



ENOVIA SmarTeam

SmarTeam Introduction to SmarTeam Installation

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Chapter 1: Introduction

This document provides an introduction to the SmarTeam installation process.

It is recommended that you read this document thoroughly and plan your topology prior to installing your SmarTeam configuration or products.

SmarTeam Topology

SmarTeam is composed of applications and services. Every SmarTeam installation requires the Foundation, License Use Management (LUM) and Database services.

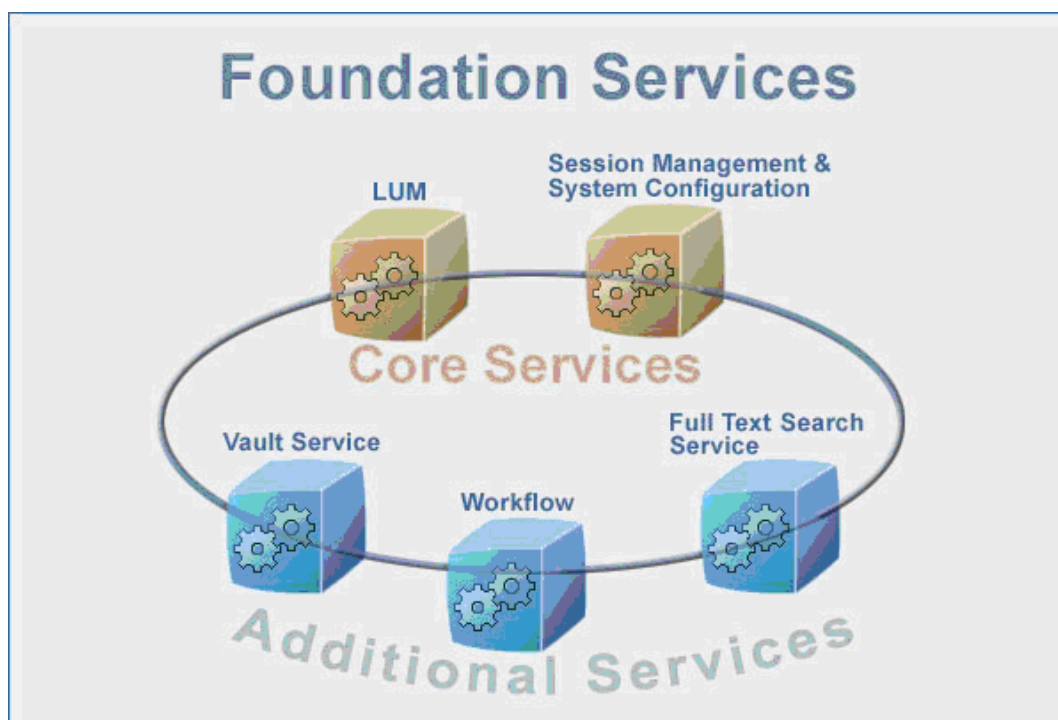
Foundation Services

SmarTeam – Foundation is a complete enterprise product information collaboration platform that enables teams across the extended enterprise to collaborate on product data and create a true concurrent engineering environment.

The SmarTeam – Foundation Services consists of:

- **Core Services:** All the SmarTeam core services must be installed for all types of SmarTeam configurations and products
- **Additional Services:** Each service needs to be installed according to the customer's specific configuration

To gain best scalability and performance, all services can be installed on different servers. Never the less, some combinations of different services running on the same server are available.

