

ENOVIA SmarTeam and ENOVIA Web-Based Learning Solutions Version 5 Release 19 Modification Level 0

ENOVIA SmarTeam V5.19 includes the following benefits:

- Extends remote access to users over the Web
- Accelerates performance and efficiency of remote CATIA data management
- Reduces implementation time with preconfigured yet modular out-of-the-box Product Lifecycle Management (PLM) to accelerate return on investment
- Improves design collaboration across the supply chain
- Facilitates real-time business insight and better decision making through lifelike enterprise collaboration using ENOVIA 3DLive

- Web browsers:
 - Windows: Microsoft Internet Explorer 7.0
 - Mozilla 1.7

APIs are delivered for the following products:

- SmarTeam - Editor
- SmarTeam - Workflow
- SmarTeam - BOM
- SmarTeam - Editor Web-based client/Navigator (through a server-side hooks mechanism)
- SmarTeam - Community Workspace (CMT) (through a server-side hooks mechanisms)

Hardware Requirements

In this release the hardware and software requirements are combined; refer to the section, **Minimum Hardware and Software Requirements**.

Key Prerequisites

ENOVIA SmarTeam V5 desktop applications run on selected system levels of Microsoft® Windows®.

The client side of ENOVIA SmarTeam V5 Web products (SmarTeam - Editor Web-based client, SmarTeam - Navigator and SmarTeam - Community Workspace) run on selected system levels of:

- Operating systems:
 - Windows XP® Professional SP2 x86 (32-bit) and x64 (64-bit)
 - Microsoft Windows Vista Business x64 (64-bit) Edition
 - Microsoft Windows Server 2003® SP2 or 2003 R2 SP2 x86 (32-bit) Standard Edition or Enterprise Edition
 - Enterprise Red-Hat Linux 4
 - Novell (SUSE) Linux Desktop 9

Note:

- DS Viewer is not supported on the Linux operating system.
- As of V5.19, UNIX® is no longer supported for Web-based access using either SmarTeam - Editor Web-based client, SmarTeam - Navigator, or SmarTeam - Community Workspace

The SmarTeam - CATIA Integration API is provided in the CATIA media (CAA Automation APIs).

Database Servers

- IBM DB2® 8.2.4
- IBM DB2 8.1 with Fix Pak 11
- Oracle® 10g R2
- Microsoft SQL server 2005 Enterprise
- Microsoft SQL server 2005 SP2 Standard Edition
- Microsoft SQL server 2005 SP2 Express Edition (formerly MSDE)

ENOVIA SmarTeam ships with IBM DB2 or Oracle Relational Database Managers (RDBMSs) as part of its product package. Refer to the **Use of Database Components** section for additional information.

For database operating system and hardware requirements, refer to the Web site of the appropriate vendor

<http://www.ibm.com/software/data/db2>
<http://www.oracle.com/products>
<http://www.microsoft.com/sql>

Minimum Hardware and Software Requirements

Note: The latest version of the *ENOVIA SmarTeam V5.19 Hardware and Software Requirements* document is available from the *ENOVIA SmarTeam Program Directory*.

Important: All ENOVIA SmarTeam servers must be installed on member server machines only. (Member servers are those servers in your Active Directory environment that do not provide authentication

for domain user accounts.) They must not be installed on a machine that also provides additional network services, for example, domain controllers (primary domain controller or backup domain controller), WINS servers, and DNS servers.

SmarTeam - Foundation

SmarTeam - Foundation provides server components for both SmarTeam Windows and Web applications. Dedicated servers will be installed upon selected configuration.

For SmarTeam Windows-based applications:

- Vault server
- Session/Configuration Services
- Full Text Search server

In addition to the previously listed servers, SmarTeam Web applications need the following:

- Web server
- Community Workspace server
- Web Viewer server

Note: The Web-based servers are available on the Web Application CD.

The Workflow server is applicable across SmarTeam Windows and Web-based applications. Refer to the **SmarTeam - Workflow** section for system requirements.

Minimum Hardware Requirements

- Dual Core 1.8 GHz or higher
- Memory: 1 GB or higher
- Hard disk space: 750 MB
- Network connection to Servers: TCP/IP

Minimum Software Requirements

- Windows XP SP2 Professional x86 (32-bit) or x64 (64-bit) for demonstration purposes only
- Windows Server 2003 SP2 or 2003 R2 SP2 x86 (32-bit), Standard Edition or Enterprise Edition
- Windows Server 2003 R2 x64 (64-bit), Standard Edition or Enterprise Edition
- Web Server: Microsoft Internet Information Services 6.0
- Runtime Environment: Microsoft .NET Framework 3.0

Vault Server

Hardware Requirements

As specified for SmarTeam - Foundation V5.19

Note: More hard disk space may be required for actual vault directories, if they reside on the same computer.

