



ENOVIA SmarTeam

SmarTeam V5R20 Product Enhancement Overview

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WHAT'S NEW

ENOVIA SmarTeam Express

- ❑ V5R20 ENOVIA SmarTeam Express includes the following:
 - All existing SmarTeam customers can add SmarTeam Engineering Express (SNE) to their database, including SmarTeam Design Express (SDE) V5R16 and V5R17.
 - SmarTeam - Web Editor and Navigator are fully supported
 - SmarTeam - Multi-site and Multi-vault are fully supported
 - Regulatory Compliance Framework (RCF) is fully supported
- ❑ New features:
 - The PLM DB Supports the new V5R20 SmarTeam - SolidWorks Integration for SolidWorks 2009
 - Standard Reports
 - New general link for Item to Item relation
 - New script function for Open Configuration View for selected Item
 - Profile Cards are now available in SmarTeam – Web Editor
 - Attachment Folders are now fully supported in SmarTeam – Web Editor
- ❑ New database creation will include all changes made for PLMDB_R20
- ❑ A new document called “SmarTeam Express Configuration Guide” is now available on the ENOVIA SmarTeam Documentation CD. It is highly recommended to read this document before implementing ENOVIA SmarTeam Express.

3D Live Support

- ❑ Separate 3DLive license from Navigator license
- ❑ Supports Item and BOM Management
 - Support viewing 3D representation for Items that have more than one specification link
 - Support filtering Items Tree in 3D Live based on different configuration views (E-BOM, M-BOM, P-BOM, etc)

Packaging Changes

- ❑ One DVD Installation
 - All ENOVIA SmarTeam CD's are now available on one DVD
 - ENOVIA SmarTeam installations will not block an Operating System install process, but prompt a message
- ❑ Oracle AutoVue Viewer installation is available on a separate CD
- ❑ The SmarTeam Demo Database has changed from SmDemo to PLMDB

Debugging Tools

- ❑ Tool Capabilities
 - Monitor SmarTeam applications in production environment
 - Minimize interaction between Customer, GTSC and R&D
 - Notify Administrator / End-user about critical problems
 - Performance measurements in production environment
 - Plug ability for customer to write his own scripts
 - Suitable for different releases - V5 R18, V5 R19, V5 R20, V6, etc.
- ❑ Diagnostic Agent
 - Windows service that should be installed on any machine executing SmarTeam application (client side)
- ❑ Diagnostic Center
 - Windows service that manage all agents on clients (server side)

ENHANCEMENTS

SmarTeam – Editor

The SmarTeam – Web Editor product license was withdrawn in V5R18, and all SmarTeam – Web Editor functionalities were incorporated within the SmarTeam – Editor product license. In the SmarTeam application interface the name SmarTeam – Web Editor was retained, but in all the documentation it is now referred to as the SmarTeam – Editor web-based client.

Windows client (SmarTeam – Editor):

- ❑ Menu Editor Improvements - Toolbars Area
 - Arrange the Toolbar Area for groups/users in the Menu Editor
 - Save Toolbar Area in Database instead of on local machine
- ❑ Sort per Creation Date
 - Sort the Tree and Search by Attribute objects by Creation Date in descending order

Web-based client (SmarTeam – Web Editor):

- ❑ Thumbnails Presentation
 - Start point for catalogs etc.
 - Reduced number of user clicks for document presentation
 - Viewed from search (Detailed / Chart / Thumbnails)
- ❑ Icon per File Type
 - Enable presentation of icon per file type in the Navigation Tree and Grid
 - Visibility of the document file type in Web Editor, Navigator and CWI
 - Consistency with SmarTeam - Editor and CAD Integrations
- ❑ Upload Documents (in SmarTeam – Web Editor and as standalone)
 - Enable the upload of multiple documents to SmarTeam via SmarTeam - Web Editor in one command
- ❑ New Visual Components (in SmarTeam – Web Editor and as standalone)
 - Create Object
 - SmartBox
 - Favorites
- ❑ Improved performance using VC Telerik

SmarTeam – Navigator

- ❑ Same as SmarTeam –Editor, Web-based client, except for Upload Documents and Visual Component for Create Object

SmarTeam – BOM

- ❑ BOM Editor - Create and Update Items

- Enable adding new Item to SmarTeam
- Enable updating existing Item by opening Profile Card
- ❑ Show missing definitions for Copy Tool Operation
 - Before running Copy Tool, the command will check that all attribute definitions for the created and updated objects are valid, e.g., Part Number
 - If there are invalid or missing definitions, all source objects for the copy with missing definitions will be shown in a new grid window
- ❑ Copy Tool Mapping - Usability Enhancements
 - Open mapping for editing by double-click
 - Replacing “Add” and “Delete” buttons with commands in context menu
- ❑ Documentation - Publish BOM API
 - Publish Item Management API command with examples
 - Publish BOM utilities API commands
- ❑ BOM Briefcase
 - BOM Briefcase is disabled from V5R20
 - Existing customers who wish to continue using BOM Briefcase for Supply Chain exchange should contact ENOVIA SmarTeam Customer Support for details on how to activate the existing mechanism ‘as is’
 - As Is - (no further enhancements / corrective actions will be provided)

SmarTeam – Workflow

This product includes no new functionality in this release.