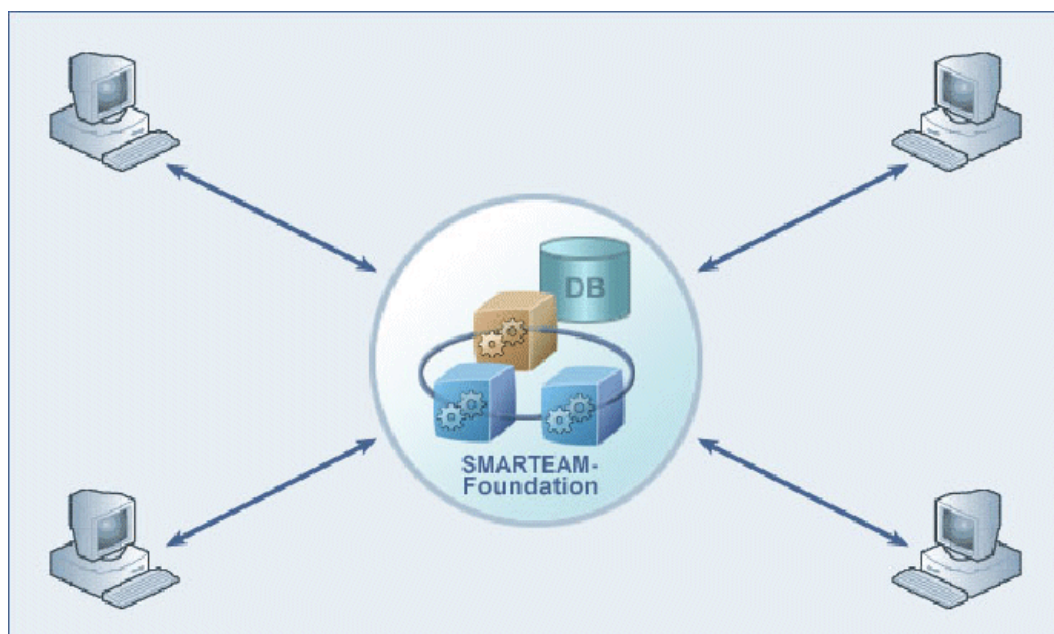


Note: Session Management and System Configuration services as well as the NLS data are automatically installed with the foundation installation on the same server.

Win32 Clients

SmarTeam Rich applications are Win 32 clients, which run on the users desktop. When installed and configured, the rich clients communicate directly with the Foundation and Database services.

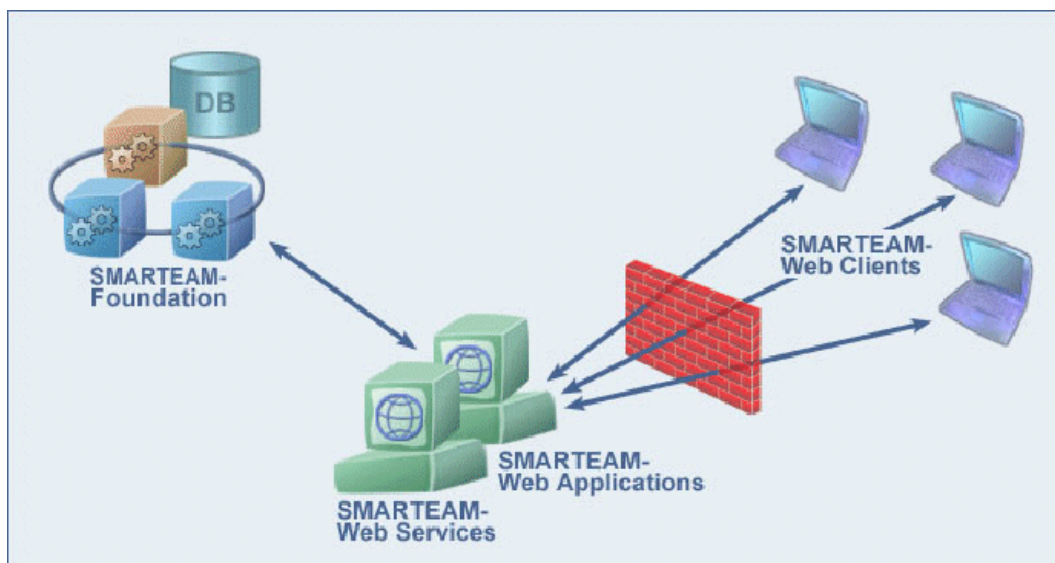
Note: Before installing the Win 32 clients, check that the SmarTeam – Foundation and Database services have been installed on the organization network.



Web Applications

SmarTeam Web Applications communicate with the SmarTeam – Web Application services. In addition, the SmarTeam – Web Application services, when installed and configured, communicate directly with the Foundation and Database services.

Note: Before installing the SmarTeam Web Applications or SmarTeam Web Services, check that SmarTeam – Foundation and Database services have been installed on the organization network.



Database Service

SmarTeam uses a commercial database to store Meta Data. SmarTeam supports Oracle, DB2 and Microsoft SQL Server Express 2005 (SQL Server Express 2005 can be downloaded from the [Microsoft](#) web site).

For installation instructions refer to the Installation guide provided by the commercial database you are using.

Additional information on databases installation can be found in the set of the SmarTeam “Database and Migration” documentation provided on the Documentation CD.

LUM Service

SmarTeam products use the License Use Management (LUM) service for licensing purposes.