Software Requirements

- As specified for SmarTeam - Foundation V5.19

- Vault directories must be deployed on an NTFS partition if reside on the Windows server. Vault directories may also be deployed on UNIX/Linux platforms. For UNIX/Linux usage, Samba 2.2.8a Windows emulation must be used.

Notes

- As Vault Server workload may vary in different production environments, review specific Vault requirements. For more information, refer to the *SmarTeam - Foundation Administration Guide*, which is available in the SmarTeam Documentation CD.
- For V5.19, SmarTeam's Vault server can be used for demonstration purposes on machines which are running Microsoft Windows XP Professional SP2. Although Windows XP is not planned to be used as a server, tests have been performed to ensure that the system will work properly during demonstrations. Because the Windows XP system is not intended to be used as a server, it must not be used in production.
- It is highly recommended to install Vault, Workflow, and Session/Configuration services on a different server machine.

Session/Configuration Services

Hardware Requirements

As specified for SmarTeam - Foundation V5.19

Software Requirements

As specified for SmarTeam - Foundation V5.19

SmarTeam - Workflow Server

Hardware Requirements

As specified for SmarTeam - Foundation V5.19

Software Requirements

As specified for SmarTeam - Foundation V5.19

Full Text Search Server

Hardware Requirements

Important: The Full Text Search (FTS) database search capability is supported only within Oracle or Microsoft SQL server, according to SmarTeam supported database product versions.

- For database requirements, refer to the appropriate vendor at the following sites
 - <http://www.microsoft.com/sql>
 - <http://www.oracle.com/products>
- For the vault, refer to the **Vault Server Software** requirements section.

Software Requirements

As specified for SmarTeam - Foundation V5.19

Notes

- If the selected database is Microsoft SQL server, Microsoft SQL server's Full text Search component should be selected and installed during the MS SQL Database server installation.
- If the selected database is Oracle, Oracle's Intermedia Cartridge component should be selected and installed during the Oracle Database server installation.

SmarTeam Web Server

Hardware Requirements

Allows Web access for SmarTeam - Editor Web-based client and/or SmarTeam - Navigator.

As specified for SmarTeam - Foundation V5.19

- Memory: 4 GB RAM or higher
- 100 MB/s NIC or higher

Note: The Web Editor server must be installed on a separate dedicated machine.

Software Requirements

As specified for SmarTeam - Foundation V5.19

- Web server: Microsoft Internet Information Services 6.0 for Windows server 2003
- Internet Protocol (TCP/IP) with static IP address
- Microsoft Internet Explorer 6.0 SP1, SP2, and 7.0
- Database client
- SmarTeam - Editor V5.19
- Local or network access to SmarTeam - Web Viewer

Notes

- For V5.19, SmarTeam Web server can be used for demonstration purposes on machines which are running Microsoft Windows XP Professional SP2. Although Windows XP is not planned to be used as a server, tests have been performed to ensure that the system will work properly during demonstrations. Because a Windows XP system is not intended to be used as a server, it must not be used in production.
- When using Windows server 2003, verify that ASP.NET is installed: Navigate to **Control Panel / Add-Remove Software / Windows Components / Application Server**, and verify that the ASP.NET component is checked.

Community Workspace Server

Hardware Requirements

Allows Web access for SmarTeam - Community Workspace Product.

- As specified for SmarTeam - Foundation V5.19
- 100 MB/s NIC or higher

Note: The Community Workspace server must be installed on a separate dedicated machine.

Software Requirements

As specified for SmarTeam - Web Server, except that it only runs on Windows Server R2 x86 (32-bit), Standard Edition or Enterprise Edition.

Note: For V5.19, SmarTeam - Community Workspace can be used for demonstration purposes on machines running Microsoft Windows XP Professional SP2. Although Windows XP is not planned to be used as a server, tests have been performed to ensure that the system will work properly during demonstrations. Because a Windows XP system is not intended to be used as a server, it must not be used in production.

SmarTeam Web Viewer Server

SmarTeam Web Viewer is a Web-based server solution for viewing and redlining. It is used with the Web server.

