



ENOVIA SmarTeam

SmarTeam V5R20 Product Hardware and Software Requirements

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INTRODUCTION

This document outlines the minimum hardware and software requirements needed for each SmarTeam product.

The requirements presented in this document are the minimum needed for SmarTeam products to operate without regard to special performance issues. If higher performance is required for a specific SmarTeam installation, an assessment and sizing should be performed before providing any specific hardware recommendation.

The latest version of the SmarTeam V5R20 Hardware and Software Requirements document is available from the ENOVIA SmarTeam Program Directory.

The latest information on CAD and OS compatibility is available at <http://www.3ds.com/support/>

IMPORTANT: All SmarTeam products must be installed on member servers only. They must not be installed on a server that also provides additional network services, for example, domain controllers (PDC or BDC), WINS servers, DNS servers.

SERVER PRODUCTS

SMARTTEAM – FOUNDATION

MINIMUM HARDWARE REQUIREMENTS

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

SOFTWARE REQUIREMENTS

- Windows Server 2003 SP2 (32 and 64 bit), Standard Edition or Enterprise Edition
- Windows Server 2003 SP2 R2 (32 and 64 bit), Standard Edition or Enterprise Edition
- Windows Server 2008 (32 and 64 bit), Standard Edition or Enterprise Edition
- Windows XP Pro SP3 (32 bit) (For demo use only)
- Windows XP Pro SP2 (64 bit) (For demo use only)
- Vista Business SP1 (32 and 64 bit) (For demo use only)
- Microsoft Internet Information Services 6
- Microsoft Internet Information Services 7
- Microsoft .NET Framework 3.5 SP1

DATABASE CLIENT REQUIREMENTS

- Oracle 10g (32 bit)
- Oracle 11.1g (32 bit)

Note: Because SmarTeam is a 32 bit application, Oracle 32 bit client installation must be used.

VAULT SERVER

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Foundation](#)
Note: More hard disk space may be required for actual vault directories, if these reside on the same computer

SOFTWARE REQUIREMENTS

- As specified for [SmarTeam – Foundation](#)
- Vault directories must be deployed on an NTFS partition if they 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:

1. As Vault Server workloads may vary in different production environments, it is recommended to review specific Vault requirements. For more information, refer to the SmarTeam – Foundation Administration Guide.

2. For V5R20, SmarTeam Vault Server can be used for demo purposes on machines which are running Microsoft Windows XP Pro. As the Windows XP system is not aimed to be used as a server, it *must not* be used in production.
3. It is highly recommended to install Vault, Workflow and Session/Configuration services on different server machines.

SESSION / CONFIGURATION SERVICES

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Foundation](#)

SOFTWARE REQUIREMENTS

- As specified for [SmarTeam – Foundation](#)

SMARTTEAM – WORKFLOW SERVER

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Foundation](#)

SOFTWARE REQUIREMENTS

- As specified for [SmarTeam – Foundation](#)

FULL TEXT SEARCH SERVER

MINIMUM HARDWARE REQUIREMENTS

- For Database requirements, refer to the appropriate vendor at the following sites:

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

<http://www.microsoft.com/sql/default.asp>

- For the Vault refer to the [Vault Server](#)

SOFTWARE REQUIREMENTS

- As specified for [SmarTeam – Foundation](#)

Notes:

If the selected database is Microsoft SQL Server, MS 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 Intermediary Cartridge component should be selected and installed during the Oracle Database Server installation.

SMARTTEAM WEB SERVER

SMARTTEAM – WEB EDITOR / SMARTTEAM – NAVIGATOR

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Foundation](#)
- Memory: 4 GB RAM or higher
- 100 MB/sec NIC or higher

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

SOFTWARE REQUIREMENTS

- As specified for [SmarTeam – Foundation](#)
- Microsoft Internet Information Services 6.0 for Windows Server 2003
- Microsoft Internet Information Services 7.0 for Windows Server 2008
- Internet Protocol (TCP/IP) with static IP address
- Microsoft Internet Explorer 7
- Microsoft Internet Explorer 8
- Mozilla Firefox 3.0
- Database client
- SmarTeam – Editor V5R20
- Local or network access to SmarTeam – Web Viewer

Notes:

1. 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.
2. For V5R20, SmarTeam Web Server can be used for Demo purposes on machines running Microsoft Windows XP Pro.

SMARTTEAM – COMMUNITY WORKSPACE

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Foundation](#)
- 100 MB/sec NIC or higher

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

SOFTWARE REQUIREMENTS

- As specified for SmarTeam Web Server, [SmarTeam – Web Editor / SmarTeam – Navigator](#), except that it will not run on Windows Server 2008.

