SmarTeam® – Gateway (GWY)

**Highlights**

- ENOVIA SmarTeam Enterprise Application Integration Backbone
- Integrating the latest product data across engineering, manufacturing, sales and service
- Enterprise business process management across the value chain
- Integration across organizational departments
- Bidirectional data exchange between SmarTeam and EAI platforms
- Customization and enhancements
- Scalability
- Connectivity using EAI platform adapters
- Benefits of an enterprise Gateway
- Packaging

**ENOVIA SmarTeam Enterprise Application Integration Backbone**

With market responsiveness, cost control, and compressed cycle times becoming prime drivers in the ongoing product development and change processes, companies need to optimize their business procedures by linking Product Data Management (PDM) systems to other Enterprise applications, including Resource Planning (ERP), Manufacturing Planning (MRP), Customer Relationship (CRM) and other legacy systems.

**Enterprise business process management across the value chain**

SmarTeam - Gateway works seamlessly with the ENOVIA SmarTeam family of products and best-practices, bringing the benefits of collaborative product lifecycle management to other enterprise systems. Serving as the glue that ties the value chain together while enhancing efficiency throughout the product lifecycle, SmarTeam - Gateway generates an “e-Business on demand” environment, by making all product data and business processes available to users of other enterprise systems.

**Integration across organizational departments**

SmarTeam - Gateway supports business event driven mechanisms for bidirectional data exchange, between enterprise systems in different departments, speeding workflows, avoiding redundant efforts, and improving communication throughout the organization. Updated product data in CRM systems, for example, enables more effective sales and improved product support, while facilitating the feedback of critical market information into the ongoing design process.
Bidirectional data exchange between SmarTeam and EAI platforms
Product information (BOM, Item Master, Documents, ECO) can be transferred based on built-in triggers or upon demand, supporting pre-packaged business logic for pulling information into SmarTeam and pushing information to the EAI platform.

Customization and enhancements
SmarTeam - Gateway functionality can be enhanced using the internal SmarTeam - Gateway Integration Manager capabilities (business logic, filtering, triggering of events) and by leveraging EAI platform capabilities (mapping tools, business process modeling, etc.).

Connectivity using EAI platform adapters
By supporting universal EAI technologies, SmarTeam - Gateway turns SmarTeam into a highly robust Product Lifecycle Collaboration platform. The extended enterprise becomes tightly integrated around product processes and development, from conceptual drawings and CAD designs, and all the way through to realization, support and obsolescence.
SmarTeam supports Microsoft® BizTalk® Server.
SmarTeam - Gateway may be further leveraged by taking advantage of existing EAI adapters developed by SmarTeam’s Business Partners, for connectivity with enterprise, legacy and other information sources and systems and technologies such as Siebel, People Soft, PeopleSoft EnterpriseOne (formerly known as J. D. Edwards), QAD, BaanERP, Great Plains, i2, COM, J2EE, SMTP, XML, Microsoft Office, Microsoft SQL Server and others.
The adapter is metadata-driven to enable extensibility and development without recoding, and supports bidirectional asynchronous event processing (via SmarTeam – Gateway).

Benefits of an enterprise Gateway
Information is available across enterprise systems via EAI platforms:
• Speeding time-to-market
• Enabling efficient change processes
• Eliminating human errors
• Increasing product quality
• Reducing manufacturing costs
• Streamlining information flow between engineers and manufacturer
• Complying to universal EAI standards
• Enabling business process modeling

Packaging
SmarTeam – Gateway product is available only in the SmarTeam – Gateway Administration Configuration (SGA), comprising of SmarTeam – Foundation (FDN), SmarTeam – Editor (EDR) and SmarTeam – Gateway (GWY). SmarTeam – Gateway configuration is licensed per server instance. This notice also refers to Multi-site installations.

For a list of available MS BizTalk adapters, see:
http://www.microsoft.com/biztalk/evaluation/adapter/default.mspx

For more information, go to:
www.enovia.com or www.3ds.com

This document is for informational purposes only and subject to change without notice.
© Dassault Systèmes, 2001 - 2008. CATIA, ENOVIA, SMARTEAM and the 3DS logo are registered trademarks of Dassault Systèmes or its subsidiaries in the US and/or other countries.
Microsoft, Windows and BizTalk are registered trademarks of Microsoft Corporation in the United States and/or other countries.
IBM and WebSphere are registered trademarks of International Business Machines Corporation in the United States, other Countries, or both.
Rev. 09/08

Client Requirements | Server Requirements
---|---
• Pentium IV 2.4 GHz or higher | • Microsoft Windows 2003 R2 (32bit), Standard or Enterprise Edition
• Memory: 1GB or higher | • SmarTeam – Editor Configuration V5R19
• Free disk space: 2 GB | Middleware Integration Microsoft BizTalk Server
• Network Connection: 100 MB/sec NIC or higher | • Microsoft BizTalk Server 2006 Standard Edition or Enterprise Edition
• Network Connection: 100 MB/sec NIC or higher | • Microsoft SQL Server 2005
Note: Based on workload, level of communication and volume of exchanged data, the Gateway Server may be installed on a dedicated machine.

* System administrator with knowledge of Microsoft BizTalk Server is required for implementation and maintenance
- BizTalk Partner Edition requires MSDE only. For additional information on BizTalk: http://www.microsoft.com/biztalk
- Based on selected integration topology. SmarTeam - Gateway can be used without middleware.
- For complete system requirements, see HW/SW Requirements document.