Hardware Requirements

- As specified for SmarTeam - Foundation V5.19
- 100 MB/s NIC

Note: The Web Viewer is used both by the Web Server and the Community Workspace Server. The Web Viewer Server must reside on a separate dedicated server machine

Software Requirements

- As specified for SmarTeam - Foundation V5.19
- Internet Protocol (TCP/IP) with permanent IP address
- Internet Explorer 6.0 SP1, SP2, and 7.0

DS Viewer Server

Hardware Requirements

- As specified for SmarTeam - Foundation V5.19
- Memory: 4 GB RAM or higher
- 100 MB/s NIC or higher

Software Requirements

- As specified for SmarTeam - Foundation V5.19, except that it only runs on Windows XP SP2 Professional x86 (32-bit).
- Internet Protocol (TCP/IP) with static IP address or dedicated DNS name
- Microsoft Internet Explorer 6.0 SP1, SP2, and 7.0
- Database client
- SmarTeam - Editor V5.19
- Local or network access from SmarTeam - Web server and/or SmarTeam - Editor clients.

Note: When using Windows server 2003, verify that ASP.NET is installed by navigating to **Control Panel / Add-Remove Software / Windows Components / Application Server**, and ensure that the ASP.NET component is checked.

SmarTeam - Multi-site

Client (Admin/Run time)

Hardware Requirements

As specified for SmarTeam - Foundation V5.19

Software Requirements

As specified for SmarTeam - Foundation V5.19

The Administration Tools can be installed only on Server operating systems.

Server Database Replication

Hardware Requirements

- As specified for SmarTeam - Foundation V5.19
- Storage: Dual channel RAID controller with 2+5 disks using Ultra 160 SCSI drives 10,000 RPM or higher
- Available 192 KB connection between sites

Software Requirements

Oracle 10g R2 and its prerequisites

Notes

- The database replication mechanism is currently available on Oracle only.
- A professional database administrator (DBA) with knowledge of Oracle Replication is required on site for installation and on-going maintenance.
- For database operating system requirements, refer to the appropriate vendor at the following site

<http://www.oracle.com/products>

Vault Replication - RepliWeb Deployment Suite (RDS)

Hardware Requirements

- As specified for SmarTeam Foundation - V5.19
- RepliWeb Deployment Suite (RDS) 2.6 does not require special hardware configuration. It can work either on the vault server itself or any other computer with sufficient resources. Resource allocation for RepliWeb does not require a dedicated or specialized computer.
- Disk space: 100 MB free disk space
- Available 192KB connection between sites (depends on database size and frequency of updates). This parameter will depend highly on the total data volume, number of users and files, and intensity of communications.

Note: For hardware requirements of the vault server, refer to the **SmarTeam - Foundation** section.

Software Requirements

SmarTeam - Multi-site provides the means to configure and work in an environment where each vault has a parallel vault on all other sites.

For vault server system requirements, refer to the **SmarTeam - Foundation Vault Server** software section.

Prerequisites

- A server named RepliWeb RDS (RDS 2.6), which is used to replicate files between sites.
- A service called RepliWeb Drive Mapper (RDM), which complements the RDS server. RDM is required only in cases where RDS is running under Win32 environment, and the vault directories reside on a computer other than the vault server machine.

Installations details are available at: <http://www.3ds.com/support>

Notes

- Customers may choose to use a different file replication tool available in the market.
- Storage configuration is highly dependent on backup and restore strategy, and performance considerations

SmarTeam - Multi Site Vault

Client (Admin/Run time)

Hardware Requirements

As specified for SmarTeam - Foundation V5.19.

Software Requirements

As specified for SmarTeam - Foundation V5.19. The Administration Tools can be installed only on server operating systems.

Vault Replication

Hardware Requirements

- As specified for SmarTeam - Foundation V5.19
- RepliWeb Deployment Suite (RDS) does not require special hardware configuration and can run on the SmarTeam Vault server or any other computer with sufficient resources. Resource allocation for RepliWeb does not require a dedicated or specialized computer.
- Disk space: 100 MB
- Available 192-KB connection between sites (depending on database size and frequency of updates). This parameter depends on the total data volume, number of users, files and intensity of communications.

Note: For hardware requirements of the SmarTeam Vault server, refer to the **SmarTeam - Foundation** requirements section.

Software Requirements

SmarTeam - Multi-site provides the means to configure and work in an environment where each vault has a parallel vault on all other sites. For Vault Server requirements, refer to the **SmarTeam - Foundation Vault Server** requirements section.

