. In the reporting framework, the Diagram Output and Diagram File Output constructs allow you to specify the hierarchy type via fixed parameter, but if you use a variable the desired diagram is not displayed.	Install service pack 4.
286 – Diagrams with Special Font Conditions Not Shown in CORE2net	Diagrams including bold or italic fonts are not properly output in CORE2net. This includes diagrams where a node has been specifically formatted, sequence diagrams with an unallocated lifeline (the unallocated node is shown in italics), and spider and physical block diagrams where labels can be rotated.	Install service pack 4.
284 – Error Occurs upon CORE2net Login	Upon logging into CORE2net via a browser, an error occurs. The menu of CORE2net views is not properly displayed.	Install service pack 4.

Reference	Description	Resolution / Notes
283 – Wording Issue on DoDAF Report Access	When attempting to edit a DoDAF report in CORE Essentials, the display message indicates that the script is not available in this version of CORE. The message should be rewritten to indicate that a CORE Spectrum license is required to edit the report.	Install service pack 4.
282 – Latitude and Longitude Shown Twice on Property Sheet	The property sheet for the Organization class in the DoDAF 2.0 schema displays the latitude and longitude attributes twice.	Install service pack 4. For existing projects, either export / re-import or shift to schema mode to update the attribute order for the Organization class.

Description of Changes Included in Service Pack 3

On 6 January, several customers noted a variety of error conditions when connecting to projects hosted on a CORE Server. Operations that worked the day before – creating a folder, exporting a project, and in some cases even logging into the server – resulted in errors. In diagnosing the problems, Vitech uncovered an underlying problem in the Gemstone object-oriented database which serves as the underlying repository for CORE Server. Reminiscent of design decisions that caused problems for many applications in the year 2000, Gemstone implemented a specific method as the number of seconds elapsed since 1 January 1995. On 6 January 2012, this number became so large that the underlying number type had to change to accommodate it. This broke data type constraints that Gemstone had in place on queues and created cascading issues wherever queues were used.

Service pack 3 corrects the underlying Gemstone issue. We have explicitly modified the implementation to avoid this issue in the future. We have consulted Gemstone resources, performed extensive code reviews around the issue, and completed deployment test suites in an effort to ensure we deployed not only a quick correction but one free from unintended consequences.

Description of Changes Included in Service Pack 2

Vitech's standard process and timeline is to release the initial service pack 30 days after product release. Subsequent service packs are released every 45 days thereafter to resolve errors identified and add minor capability enhancements. This schedule for this service pack has been accelerated so that our clients have access to the changes prior to their holidays. The next service pack is scheduled to release on 15 February 2012. In the interim, some special "goodies" will be shared via the online community at community.vitechcorp.com.

Reference	Description	Resolution / Notes
281 – Version Information in Non-Versioned Project	If you export changes from a project that has versioning enabled and import that change file into a project that does not have versioning enabled, the versions from the change file will improperly be included on the elements.	Install service pack 2. The version information is cleared from attributes that are not currently versioned upon import.
280 – Export Element Rename in University Change File	Exporting work in progress with a rename element command from the University Edition causes an error.	Install service pack 2.
277 – Large Local User Definition Files (ACFs)	If you have a project open, open the user preferences dialog, and then change the default icon template for a diagram, the local ACF file grows dramatically. This can lead to stack overflow errors (which can then be closed allowing the user to proceed) when changing the user preferences.	Install service pack 2.
276 – DoDAF 2.0 Scripts Updated	The AV-1, OV-6a, StdV-1-2, SV-10a, and Svc-10a have been updated to use the CORE 8 DoDAF schema. See DoDAF 2.0 Readme file for details.	Install service pack 2.
275 – DoDAF 2.0 OV-5b Report Corrected	The DODAF 2.0 OV-5b report had an errant variable that caused an error when the script was run.	Install service pack 2.
274 – Aborting Account Synchronization with Server	When logging into a CORE Server, if you select the option to synchronize remote accounts, the progress dialog includes a cancel button. Pressing the cancel button cancels the synchronization in mid process, potentially resulting in a corrupted local account.	Install service pack 2. In addition to removing the cancel button, the progress indicator has been changed to a progress gauge so that you can see the current status. If you have encountered this error and are in an error state, delete the local ACF files and re-synch after installing SP2.
273 – Current Value Improperly Set on Import of Versioned Attributes with Initial Values	If an attribute has been defined to have both an initial value and is versioned, the current value is not properly set when a project is imported. When an element is created during the import process, the attribute is set to the specified initial value and a corresponding version created. When the versions are subsequently loaded from the imported file, they are older than the value assigned during element creation.	Install service pack 2. The import behavior has been corrected so that the initial value is only set if, after the element is imported, the attribute value remains undefined.