Note: For V5R20, SmarTeam – Community Workspace can be used for Demo purposes on machines running Microsoft Windows XP Pro.

SMARTTEAM – MULTI-SITE

CLIENT (ADMIN/ RUN TIME)

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Foundation](#)

SOFTWARE REQUIREMENTS

- As specified for [SmarTeam – Foundation](#)
- The Administration Tools are not supported on Windows 7

- Administration Tools should be installed on a powerful computer

SERVER DATABASE REPLICATION

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Foundation](#)
- 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

- As specified for [SmarTeam – Foundation](#)
- Oracle 10g (x86 and x64) and its prerequisites
- Oracle 11.1g (x86 and x64) and its prerequisites

Notes:

1. The Database Replication mechanism is currently available on Oracle only.
2. A professional Database Administrator (DBA) with knowledge of Oracle Replication is required onsite for installation and ongoing maintenance.
3. For database operating system requirements, refer to the appropriate vendor at the following site: <http://www.oracle.com/products>

VAULT REPLICATION

For more information, see [SmarTeam – Multi-Site Vault](#).

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Foundation](#)
- RDS 3.0 (RepliWeb Deployment Suite) 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.
- Hard disk space: 100 MB
- Available 192KB 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 system requirements refer to the SmarTeam – Foundation Vault Server documentation.

Prerequisites:

- A server named RDS (RDS 3.0), which is used to replicate files between sites.
- A service named 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 of these two programs are not included on the SmarTeam - Multi-site CD.

SmarTeam Corporation provides a free license for RDS if both the following conditions are fulfilled:

- The platform is either Win32 or Linux
- The host computers do not have more than two CPUs

If RDM is required, and the conditions for a free license of RDS are met, an RDM license will also be provided free of charge by SmarTeam Corporation.

Each vault site requires an RDS installation. RDS can be installed on Windows, Linux or UNIX.

- In a Win32 environment, RDS should be installed on the Vault Server machine.
- If vault directories reside on Linux or UNIX, there are two possible RDS installation configurations:
 - o Recommended (for performance reasons) – RDS is installed directly on the Linux/UNIX machine.
 - o Optional – RDS is installed on the Vault Server machine.

Full details on specific supported operating system platforms for RDS can be found at: <http://www.repliweb.com/html/products/rdsplatforms.html>

For more complex implementation SmarTeam certifies the RepliWeb R1 product to be used for Vault replication between different vault servers. For more details on the RepliWeb R1 product, see the RepliWeb site: <http://www.repliweb.com>

SMARTTEAM – MULTI-SITE VAULT

CLIENT (ADMIN/ RUN TIME)

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Foundation](#)

SOFTWARE REQUIREMENTS

- As specified for [SmarTeam – Foundation](#). The Administration Tools can be installed only on Server operating systems.

VAULT REPLICATION

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Foundation](#)
- RDS 3.0 (RepliWeb Deployment Suite) 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.
- Hard disk space: 100 MB
- Available 192KB 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 system requirements refer to the SmarTeam – Foundation Vault Server documentation.

Prerequisites:

Microsoft DFS (Distributed File System) on Microsoft Windows Server 2003 or Microsoft Windows Server 2008 or RepliWeb RDS 3.0 or R1

1. **DFS:** To activate a working DFS Replication system between the 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 not supported as well.
 - For further information on Microsoft DFS Replication refer to the Microsoft site.

Note: Clusters are not supported. In a cluster, the Vaults must be located on a local node, and not as a shared resource. The DFS Service is not cluster aware, and will not fail over to another node. Locating the Vaults on a local node, prevent SmarTeam from working properly in a case of fail over.

2. **RDS:**

- A server named RDS (which contains the installation of either RDS 3.0 or R1), which is used to replicate files between sites.
- A service named 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 of these two programs are not included on the SmarTeam - Multi-site CD.

SmarTeam Corporation provides a free license for RDS if both the following conditions are fulfilled:

- The platform is either Win32 or Linux
- The host computers do not have more than two CPUs

If RDM is required, and the conditions for a free license of RDS are met, an RDM license will also be provided free of charge by SmarTeam Corporation.

Each vault site requires an RDS installation. RDS can be installed on Windows, Linux or UNIX.

- In a Win32 environment, RDS should be installed on the Vault Server machine.

- ❑ If vault directories reside on Linux or UNIX, there are two possible RDS installation configurations:
 - Recommended (for performance reasons) – RDS is installed directly on the Linux/UNIX machine.
 - Optional – RDS is installed on the Vault Server machine.