Prerequisites

Microsoft DFS (Distributed File System) or RepliWeb RDS

- **Distributed File System** - In order to activate a working DFS Replication system between vault sites:
 - All storage machines must run on Windows server 2003 R2 operating system.
 - The network topology must have an active directory and a domain controller.

- All storage machines on all sites must be in the same forest. You cannot enable replication across servers in different forests.
- The vaults must be located on NTFS volumes. They cannot be mapped to the storage machines by NFS. This means that files cannot be located on special storage solutions. UNIX machines are also not supported.

Note: Clusters are not supported on the DFS service.

- **RDS**
 - A server named RDS (RDS 2.6), which is used to replicate files between sites.
 - A service named RepliWeb Drive Mapper (RDM), which complements the RDS server. RDM is required only in cases in which RDS runs under the Win32 environment and the vault directories reside on a computer other than the vault server machine.

Installations details are available at: <http://www.3ds.com/support>

SmarTeam - Gateway

Hardware Requirements

- Pentium® IV 2.4 MHz or higher
- Memory: 1 GB or higher
- Free disk space: 2 GB
- 100 MB/s NIC or higher

Note: Based on workload, level of communication and volume of exchanged data, the Gateway server may be installed on a dedicated machine.

Software Requirements

- As specified for SmarTeam - Foundation V5.19, except that it only runs on Windows Server 2003 R2 x86 (32-bit), Standard Edition or Enterprise Edition.
- Microsoft Windows XP SP2 Professional x86 (32-bit) only for demonstration purposes.

Microsoft BizTalk server

- Microsoft BizTalk server 2006 Standard Edition or Enterprise Edition
- Microsoft SQL server required for Microsoft BizTalk 2006
- Microsoft Windows server Windows 2003 SP2 or 2003 R2 SP2 (32-bit), Enterprise Edition or Standard Edition

For additional details on Microsoft BizTalk and its prerequisites, visit

<http://www.microsoft.com/biztalk>

Notes

- Based on selected integration topology, SmarTeam - Gateway can be used without middleware.

- Administrator-level knowledge of middleware (BizTalk) is required for implementation.
- The implementation of this product also requires prior SmarTeam certification.

SmarTeam - Job Server

Hardware Requirements

As specified for SmarTeam - Foundation V5.19

Software Requirements

- As specified for SmarTeam - Foundation V5.19, except that it only runs on Windows Server 2003 R2 x86 (32-bit), Standard Edition or Enterprise Edition.
- SmarTeam - Editor V5.19 and its prerequisites
- IIS 6.0 or 7.0 for SMTP e-mail services
- Authoring software for printing/silent release (Microsoft Word and Excel, AutoCAD, and SolidWorks in their supported versions).

SmarTeam - Development Suite

Hardware Requirements

- As specified for SmarTeam - Editor V5.19
- For i-Platform server component
 - 1.8 GHz or higher
 - Memory: 1GB or higher
 - Free hard disk space: 750 MB
 - 10/100 MB/s NIC or higher

Software Requirements

i-Platform and SmartIFX SDK Components

- As specified for SmarTeam - Editor V5.19.
- SmarTeam - Editor V5.19.
- A Java(TM) development environment capable with JDK 1.6 update 4 is required to use the supplied libraries and samples.
- Runtime Environment: Microsoft .NET Framework 3.0.
- Microsoft Internet Explorer 7.0.
- Mozilla 1.7.

SmarTeam - Workflow

Minimum Hardware Requirements

As specified for SmarTeam - Editor V5.19

Minimum Software Requirements

As specified for SmarTeam - Editor V5.19

SmarTeam - BOM

Hardware Requirements

As specified for SmarTeam - Editor V5.19

Software Requirements

As specified for SmarTeam - Editor V5.19

Note: SmarTeam - BOM Briefcase can be used without SmarTeam - Editor.

SmarTeam - Editor

Windows

Hardware Requirements

- Pentium IV 2.4 GHz or higher
- Memory: 512 MB or higher
- Free disk space: 750 MB
- Network connection to SmarTeam - Foundation servers: TCP/IP

