

ANALYZER

ENOVIA Studio Schema Analyzer



ENOVIA® Studio Schema Analyzer is an administrative tool that customers use to manage their daily schema development and maintenance activities as they implement new releases of ENOVIA or implement new capabilities on top of their current ENOVIA deployment. Administrators are able to quickly decipher and learn the data model associated with the ENOVIA system using standard graphical and textual reports. The tool can be used with any ENOVIA implementation to analyze publicly exposed schema from standard ENOVIA products and/or custom developed schema.

Key Benefits

- Explore the ENOVIA data model using an interactive, offline, user-friendly Windows client
- Understand the dependency and relationship between various schema elements to identify where each schema element is used and the impact of changing it
- Make schema modifications offline and sync back to the online database only the changes that are complete
- Use UML methodologies to view and extend the data model
- Compare two separate schema models to rationalize the difference between them and synchronize them as needed
- Generate complete schema documentation reports quickly and accurately

Product Overview

ENOVIA delivers the industry's most flexible PLM environment. The functionality included spans the entire product development lifecycle, providing companies with the ability to rapidly adjust business process functionality to meet their unique needs at the lowest possible total cost of ownership. As customers take advantage of this flexibility to modify the business process, it may be necessary to make modifications to the underlying data model and schema.

ENOVIA Studio Schema Analyzer enables administrators to be more productive in managing the ENOVIA implementation and performing the activities associated with modifying the ENOVIA schema. This product can be used with any ENOVIA environment including customer-specific implementations. The main capabilities include:

- Unified Modeling Language (UML), an industry-accepted standard for specifying, visualizing, constructing, and documenting the business model, is a standard function with the ENOVIA Studio Schema Analyzer and enables users to design and define the data model before building it.
- Upgrading to a new release and reconciling schema differences is simplified using automatic comparison reports. With the ENOVIA Studio Schema Analyzer, administrators can compare different schema implementations where they can see and report the differences and make plans to take appropriate actions.
- Develop and review schema extensions offline and then synchronize changes back into the database.
- Generating schema reports in both Microsoft Word and HTML is easy and fast, saving significant time and effort.

Product Highlights

ENOVIA Studio Schema Analyzer enables companies to accelerate conceptual design, specification, maintenance and documentation of the ENOVIA implementation using a combination of graphical and textual user interfaces. Key features and capabilities include:

Schema Explorer

With ENOVIA Studio Schema Analyzer, administrators connect to the ENOVIA database and extract the publicly exposed and customized schema into a neutral-format local file. The local copy of the schema is then used for viewing, reporting and deciphering the data model. All ENOVIA schema modeling entities like Business Types, Policies, Attributes, etc. are extracted for analysis and comparison. Relationships between the various administrative schema objects are also captured so that the dependency of one schema element with another is understood. At this time, ENOVIA® VPM Central™, ENOVIA® VPM Team Central™, and their optional products do not fully publish their schema.

Offline Schema Development

Making ad-hoc changes directly to a live schema can have negative impact on the application especially if these changes are incomplete and completion spans multiple days or weeks. The ENOVIA Schema Analyzer enables offline model changes without impacting the "live" development environment. Once changes are reviewed and finalized within the tool, they can be synchronized with the ENOVIA database.

UML Modeling

Unified Modeling Language (UML) is a standard practice for specifying, visualizing, constructing, and documenting the business model. With UML functions, project teams can communicate, explore potential designs, and validate new schema requirements. With the ENOVIA Studio Schema Analyzer, UML is a standard function and UML diagrams are automatically created during the initial schema extract process. Each UML diagram reflects a portion of the schema model representing the business type, its type hierarchy, relationships and attributes. New UML diagrams can also be created interactively representing existing schema as well as new schema elements. UML diagrams can then be exported to a database to create or modify the represented schema model as well as exported as gif files for documentation.

Schema Comparison

During an implementation, often times, implementers are working with multiple schema instances; i.e. local and shared instances or development and QA environments. Keeping these schema models synchronized or even knowing if they are synchronized can be difficult. With the ENOVIA Studio Schema Analyzer, administrators can not only compare multiple instances, but automatically update one based on another. The schema comparison tools provide much flexibility in identifying how the comparison should be performed and whether the comparison should be interactive with visual or written to a file.

Simplified Upgrades

Upgrading to a new ENOVIA product release can be simplified with the ENOVIA Studio Schema Analyzer. Implementers can compare the vanilla instance of the new product release to the existing production system where they can see and report all schema differences and make plans to take appropriate actions. The schema comparison reports compare all schema elements including program objects written with Java and TCL code.

Automated Documentation

At the end of the design and development cycle, implementers can easily and instantly generate schema documentation against the ENOVIA system in both HTML and Word formats saving them lots of time and effort. This task by hand could not only take months to do, but prone to errors. With a simple command, the entire schema report along with table of content, diagrams and images can be generated.

Nightly Archives

The ENOVIA Studio Schema Analyzer enables users to schedule nightly extracts and/or reports of the ENOVIA schema for archiving purposes. This automation includes extraction of the ENOVIA schema model, generation of the schema report as well as schema comparison reports against a previous baseline. The nightly automation can be useful for project leaders where they can track progress against a previous baseline as well as retain archives of the entire schema and documentation.

The Role of ENOVIA V6 and PLM 2.0

ENOVIA Studio Schema Analyzer supports PLM 2.0, product lifecycle management online for everyone, and the ENOVIA V6 values: global collaboration innovation, single PLM platform for intellectual property (IP) management, online creation and collaboration, ready to use PLM business processes, and lower cost of ownership.



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Europe/Middle East/Africa

Dassault Systèmes
10, rue Marcel Dassault
CS 40501
78946 Vélizy-Villacoublay Cedex
France

Asia-Pacific

Dassault Systèmes
Pier City Shibaura Bldg 10F
3-18-1 Kaigan, Minato-Ku
Tokyo 108-002
Japan

Americas

Dassault Systèmes
175 Wyman Street
Waltham, Massachusetts
02451-1223
USA

Visit us at
3DS.COM/ENOVIA