SmarTeam – CATIA Integration

- ❑ Ability to compute quantity according to instance activity status. Inactive instances are now taken into account in the SmarTeam quantity computation. This functionality is controlled by an environment variable.
- ❑ Ability to not expose drawing external attribute links in SmarTeam when saving them. This functionality is available using the SmarTeam System Configuration Key CATIA.CreateDrawingAttributeLinks.
- ❑ Ability to Open For Edit SmarTeam documents from CATIA
- ❑ Ability to save a SmarTeam document as a new document Type. It provides the user a way to create easily a link between a CATIA Document in SmarTeam and another object containing the exchange format.
- ❑ Display SmarTeam document status (Check In, Check Out, and Release) in the CATIA document Node tooltip.
- ❑ Display the SmarTeam Project Manager window during SmarTeam/Save when at least one document is new.
- ❑ Expose in SmarTeam – CATIA Integration Tools Options the following SmarTeam – CATIA Integration variables
 - CAI_SAVE_UNDER_PROJECT
 - CAI_LINKS_LOAD_CONTEXT

- CATIA_TEAM_PDM_ALLOW_CO_NONLATEST
- CATIA_TEAM_PDM_QUANTITY_ISACTIVE_ONLY
- ❑ Ability to recognize that a "Not Latest Revision" Document has a new revision available
- ❑ Ability for Silent Release with SmarTeam Job Server
- ❑ Microsoft Office 2007 support for “Design Table” knowledge feature in SmarTeam – CATIA Integration
- ❑ Provide a batch to expose instance information in SmarTeam
- ❑ The new SmarTeam icons are now displayed in the CATIA menus
- ❑ Large Assembly & Concurrent Design (LACD)
 - New packaging for the following Work In Progress (WIP) components:
 - Replace a product node by a CGR
 - Replace a CGR by product node
 - Switch CGR to latest
 - Insert CGR
 - The following functionality is now available in SmarTeam – CATIA Integration:
 - Global Refresh
 - Design Compare

SmarTeam – CATIA Web Integration

- ❑ The new SmarTeam icons are displayed in the CATIA menus

SmarTeam – CATIA Supply Chain Engineering Exchange

- ❑ Ability to run reconciliator batch without exposing the password in the command line
- ❑ The current reconciliator queries, retrieves the latest available revision from the database on the queried objects. The new query will retrieve the most recently available object from the database satisfying the query criterion.
- ❑ The Query functionality was enhanced in order to provide better support for broken links.

SmarTeam – SolidWorks Integration

- ❑ Enhancements to Lightweight Support
 - Save Lightweight components without Resolve
 - Saving Lightweight components to SmarTeam will not force Resolve
 - Mapping to New/Checked Out Lightweight component executed without Resolve
 - When saving a Drawing of a Lightweight Model, Save accomplished without Resolve
- ❑ Enhancements to Configurations Support

- Master Configuration (Simplified Configuration)
- Do not save derived configurations
- ❑ Enhancement to DMT
 - The DMT will present all components types
 - Dedicated icons will indicate the components type (Lightweight, Suppressed, Hidden, and Virtual)
 - Find in the DMT (Go To...) will be executed on all levels, and will include unloaded components. When a component is found (through Go To...), its branch will be expanded
 - DMT tab will be presented in both sections
- ❑ Display State Support
 - Display State supported through the SmarTeam Open Dialog in SolidWorks and Open For... in SmarTeam - Editor
 - Display State enables the user to define which component to load in SolidWorks
- ❑ Suppressed Components
 - When saving an Assembly that contains unloaded components, only loaded components will be saved (Save will not trigger the load of unloaded components)
 - Unloaded components will be calculated to provide the correct quantity
 - Suppressed component will always be saved with a new link SolidWorks Suppressed
- ❑ Open for Edit checkbox in SolidWorks Open dialog
 - Ability to perform Check Out / New Release for the document while opening in SolidWorks Integration

SmarTeam – AutoCAD Integration

This product includes no new functionality in this release.

SmarTeam – Inventor Integration

- ❑ SmarTeam Ribbon in Inventor User Interface

SmarTeam – Solid Edge Integration

This product includes no new functionality in this release.

SmarTeam – Multi-CAD Integration

This product includes no new functionality in this release.

SmarTeam – Program Management

This product includes no new functionality in this release.

SmarTeam – Regulatory Compliance Framework

A new document called SmarTeam – Regulatory Compliance Administration Guide is available on the ENOVIA SmarTeam Documentation CD. It replaces the SmarTeam – Regulatory Compliance User Guide.

SmarTeam – Foundation

This product includes no new functionality in this release.

SmarTeam – Multi-site

This product includes no new functionality in this release.

SmarTeam – Multi-site Vault

This product includes no new functionality in this release.

SmarTeam – Development Suite

This product includes no new functionality in this release.

SmarTeam – Job Server

- ❑ A new document called SmarTeam – Job Server Administration Guide is available on the ENOVIA SmarTeam Documentation CD. It replaces the SmarTeam – Job Server Online Help.
- ❑ Support Silent Release for CATIA

SmarTeam – Gateway

This product includes no new functionality in this release.

SmarTeam – Community Workspace

This product includes no new functionality in this release.