Software Requirements

- Windows XP Professional SP2 x86 and x64 (run as 32-bit)
- Microsoft Windows Vista Business x64 (64-bit) Edition
- Windows server 2003 SP2 or 2003 R2 SP2 x86 (32-bit), Standard Edition or Enterprise Edition
- Microsoft Windows Server 2003 R2 x64 (64-bit), Standard Edition or Enterprise Edition
- SmarTeam - Editor includes Microsoft Word and Excel Integrations. Both integrations support Word and Excel in the following versions:
 - 2003 SP3
 - 2007
- For sending e-mail messages from SmarTeam - Editor, Microsoft Outlook 2003 SP2, 2007 and Lotus Notes 7 and 7.5.1 and Live Communication Server 2005 (ENOVIA 3DLive) are supported.
- Microsoft Internet Information Services (IIS) is required for SmarTeam - Editor if the System Configuration Editor is installed as part of the SmarTeam Administrator tools. For Windows 2003, IIS 6.0 (32-bit) is required.
- Runtime Environment: Microsoft .NET Framework 3.0

Miscellaneous

Oracle AutoVue 19.2 c1 is supported, and it is available through the Oracle Electronic Product Delivery (EPD) Web site; refer to

<http://edelivery.oracle.com>

Web-based Client

Software Requirements

Operating systems

- Windows XP Professional SP2 x86 (32-bit) and x64 (64-bit)
- Microsoft Windows Vista Business x64 (64-bit) edition
- Microsoft Windows Server 2003 SP2 or 2003 R2 SP2 x86 (32-bit), Standard Edition or Enterprise Edition.
- Enterprise Red-Hat Linux 4
- Novell (SUSE) Linux Desktop 9

Web browsers

- Windows: Microsoft Internet Explorer 7.0
- Mozilla 1.7

Miscellaneous

- For Windows: Sending e-mail messages from SmarTeam - Editor Web client, Microsoft Outlook 2003 SP2, 2007 and Lotus Notes 7 and 7.5.1 are supported.
- For performing different actions on client machine: JAVA plug-in SUN(TM) JRE 1.6 Update 2 or Update 4 for HTTPs.

Note:

- DS Viewer is not supported on the Linux operating system.
 - As of V5.19, UNIX is no longer supported for Web-based access using either SmarTeam - Editor Web-based client, SmarTeam - Navigator, or SmarTeam - Community Workspace
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SmarTeam - Navigator

As specified for SmarTeam - Editor Web-based client

SmarTeam - Community Workspace

Software Requirements

- Operating systems - As specified for SmarTeam - Editor Web-based client
 - Web Browsers - Windows Microsoft Internet Explorer 7.0
 - Miscellaneous
 - Extraction utility for zip files.
 - For sending e-mail messages from SmarTeam - Community Workspace: Microsoft Outlook 2003 SP2 and 2007.
 - For performing specific actions on the client machine: Java Plug-in SUN JRE 1.6 Update 2 or Update 4 for HTTPs.
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CAD Integrations

SmarTeam - CATIA Integration

Hardware Requirements

As specified for SmarTeam - Editor V5.19

Software Requirements

- As specified for SmarTeam - Editor V5.19
- SmarTeam - Editor V5.19
- CATIA and ENOVIA DMU Navigator V5.17, V5.18, or V5.19

Note: Verify that the minimum CATIA hardware and software requirements are met.

- Windows XP Professional SP2 x86
- Runtime Environment: Microsoft .NET Framework 3.0
- SmarTeam - Editor V5.19
- Solid Edge V20

Note: Verify that the minimum Solid Edge hardware and software requirements are met.

SmarTeam - SolidWorks Integration

Hardware Requirements

As specified for SmarTeam - Editor V5.19

Software Requirements

- Windows XP Professional SP2 x86
- Runtime Environment: Microsoft .NET Framework 3.0
- SmarTeam - Editor V5.19, and its prerequisites
- SolidWorks 2008

Note: Verify that the minimum SolidWorks hardware and software requirements are met.

SmarTeam - AC Integration

Hardware Requirements

As specified for SmarTeam - Editor V5.19

Software Requirements

- Windows XP Professional SP2 x86
- Runtime Environment: Microsoft .NET Framework 3.0
- SmarTeam - Editor V5.19
- AutoCAD 2008

Note: Verify that the minimum AutoCAD hardware and software requirements are met.

SmarTeam - IN Integration

Hardware Requirements

As specified for SmarTeam - Editor V5.19

Software Requirements

- Windows XP Professional SP2 x86
- Runtime Environment: Microsoft .NET Framework 3.0
- SmarTeam - Editor V5.19 (EDR) and its prerequisites
- Inventor 2008

Note: Verify that the minimum Inventor hardware and software requirements are met.

SmarTeam - Program Management

Hardware Requirements

As specified for SmarTeam - Editor V5.19

SmarTeam - CATIA Supply Chain Engineering Exchange

Hardware Requirements

As specified for SmarTeam - Editor V5.19

Software Requirements

- As specified for SmarTeam - Editor V5.19
- SmarTeam - Editor V5.19
- CATIA and ENOVIA DMU Navigator V5.17, V5.18, and V5.19

Note: Verify that the minimum CATIA hardware and software requirements are met.