Full details on specific supported operating system platforms for RDS can be found at: <http://www.repliweb.com/html/products/rdsplatforms.html>

SMARTTEAM – GATEWAY

MINIMUM HARDWARE REQUIREMENTS

- ❑ Pentium IV 2.4 MHz or higher
- ❑ Memory: 1 GB or higher
- ❑ Hard disk space: 2 GB
- ❑ 100 MB/sec 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](#)
- ❑ Integration middleware: Microsoft BizTalk Server
 - Microsoft BizTalk Server 2006 Standard Edition or Enterprise Edition
 - Microsoft SQL Server 2008 is required for Microsoft BizTalk 2006.
 - Windows Server 2003 SP2 or 2003 R2 SP2 32 bit, Standard Edition or Enterprise Edition
 - Windows Server 2003 R2 64 bit, Enterprise Edition or Standard Edition

For additional details on Microsoft BizTalk and its prerequisites, refer to <http://www.microsoft.com/biztalk>

Notes:

1. Based on selected integration topology, SmarTeam – Gateway can be used without middleware.
2. Administrator-level knowledge of middleware (BizTalk) is required for implementation.
3. The implementation of this product also requires prior SmarTeam certification.

SMARTTEAM – JOB SERVER

MINIMUM HARDWARE REQUIREMENTS

- ❑ As specified for [SmarTeam – Foundation](#)

SOFTWARE REQUIREMENTS

- ❑ As specified for [SmarTeam – Editor](#)
- ❑ SmarTeam – Editor
- ❑ IIS 6.0 or 7.0 for SMTP email services

- Authoring software for Printing and Silent Release (Microsoft Word and Excel, AutoCAD, SolidWorks in their supported versions)

SMARTTEAM – DEVELOPMENT SUITE

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Editor](#)
- For i-Platform Server component:
 - 1.8 GHz or higher
 - Memory: 1GB RAM or higher
 - Hard disk space: 750 MB
 - 10/100 Mb/sec NIC or higher

SOFTWARE REQUIREMENTS

- As specified for [SmarTeam – Editor](#)
- SmarTeam – Editor
- Microsoft Internet Explorer 7
- Microsoft Internet Explorer 8
- Mozilla Firefox 3.0
- Microsoft .NET Framework 3.5 SP1
- Sun JDK 1.6.13

DATABASE SERVERS

- Memory: 2GB or higher
- Oracle 10g (x86 and x64)
- Oracle 11.1g (x86 and x64)

Notes:

- When using SmarTeam - Web Editor, it is advised to install Oracle 10g due to performance issues
- Compatibility issues may occur when the following configuration is used:
 - The Foundation server and the database server are installed on the same machine
 - Foundation must be installed as a 32-bit client
 - Database server is installed as a 64-bit server
- Microsoft SQL Server 2008 SP1 (x86 and x64)
- IBM DB2 9.5

For database operating system and hardware requirements, refer to the appropriate vendor at the following sites:

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

<http://www.microsoft.com/sql/default.asp>

<http://www.ibm.com>

Note: After installing the SQL Server 2008 Administrator (with DBA privileges) run the following statements to allow a multi-user environment.

```
ALTER DATABASE [DB NAME] SET READ_COMMITTED_SNAPSHOT ON;  
ALTER DATABASE [DB NAME] SET ALLOW_SNAPSHOT_ISOLATION ON;
```

LICENSE USE MANAGEMENT

IBM License Use Management (LUM) is required to serve concurrent license keys across a network. A LUM configuration file (i4ls.ini) is required to access concurrent license keys from these servers. Server and Nodelock license management mechanisms can be used on Windows or UNIX license servers, as supported by IBM.

The minimum IBM LUM level is V4.6.8.3.

The release of IBM LUM, together with any applicable patches, can be downloaded at no charge from <http://www-306.ibm.com/software/awdtools/lum/>.

Refer to IBM's website at <http://www-306.ibm.com/software/awdtools/lum/> for updated information on LUM system requirements.

Note: LUM 4.6.8 cannot be used on virtual machines for Node-lock or server installations.

