

## CUSTOMIZATION

### ENOVIA Studio Customization Toolkit



ENOVIA Studio Customization Toolkit provides documentation and examples for writing custom programs and support Web services client development. Documentation for each standard web service is provided along with the Web Services Definition Language (WSDL) file to enable generation of the client code.

#### **Key Benefits**

- Extend ENOVIA collaborative business process capabilities with custom code to meet unique use-case requirements.
- Use low-level command APIs or higher-level business logic APIs specific to ENOVIA products.
- Reference online documentation for all Java and C++ functions.
- Leverage working code samples for commonly used extensions.

## Product Overview

ENOVIA Studio Modeling Platform provides several client applications as well as command line interfaces to manipulate the public ENOVIA schema model and create and manage custom developed schema. As an open architecture, the complete set of ENOVIA services is also available using Java and C++ Application Programming Interfaces (APIs) available with ENOVIA Studio Customization Toolkit. These published APIs serve as the foundation for creating web applications based on the ENOVIA® Live Collaboration user experience.

At this time, ENOVIA® VPM Central™, ENOVIA® VPM Team Central™, and their optional products do not fully publish their schema. Therefore, in order to manipulate data from these products, ENOVIA® Studio VPM API should be used instead of ENOVIA® Studio Customization Toolkit.

## Product Highlights

Implementation teams leverage the powerful and complete set of programming APIs in ENOVIA Studio Customization Toolkit to extend the ENOVIA system. The APIs consists of the lowest level commands for interfacing with the public ENOVIA schema and commands for executing higher-level business logic specific to ENOVIA products. Key features include:

### Java Documentation

All ENOVIA services for manipulating the public schema model and user data instantiated from the public schema model can be implemented using the Java programming API. In addition, all ENOVIA applications are modularized and provide application-specific APIs. In order to facilitate an environment for API users to extend the platform and applications, all functions are documented using the standard JavaDoc convention.

### Programming Libraries

In addition to extending the ENOVIA platform with Java, C++ API functions can also be used. Bundled with the ENOVIA Studio Customization Toolkit are the necessary Windows (DLLs) and UNIX® libraries that are required for compiling such programs.

### Usage Examples

Whether the extensions are being done with Java or C++, ENOVIA Studio Customization Toolkit provides code samples for the commonly used scenarios and extensions.

### The Role of ENOVIA V6 and PLM 2.0

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



## Delivering Best-in-Class Products



Virtual Product



Information Intelligence



3D Design



Virtual Planet



Realistic Simulation



Dashboard Intelligence



Digital Manufacturing



Social Innovation



Collaborative Innovation



3D Communication

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