SmarTeam - CATIA Web Integration (CWI)

Hardware Requirements

As specified for SmarTeam - Editor V5.19

Software Requirements

- Windows XP Professional XP SP2 x86 (32-bit) and x64 (64-bit)

Note: On Windows x64 (64-bit), SmarTeam - CATIA Web Integration supports both configurations:

- CATIA 64-bit + ClientLibraries 64-bit
- CATIA 32-bit + ClientLibraries 32-bit
- Microsoft Windows Vista Business x64 (64-bit) edition
- CATIA and ENOVIA DMU Navigator V5.19.
- Web Browser: Microsoft Internet Explorer 6.0 SP2 and 7.0 (32-bit)
- Connection to the SmarTeam Web server V5.19.
- CATIA and SmarTeam - Web Editor server must have the same level of Release and Service Pack.

Note: Verify that the minimum CATIA hardware and software requirements are met.

SmarTeam - SE Integration

Hardware Requirements

As specified for SmarTeam - Editor V5.19

Software Requirements

Software Requirements

- As specified for SmarTeam - Editor V5.19.
- For project managers, MS-Project(R) 2003 Service Pack 2 must also be installed.

Note: Verify that MS-Project software requirements are met.

SmarTeam - Regulatory Compliance Framework

Hardware Requirements

As specified for SmarTeam - Editor V5.19

Software Requirements

As specified for SmarTeam - Editor V5.19

- Microsoft Active Directory
- SUN Java System Directory server Enterprise Edition 5.2
- Novell eDirectory 8.7.3

National Language Support

The English version is the default ENOVIA SmarTeam language. In addition, official translations to German, French, and Japanese are provided to the following components:

- ENOVIA SmarTeam Demo database
- Errors and messages files
- ENOVIA SmarTeam documentation (online help and manuals)

ENOVIA SmarTeam is a multi-language software, and currently runs on various languages at customer sites.

Additional Software Requirements

License Use Management

Network access to Dassault Systemes License Use Management (LUM) server 4.6.8 Patch 3 is required to serve concurrent license keys across a network.

Dassault Systemes LUM 4.6.8 Patch 3 Runtime servers can be used on Windows or UNIX license servers.

This version can be downloaded at no charge from <http://www.3ds.com/support/resource-library/> or a request for a physical media can be placed through the Dassault Systemes Support.

LUM Runtime software V4.6.8 comes with the full set of ENOVIA SmarTeam CD-ROMs, or may be obtained from the LUM Web site at no charge.

Important: LUM 4.6.8 keys, including Nodelocked keys, cannot be used on virtual machines such as VMware.

LUM's High Availability Licensing feature may be used with ENOVIA SmarTeam. LUM dynamic license management (the ability to acquire and release LUM keys in the middle of a session) and LUM concurrent offline licenses (LUM keys intended for disconnected laptop users) are not supported. Users of the CATIA integrations should take special note of this restriction, as CATIA itself does support these functions for its native add-on and shareable products.

Software License Keys for RepliWeb

RepliWeb's RDS and RDM products, which are optional co-requirements of SmarTeam - Multi-site (MUS) and SmarTeam Multi-site Vault (MUV), require their own software license keys. These must be obtained from Dassault Systemes Israel Ltd.

For details, refer to the SmarTeam Registration document.

Lightweight Directory Access Protocol (LDAP)

ENOVIA SmarTeam Authentication supports the following LDAP systems:

- IBM Tivoli Directory server 6.0

Documentation

Online help is provided with ENOVIA SmarTeam V5 product CD-ROMs.

Documentation available on the program directory CD-ROM includes:

- Product Enhancements Overview (What's New)
- Hardware and software requirements
- Upgrade document
- Installation notices and modifications
- Release notes (general, open and closed issues)

A full set of documentation is available on the documentation CD-ROM:

- Prerequisite guides
- Online help (user guide)
- Administrator guides
- Installation guides

Various guides are readily accessible using a standard Web browser.

Portable Documentation Format (PDF) documentation is delivered for different guides. Browsing and printing of these documents requires the availability of Adobe Acrobat Reader. Acrobat Reader can be downloaded from

<http://www.adobe.com>

Each shipment of ENOVIA SmarTeam WLS V5.18 will include:

- SmarTeam User Companion Fundamentals Product for Windows CD-ROM (LCD4-7421)
- SmarTeam User Companion CATIA Integration Product for Windows CD-ROM (LCD4-7820)

Programming Requirements

Release Supported Software Requirements

In this release the hardware and software requirements are combined; refer to the **Minimal Hardware and Software Requirements** section.