LDAP

SmarTeam Authentication supports the following LDAP systems:

- Microsoft Active Directory
- IBM Tivoli Directory Server 6.0
- SUN Java System Directory Server Enterprise Edition 5.2
- Novell eDirectory 8.7.3

CLIENT PRODUCTS

WINDOWS APPLICATIONS

SMARTTEAM – EDITOR

MINIMUM HARDWARE REQUIREMENTS

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

SOFTWARE REQUIREMENTS

- Windows 7 (64 bit)
 - For Oracle requirements, refer to [Database Client Requirements](#)
 - There are no special requirements for SQL Server.
- Windows XP Pro SP3 (32 bit)
- Windows XP Pro SP2 (64 bit)
- Vista Business SP1 (32 and 64 bit)
- Windows Server 2003 SP2 (32 and 64 bit), Standard Edition or Enterprise Edition
- Windows Server 2003 SP2 R2 (32 and 64 bit), Standard Edition or Enterprise Edition
- Windows Server 2008 (32 and 64 bit), Standard Edition or Enterprise Edition
- SmarTeam – Editor includes Microsoft Word, Excel and Project integrations. These integrations support Word and Excel in versions:
 - Microsoft Office 2007
- For sending email messages, SmarTeam – Editor supports the SMTP protocol.
- Microsoft Internet Information Services (IIS) is required for SmarTeam – Editor if the System Configuration Editor is installed as part of the SmarTeam Administrator tools.
- Microsoft .NET Framework 3.5 SP1
- OLEDB provider

DATABASE CLIENT REQUIREMENTS

- Oracle 10g (32 bit)
- Oracle 11.1g (32 bit)
- Oracle 11.2g (32 bit) for Windows 7 only.

Note: Because SmarTeam is a 32 bit application, Oracle 32 bit client installation must be used.

SMARTTEAM – BOM

- As specified for [SmarTeam – Editor](#)

SMARTTEAM – WORKFLOW

- As specified for [SmarTeam – Editor](#)

SMARTTEAM – CATIA INTEGRATION

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Editor](#)

SOFTWARE REQUIREMENTS

- As specified for [SmarTeam – Editor](#)
- For CATIA x64 version use one of the following:
 - Windows 7 (64 bit)
 - Windows XP Pro SP2 (64 bit)
 - Windows Vista Business SP1 (64 bit)
- CATIA 32bit + ClientLibraries 32bit
- CATIA 64bit + ClientLibraries 64bit
- SmarTeam – Editor
- CATIA and ENOVIA DMU Navigator V5R18 or V5R19 or V5R20

Note: Windows Server operating systems are not supported by SmarTeam – CATIA Integration. Verify that the minimum CATIA hardware and software requirements are met.

SMARTTEAM – CATIA SUPPLY CHAIN ENGINEERING EXCHANGE

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Editor](#)

SOFTWARE REQUIREMENTS

- As specified for [SmarTeam – CATIA Integration](#)

Note: Windows Server operating systems are not supported by SmarTeam – CATIA Integration. Verify that the minimum CATIA hardware and software requirements are met.

SMARTTEAM – CATIA WEB INTEGRATION

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Editor](#)

SOFTWARE REQUIREMENTS

- As specified for [SmarTeam – CATIA Integration](#)
- CATIA and ENOVIA DMU Navigator V5R19 or V5R20
- Microsoft Internet Explorer 7
- Microsoft Internet Explorer 8
- Connection to a SmarTeam Web Server

Note: Windows Server operating systems are not supported by SmarTeam – CATIA Web Integration. Verify that the minimum CATIA hardware and software requirements are met.

SMARTTEAM – SOLID EDGE INTEGRATION

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Editor](#)

SOFTWARE REQUIREMENTS

- As specified for [SmarTeam – Editor](#)
- SmarTeam – Editor
- Solid Edge ST (32 and 64 bit)
- Solid Edge ST2 (32 and 64 bit)

Notes:

Windows Server operating systems are not supported by SmarTeam – Solid Edge Integration. Verify that the minimum Solid Edge hardware and software requirements are met.

Oracle AutoVue Viewer V19.3.4 does not support viewing Solid Edge ST and ST2 files.

SMARTTEAM – SOLIDWORKS INTEGRATION

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Editor](#)

SOFTWARE REQUIREMENTS

- As specified for [SmarTeam – Editor](#)
- SmarTeam – Editor
- SolidWorks 2009 SP4 (32 and 64 bit)
- SolidWorks 2010 (32 and 64 bit)

Note: Windows Server operating systems are not supported by SmarTeam – SolidWorks Integration. Verify that the minimum SolidWorks hardware and software requirements are met.

SMARTTEAM – AUTOCAD INTEGRATION

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Editor](#)

SOFTWARE REQUIREMENTS

- As specified for [SmarTeam – Editor](#)
- SmarTeam – Editor
- AutoCAD and AutoCAD Mechanical 2010 (32 bit and 64bit)
- AutoCAD and AutoCAD Mechanical 2011 (32 bit)

Note: Windows Server operating systems are not supported by SmarTeam – AutoCAD Integration. Verify that the minimum AutoCAD hardware and software requirements are met.