Reference	Description	Resolution / Notes
271 – Cannot Import Accented Element Name into CORE Server	When logged into a remote repository, if you try to import an element with an accented character such as “ó”, CORE reports the conflict “hex digit expected, but not found” and aborts the import at that point. The file can be imported to a local repository without error.	Install service pack 2.
270 – Incorrect Return Value for New Folder Scripting Construct	When connected to a project on a CORE Server, using the New Folder construct in the CORE scripting language to programmatically create a new folder returns the project instead of the new folder. The folder is properly created, but the return value is not the folder as specified in the documentation. Note that when running a script against a project in the local repository, the new folder is returned as documented.	Install service pack 2.
269 – Entry of Float Values	If your regional Windows settings specify a decimal separator for floats other than a period, CORE notifies you that the separator is invalid when you attempt to type a float value in an attribute field. A period can be used, but the decimal separator specified in the regional Windows settings is rejected.	Install service pack 2.
268 – Import/Export of Number Spec Attributes	If your regional Windows settings specify a decimal separator for floats other than a period, number spec attributes (such as Function durations) that use float parameters are not imported correctly. Specifically, the value will be imported up to the separator, but any values after the decimal separator will not be loaded (“1,2” would be loaded as “1,0” in a region where the comma is used as a separator). This issue is only present in number spec attributes and does not affect float attributes.	Install service pack 2.
260 – IDEF0 Output Arrow Fails to Connect to Boundary Label	On an IDEF0 diagram, if an item is both output from a function on the diagram and the child of an output boundary label (the child of an output of the parent function), the item arrow is not properly connected to the boundary label. This is most evident if the item is an input or trigger for another function on the diagram.	Install service pack 2.

Description of Changes Included in Service Pack 1

In addition to the specific problem resolutions listed in the table below, service pack 1 delivers one notable enhancement strongly requested by university instructors who attended the Insight 2011 User Group event. To support the growing number of capstone projects and team projects in the classroom, the University Edition now includes support for a publish-change-merge cycle. This follows the same process as commercial CORE users apply when not connected to CORE Server for live collaboration.

The team collaboration changes introduced in the University Edition service pack include:

- The ability to rename the user account so that changes are attributable to a specific team member. The Rename User command has been added to the Tools menu in the University Edition for easy access.
- The ability to select from four export options:
 - Project Backup – A full backup file of your project. If you are working on an individual effort, this is the correct export option.
 - Project Baseline – A full export of your project and which erases the merge history upon import so that changes are automatically tracked for integration. This is the first step in the team process and the proper export format after every merge.
 - Work in Progress – A working export of the project baseline with your current changes. Students use this format throughout the update cycle until sending a changes file to your project administrator.
 - Project Database Changes – An export including only the changes you made since merge history was last erased. At the end of an update cycle, this is the export option used to send your changes back to the project administrator.

A full description of the team merge process can be found in the Collaborating with CORE help topic available in the CORE online help.

Reference	Description	Resolution / Notes
Enhancement – License Web Form	The embedded licensing utility has been revised to automatically pass the CORE version number to the Vitech website to help guide the license request process.	Install service pack 1.
267 – DoDAF Report Typo	If you run a DoDAF report that stops with an error, the prompt title contains a misspelling – “Fatel Error” instead of “Fatal Error”.	Install service pack 1.
266 – Errant Allocation by Model Assistant	The “auto-allocate on decomposition” rule on the Model Assistant incorrectly adds the allocated to relationship for functions that are already allocated to another component. If allocation already exists for a function, the Model Assistant should not attempt to allocate the function when it is added to a function’s decomposition.	Install service pack 1.
265 – Resource Amount Format in COREsim Transcript	Resource amounts are not written to the COREsim transcript in a language neutral format. As a result, if the Windows regional settings for floats use a comma as the decimal separator, the resulting transcript cannot be properly parsed by programs such as Microsoft Excel.	Install service pack 1.

Reference	Description	Resolution / Notes
264 – Diagram Shape Import/Export	If a given CORE diagram includes more than one diagram shape, only the first diagram shape is maintained on project export and import. This same error can affect diagram notes but does not affect independent graphics inserted on diagrams.	Install service pack 1.
263 – Dialog Appearance with Large Windows Fonts	If your Windows environment is configured to use large fonts, certain CORE windows and regions do not size correctly. Note that this is independent of the default font specified in the CORE user preferences. This is also true by default in certain non-English environments (specifically Korean).	Install service pack 1. Four specific windows have been modified (login dialog, about dialog, university registration dialog, and the tip of the day pane).
262 – Hiding Branches on Activity Diagram Parallel Construct	When using an activity diagram, if you hide a branch on a parallel construct and then switch the display mode to hidden, the entire diagram disappears. The diagram does not redraw until you change the display mode back to standard or marked.	Install service pack 1.
261 – Terminology on Requirements Diagram Constructs Palette	The constructs tab on the requirements diagram palette uses CORE class terminology rather than the language of the SysML diagram. In place of “Components” and “Functions”, the palette should reference “Blocks” and “Activities”.	Install service pack 1. In introducing the diagram palette – and specifically the constructs tab – the intent is to use the native terminology of the diagram to lower the barrier of entry to MBSE.
259 – Korean Support in Element Table	The element and diagram tables do not properly support the Korean language in all fields. Hangul characters display properly in name fields but are garbled in description fields.	Install service pack 1.
257 – Find Perspective Error	When using the Find Perspective command in the project explorer, you receive a “selectFacility: not understood” error if you search for a perspective that exists.	Install service pack 1.
256 – Find Perspective Dialog Terminology Issue	When using the Find Perspective command in the project explorer, if you search for a perspective that does not exist, the text in the error message is wrong. The dialog reports “Phase Not Found” rather than “Perspective Not Found”.	Install service pack 1.
255 – Baseline Schema Objects Attributed to Administrator	In the new 8.0 versions of the baseline schemas, some of the schema attributes are shown as created by “Administrator” instead of “Vitech Corporation”. This makes it more difficult to identify customer-created schema extensions. This applies to both the base and DoDAF schemas.	Install service pack 1. This will not affect existing projects but will affect all new projects. To affect an existing project, simply export the project, delete the project from CORE, and reimport to force project creation.
253 – Error When Names Conflict Using Item Constructs on EFFBD Palette	When using the construct tab on the EFFBD diagram palette, the New Input, New Trigger, and New Output constructs result in an error if you enter an item name that already exists. Instead, this should display a standard CORE prompt that the item already exists.	Install service pack 1.
251 – Target List Fails to Respond on Property Sheet	In an element property sheet, the target list fails to update the first time you select a new relation from the list. All subsequent selections work correctly.	Install service pack 1.