For SmarTeam WLS hardware and software requirements, refer to Software Announcement CATIA V5.19 and CATIA V5.19 Web-based Learning Solutions.

Licensed Program Materials Availability

- Restricted materials - No. This licensed program is available without source licensed program materials. It is available in object code only.

Supplemental Terms

Type/Duration of Program Services (also referred to as "Support Services")

You will find all necessary information including processes, on Dassault Systemes web site :

<http://www.3ds.com/terms/support-policies>

Terms and Conditions

Independent Software Vendors and Service Providers

Independent software vendors and service providers must obtain licenses to the SmarTeam Software Development Suite directly from Dassault Systemes SA.

An "independent software vendor" or "ISV" is an entity that has as a core business the development of generally available application programs for computer-aided design/engineering/manufacturing and product-integrated management.

A "service provider" is an entity, which has as a core business the delivery of consulting, integration and other information systems services to third parties in the areas of computer-aided design/engineering/manufacturing and product integrated management.

Use of SmarTeam Software Development Suite by Other Entities

The following provisions ("Additional Supplemental Terms") are in addition to the terms and conditions in the Dassault Systemes Customer Agreement or any equivalent agreement executed by you and Dassault Systemes (the "Agreement"). You may not use the Program if you do not have a valid Agreement in place with Dassault Systemes or if you do not accept these Additional Supplemental Terms. Any capitalized terms that are not defined herein are defined in the Agreement.

You are licensed to distribute your applications developed with the SmarTeam Software Development Suite, hereinafter known as "V5 Complementary Applications," to your subcontractors and direct and

indirect suppliers solely for performance of work by such subcontractors and suppliers for your benefit. This license includes your right to authorize your subcontractors and direct and indirect suppliers to use, execute, reproduce, display, perform and distribute internally the V5 Complementary Applications.

The rights and licenses granted in the Agreement and in these Additional Supplemental Terms do not include the right to use the SmarTeam Software Development Suite in the provision of services to a third party. Permission from Dassault Systemes S.A. is required to do so.

In addition, the rights and licenses granted in the Agreement and in these Additional Supplemental Terms DO NOT include the right to make the V5 Complementary Applications generally available. For this purpose, generally available shall mean the general release or other distribution of the V5 Complementary Applications as commercially available, directly or through other parties, for use by end user customers. An Agreement with Dassault Systemes S.A. is required to do so.

Use of Database Components

ENOVIA SmarTeam V5.19 is shipped with either the DB2 program or with Oracle 10g (R) (Oracle). You are authorized to use DB2 or Oracle products only in conjunction with and in support of the Solution (as defined below), and are authorized to install and use DB2 or Oracle only in association with your licensed use of the ENOVIA SmarTeam products for the storage and management of data used or generated by the Solution and not for any other data management purposes. Only inbound and outbound data transactions in which the Solution directly creates, reads, updates or deletes data are permitted.

Examples of uses not permitted include (i) inbound connections to the database from other applications for queries or report generation, or (ii) outbound database connections in which the Solution provides no added value to the data transaction.

The Solution and DB2 or Oracle can be installed on either the same server or separate servers. In the case where DB2 or Oracle is installed on a separate server, the access point to the DB2 or Oracle server must be solely through the Solution server.

Solution is defined as any ENOVIA VPLM or ENOVIA SmarTeam program product other than those listed as follows:

- SmarTeam - Development Suite, a component of the program product SmarTeam - Development Suite Configuration
- SmarTeam - Development Suite, a component of the program product SmarTeam - Development Suite Configuration
- All CAA RADE products and APIs

Educational Allowance Available

No.

ENOVIA SmarTeam V5 is available under the Dassault Systemes Academic Program.

Oracle Component Sublicense

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ENOVIA SmarTeam adheres to the CATIA V5 license management model (exceptions are noted).

The License Management Model

The CATIA license management model is referenced here for two reasons. First, because it applies to the CATIA integration product. Secondly, this model is the basis for SmarTeam's use of LUM. Wherever SmarTeam varies from the CATIA model, usually for architectural reasons, the exception is stated.

CATIA V5 License Management Model

CATIA controls the number of concurrent users of a CATIA configuration or product, according to the number of license keys acquired for the configuration or product.