SMARTTEAM – INVENTOR INTEGRATION

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Editor](#)

SOFTWARE REQUIREMENTS

- As specified for [SmarTeam – Editor](#)
- SmarTeam – Editor
- Inventor 2010 (32 bit and 64bit)
- Inventor 2011 (32 bit)

Note: Windows Server operating systems are not supported by SmarTeam – Inventor Integration. Verify that the minimum Inventor hardware and software requirements are met.

SMARTTEAM – REGULATORY COMPLIANCE FRAMEWORK

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Editor](#)

SOFTWARE REQUIREMENTS

- As specified for [SmarTeam – Editor](#)

Note: SmarTeam – Job Server must be installed on the site.

SMARTTEAM – PROGRAM MANAGEMENT

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Editor](#)

SOFTWARE REQUIREMENTS

- As specified for [SmarTeam – Editor](#).
- For Project Managers; MS-Project® 2003 Service Pack 3 must also be installed.
- For Project Managers; MS-Project® 2007 Service Pack 1 must also be installed.

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

WEB APPLICATIONS

SMARTTEAM – WEB EDITOR / SMARTTEAM – NAVIGATOR

SOFTWARE REQUIREMENTS

- Operating system, as specified for [SmarTeam – Editor](#).
- Microsoft Internet Explorer 7
- Microsoft Internet Explorer 8
- Mozilla Firefox 3.0
- For performing different actions on the client machine: Sun JRE 1.6.13

Note: The DS viewer and eDrawings viewer are supported on Windows only.

SMARTTEAM – CONFIGURATION EDITOR

SOFTWARE REQUIREMENTS

- Windows 7 (64 bit)
- Windows XP Pro SP3 (32 bit) (For demo use only)
- Windows XP Pro SP2 (64 bit) (For demo use only)
- Windows 2003 Server (32 and 64 bit)
- Windows 2008 Server (32 and 64 bit)
- Microsoft Internet Information Services 6 or 7 (must be installed before installing SmarTeam – Configuration Editor)

SMARTTEAM – COMMUNITY WORKSPACE

SOFTWARE REQUIREMENTS

- As specified for [SmarTeam – Web Editor / SmarTeam – Navigator](#).
- Extraction utility for zip files

VIEWERS

This section presents the minimum hardware and software requirements needed for each of the viewers used with ENOVIA SmarTeam products.

SMARTTEAM – WEB VIEWER SERVER

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Foundation](#)
- 100 MB/sec NIC

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

SOFTWARE REQUIREMENTS

- As specified for [SmarTeam – Foundation](#)
- Internet Protocol (TCP/IP) with permanent IP address
- Microsoft Internet Explorer 7
- Microsoft Internet Explorer 8
- Client 64 bit OS is not supported by Oracle AutoVue

DS VIEWER SERVER

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Foundation](#)
- Memory: 4 GB RAM or higher
- 100 MB/sec NIC or higher

SOFTWARE REQUIREMENTS

- Windows 7 (64 bit)
- Windows XP Pro SP2 (32 bit only)
- Windows Vista Enterprise & Business Editions SP1 (32 bit only)
- Windows Server 2003 SP2 (32 bit only)
- Windows Server 2008 (32 bit only)
- Microsoft Internet Information Services 6
- Microsoft Internet Information Services 7
- Microsoft .NET Framework 3.5 SP1
- Internet Protocol (TCP/IP) with static IP address or dedicated DNS name
- Microsoft Internet Explorer 7
- Microsoft Internet Explorer 8
- Database client
- SmarTeam – Editor
- Local or network access from SmarTeam – Web Server and/or SmarTeam – Editor clients

EDRAWINGS

SOFTWARE REQUIREMENTS

- As specified for [SmarTeam – Editor](#)

3DLIVE WEB SERVICE

SOFTWARE REQUIREMENTS

- Windows Server 2003 SP2 (32 & 64 bit), Standard Edition or Enterprise Edition
- Windows Server 2003 SP2 R2 (32 & 64 bit), Standard Edition or Enterprise Edition
- Windows Server 2008 (32 and 64 bit), Standard Edition or Enterprise Edition

3DLIVE CLIENT APPLICATION

SOFTWARE REQUIREMENTS

- Windows 7 (64 bit)
- Windows XP Pro SP3 (32 bit)
- Windows XP Pro SP2 (64 bit)
- Vista Business SP1 (32 and 64 bit)

3DVIA

MINIMUM HARDWARE REQUIREMENTS

- As specified for [SmarTeam – Editor](#)

SOFTWARE REQUIREMENTS

- Sun JRE 1.6.13