DASSAULT SYSTEMES

ENOVIA

MODELING

ENOVIA Studio Modeling Platform

ENOVIA® Studio Modeling Platform provides the development tools for a company to define configurations that are needed in their production ENOVIA system. It allows implementers to easily change default ENOVIA behavior so the unique development processes of a company can be maintained.

Key Benefits

- Ensure end user acceptance
- Achieve targeted business process improvements
- Maintain a competitive advantage with unique capabilities without compromising the ability to upgrade to newer releases

Product Overview

While ENOVIA offers Product Lifecycle Management (PLM) products that cover many product development business processes, the need for companies to tailor or extend ENOVIA products to meet their specific needs is inevitable. In fact, in order to maintain a competitive advantage some aspects of the product development process must be unique compared to how other companies execute their processes. ENOVIA Studio Modeling Platform is required in order to tailor and configure the production ENOVIA system.

The users of ENOVIA Studio Modeling Platform must be valid licensees of the products that are configured. However, a user's production license can also be used with the system installed for ENOVIA Studio Modeling Platform.

Product Highlights

ENOVIA Studio Modeling Platform provides the configuration and administration capabilities for ENOVIA, which was designed from the ground up to support change and flexibility. As an organization's processes change, customers can easily change the standard processes and user interface to retain their competitive advantage. Companies can easily configure solutions to meet specific business needs. The ENOVIA Studio Modeling Platform provides the necessary tools to quickly configure, and extend the standard product capabilities and business processes.

The ENOVIA Studio Modeling Platform includes the following primary tools:

- **ENOVIA® Studio MQL** — Command line interface tool for executing commands and scripts for ease of migrating changes across multiple ENOVIA systems
- **ENOVIA® Studio System Administration** — Tool for managing and configuring the database and file vaults for storage of the ENOVIA data
- **ENOVIA® Studio Business Modeler** — Tool to manage the data model and its associated business process including data types, attributes, relationships, security, lifecycle, workflow, and web user interface design
- **ENOVIA® Matrix Navigator** — Tool to query the ENOVIA instantiated data objects based on the data model. This application is required to administer triggers and other configuration objects
- **ENOVIA® Studio VPM Data Model Configuration** — Tool to administer the VPM data model. It complements ENOVIA Studio Business Modeler and provides additional capabilities to simplify VPM data model customizations

Key features and capabilities ENOVIA Studio Modeling Platform include:

Dynamic Modeling

The underlying schema and business processes are all modeled and configured using the ENOVIA Studio Modeling Platform. Administrators can easily extend the business model or make changes to the standard model. Such capabilities include the ability to define new business types, attributes, relationships, policies, workflows, organizations, people, etc. Changes made to the schema are recorded as history entries so development teams can audit how the ENOVIA system evolved over time.

User Interface Components

A rich set of user interface tools are provided to deliver significant functionality with minimal programming effort in order to easily change the presentation and capabilities of standard ENOVIA products, and best of all, changes are upgradeable with future software updates. The user interface tools are access-controlled to provide role-specific views and are used to model the entire user experience – menus, forms, tables, structure, actions, etc. -- in the user's preferred language.

Advanced Full-text Search Component

Administrators can use the full-text search functionality from ENOVIA® Live Collaboration with their custom development. This advanced search functionality leverages the OEM IDOL platform from Autonomy and is encapsulated into a generic, configurable search component that is used throughout the applications providing a rich and consistent search experience. Configuration includes specifying search types, attributes and related business object data for end-user keyword searching. In addition, administrators define and configure additional taxonomies and parametric fields to aid the user in refining and reducing the search results. Administrators can deploy additional IDOL servers to maintain optimal performance and scalability.

Persistent Object Identifiers

The ENOVIA system automatically generates "persistent" object identifiers for all business objects and relationships. These identifiers are not only persistent as meta-data changes but also guaranteed to be unique across multiple instances and deployments. With persistent and unique identifiers across all ENOVIA deployments, replicating and synchronizing data across systems can be simplified by detecting that an object has been previously replicated based on the existence of a persistent id in the target system.

Service-Oriented Architecture

Web services enable implementers to manipulate ENOVIA data and business processes using a service-oriented architecture (SOA). Using an interactive web interface, administrators can manage and deploy web services delivered with the ENOVIA system and applications. In addition, administrators can choose which services to deploy as well as establish access rights for what services can be executed by a given user.

The Role of ENOVIA V6 and PLM 2.0

ENOVIA Studio Modeling Platform 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

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