CATIA V5 delivers identical license management mechanisms on UNIX and Windows environments, based on Dassault Systemes License Use Management (LUM). (ENOVIA SmarTeam is Windows only.) The following license management principles apply:

- A CATIA V5 configuration (standard or custom) will require a license key. (In ENOVIA SmarTeam, configurations are implemented with separate Product license keys.) License keys for CATIA V5 configurations are acquired and released for the total configuration. The products within a configuration cannot be shared. (In ENOVIA SmarTeam this rule may not be strictly enforced. However, it should be adhered to, as it may be enforced in future releases.)
- Each CATIA V5 shareable product will require a license key, in addition to one for the prerequisite configuration and any prerequisite product, if applicable.
- In all cases, CATIA configuration license keys are acquired at the beginning of the process and are released at its termination.
- CATIA V5 add-on (AOP) and shareable products may require license keys for prerequisite products that are not already included in a standard configuration. Prerequisites for shareable products can be satisfied by a standard configuration, by an AOP within a custom configuration, or by a shareable product. However, because all AOPs are defined within one custom license key, any AOP prerequisites must be satisfied by either a standard configuration or by other AOPs purchased and defined within the same custom configuration. (Due to the mentioned exception, this rule does not apply in ENOVIA SmarTeam. However, it should be adhered to, as it may be enforced in future releases.)

CATIA V5 can be used in three license management modes: nodelock, with concurrent usage of license keys on a network, or concurrent offline license management. (ENOVIA SmarTeam does not support concurrent offline license management.)

Nodelock Usage: The use of a local display is mandatory for CATIA V5 usage in nodelock mode. There is no limit to the number of CATIA V5 processes launched for a given license key (configuration or product). For instance, a user can launch the following simultaneous processes:

- A V5 interactive session
- A V5 process executed through an OLE container application
- Replay of macros recorded from captured sequences of V5 user interactions

In the nodelock mode of operation, only one CATIA license key per configuration and shareable product can be registered per machine, and only one CATIA user can run at a time on that machine. If multiple license keys per configuration or shareable product, or multiple users on a single machine, are required, refer to the **Concurrent Usage** section.

Concurrent Usage: A user on one machine on one display uses one license key per configuration or shareable product used, regardless of the number of processes. If the display changes, then an additional license key is taken for the corresponding process.

Dynamic License Management: (Does not apply to ENOVIA SmarTeam - dynamic license management is not supported in ENOVIA SmarTeam.) CATIA shareable product license keys can be acquired and released during the session. (The ability to acquire and release licenses is not available for configurations.) Shareable license keys acquired at the beginning of the session cannot be released before the end of the session; only license keys dynamically granted upon user request during the session can be released during the session.

Concurrent Offline License Management: (Does not apply to ENOVIA SmarTeam - concurrent offline license management is not supported in ENOVIA SmarTeam.) A concurrent license key control technique is available via the LUM server.

Note: Concurrent offline license management is not available on 64-bit platforms.

It gives CATIA, ENOVIA DMU, DELMIA, and RADE applications running on a Windows laptop the ability to disconnect from the license key server for a specific period of time. During the checkout period, the server license key is unavailable for use by another concurrent user. This feature is designed to add additional flexibility to a user's work environment. It is offered to accommodate short-term travel needs and collaboration while away from a fixed office environment or server connection. All terms and conditions, including cross-border licensing terms, are unchanged, and users will check-out and check-in license keys at their home server, where rules and procedures are controlled by LUM.

Note to Users of the Following ENOVIA SmarTeam-Branded CATIA Integration Products:

- SmarTeam - CATIA Team PDM Configuration (TDM)
- SmarTeam - CATIA Team PDM Engineering Configuration (TDE)
- SmarTeam - CATIA Web Team PDM Configuration (TDW)
- SmarTeam - CATIA Web Team PDM Engineering Configuration (TWE)
- SmarTeam - CATIA Integration Product (CAI)
- SmarTeam - CATIA Web Integration Product (CWI)

These ENOVIA SmarTeam products do not support dynamic or concurrent offline license management. Licenses for these products are acquired dynamically when the function is invoked from CATIA and may not be released until the CATIA session is ended.

Designated Machine Identification

No

Test Period

No

Use-Based Charges/Usage Restrictions

Charges for this program are based on the number of users logged on at any time. The total number of users logged on may not exceed the number for which you have been authorized. If the total number exceeds your authorization, you must notify Dassault Systemes and obtain additional authorizations.

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