Reference	Description	Resolution / Notes
250 – Relation Selection not Maintained on Property Sheet	When using the element browser view on the project explorer, CORE does not maintain the selected relation in the element property sheet. Instead, when you select a new element from the element list, the relation selection resets to the new “All Relationships” entry rather than maintaining the previous selected relation.	Install service pack 1.
248 – Permissions Issue with Elements Created by CSV Import	When using the CSV parser report, the resulting element permissions do not appear to work correctly. If the project is using element level permissions and a user or group has been assigned read permission, the user or group has the proper level of access (they can see the attributes and relationships via the property sheet, etc.) However, the element list shows “Insufficient privileges to view this element” rather than showing the name.	Install service pack 1. The initial permissions for elements created by the CSV parser are correct. However, the indexing mechanism used for the element list pane is not updated correctly. Installing the service pack addresses all future imports. To correct existing index issues, you must export and re-import your project.
247 – Failure to Resolve Path on ReferenceSpec Attribute	Using reports, it is possible to set CORE attribute values. However, if you using the scripting capabilities to set a referenceSpec attribute (an external reference), the value is set as an absolute reference. Instead, the value should automatically resolve to the base path specified for the project so that a relative reference is established.	Install service pack 1.
246 – Login Error Message when Trying to Log into Server without CORE Server Installed	If you attempt to log into a server machine that does not have CORE Server installed, you receive an error message stating “Invalid argument #1. Expected #ushort” rather than a prompt listing reasons why you may not be able to connect to the specified machine.	Install service pack 1.
245 – Intermittent Drag-Drop Error using Construct Palette	When using the new drag-drop capability to edit diagrams, you can occasionally receive “initializeClipboardFor: not understood” errors. You can proceed from the error with no harm, but the error is disruptive to the work flow. This is particularly true when using constructs on the FFBD, EFFBD, and activity diagram.	Install service pack 1.
244 – Spider Diagram Fails with Target Class Specification	Attempting to open a spider diagram using a hierarchy definition that includes target classes as well as relations results in an error. Spider diagrams can only be opened using hierarchy definitions that do not include target class specifications.	Install service pack 1.
243 – Error Using Delete Key to Delete Row in Document Parser Table	The document parser generates an intermediate table allowing you to review the parsing results before entering them into the database. You can delete individual rows from this table using the pop-up menu. However, if you select one or more rows and use the delete key, you receive warning messages (“Value Specified is not a possible value for this enumeration”) rather than the rows simply being deleted.	Install service pack 1. In addition, the Delete Element command has been added to the parser menu to simplify access to this command.

Reference	Description	Resolution / Notes
242 – Cannot Save COREsim Timeline as SVG	When working with a simulation timeline, you cannot save the timeline using the SVG graphic format. All other formats (JPG, PNG, BMP, and WMF) work properly.	Install service pack 1.
241 – Perspective Descriptions Contain Typos	Two perspective descriptions contain typographical errors. In the Full Detail perspective description, the last word should be “model” instead of “mode”. In the System Context perspective description, there should be only 1 period at the end of the paragraph.	Install service pack 1. This will not affect existing projects but will affect all new projects.
240 – Target-Based Filters Inoperable after Export/Import	When exporting and importing filter definitions (which are included in a standard export file), filters that rely upon targets appear to be corrupted. For example, using the Unverified Requirements filter which checks the size of a target set for a requirement results in a “schemaManager not understood” error. Using a filter that simply uses attributes works fine.	Install service pack 1. Installing the service pack addresses all future imports. To correct existing filter issues, you must export and re-import your project.
238 – Mouse Wheel Support in COREsim Transcript	Using the scroll wheel on the mouse does not scroll the simulation transcript window.	Install service pack 1.