Download the LUM from the [IBM](#) web site.

Chapter 2: SmarTeam Products

Order of Installation

Notes:

- Before installation refer to the SmarTeam V5R18 Hardware and Software Requirements document, which can be found on the SmarTeam Documentation CD.
- The SmarTeam – Foundation, LUM and Database must be installed before any of these products/configurations are installed. Installing Foundation includes Core Services and Additional Services (i.e. Vault, Workflow and Full Text Search)

Products listed in the "SmarTeam Prerequisites" column should be installed prior to the Product installation. Refer to the appropriate reference document on the SmarTeam Documentation CD for further details.

SmarTeam Product	SmarTeam Prerequisite	Product Reference Document	CD No.
Editor	Foundation	SmarTeam – Foundation Installation Guide SmarTeam – Editor Installation Guide	1
Workflow	Editor	SmarTeam – Editor Installation Guide	1
BOM	Editor	SmarTeam – Editor Installation Guide	1
Program Management	Editor	SmarTeam – Program Management Administration Guide	1
SmarTeam – Regulatory Compliance Framework Setup Guide	Editor/ Workflow Job Server	SmarTeam – Regulatory Compliance Framework Setup Guide	1
Web Viewer	Editor	SmarTeam – Web Viewer Installation Guide	1
Foundation		SmarTeam – Foundation Installation Guide	2
Multi-site	Editor	SmarTeam – Multi-site Installation Guide	2
Gateway	Editor	SmarTeam – Gateway Installation Guide	2
SmarTeam – Job Server	Foundation/ Workflow Editor	SmarTeam – Foundation Installation Guide SmarTeam – Editor Installation Guide	2

SmarTeam Development Suite	Foundation/ Web Editor Editor (Windows) Editor (Web)	SmarTeam Visual Components Customization Guide IXF Programmers Guide SmarTeam iPlatformSDK Programmers Guide	2
DS Viewer	Editor	DS Viewer Server Installation Guide DS Viewer User Guide	3
Web Editor/Navigator	Editor	SmarTeam Web – Editor Installation Guide	3
Web Service for 3D Live	Editor	SmarTeam	3
Community Workspace	Editor	SmarTeam – Community Workspace Installation Guide	3
CAD Integrations	Editor	SmarTeam – Client Components Installation Guide	3
SmarTeam SmDemo	Editor	Guidelines for Installing SmarTeam Demo Environments	4

Note: Other prerequisites, such as Microsoft IIS or Microsoft.NET Framework might be required. Refer to the appropriate installation guide or Hardware and Software Requirements document for details.

Product List

The ENOVIA SmarTeam portfolio provides comprehensive and flexible solutions to different lifecycle management and collaboration needs. ENOVIA SmarTeam products combine seamlessly to bring PLM to work teams, sites, suppliers, and customers, internally and over the Web, across multiple CAD systems, office tools, and enterprise management applications.

SmarTeam Products	Comments
User Roles	
Editor	
SmarTeam – Editor	Windows/Web based core PLM solution. Windows option embeds Microsoft Office Integration
Designer	
SmarTeam – CATIA Supply Chain Engineering Exchange	Comparison and reconciliation of CATIA V5 data as exchanged with business partners
SmarTeam – CATIA Integration	CATIA V5 Integration
SmarTeam – CATIA Web Integration	Web CATIA V5 Integration

SmarTeam Products	Comments
SmarTeam – SE Integration	Solid Edge Integration
SmarTeam – AC Integration	AutoCAD Integration
SmarTeam – IN Integration	Autodesk Inventor Integration
SmarTeam – SolidWorks Integration	Manages SolidWorks assemblies from directly within the SolidWorks environment
SmarTeam – Multi-CAD Integration	For collaboration among mixed-CAD engineering teams
Engineer	
SmarTeam – BOM	Bill of Materials (BOM) creation and management
Community	
SmarTeam – Community Workspace	Web-based, project-oriented, community portal
Navigator	
SmarTeam – Navigator	Web-based PLM monitoring
Cross-User Options	
SmarTeam – Workflow	Change management and workflow automation
SmarTeam – Program Management	Unified environment for managing projects, products and processes
SmarTeam – Regulatory Compliance Framework	Authorization control, database traceability and electronic signatures within regulated business processes
Site Services	
SmarTeam – Foundation	Product knowledge services, includes databases, servers, vaults, administration and customization tools. Mandatory service
SmarTeam – Multi-site	Asynchronous solution for distributed environment. Includes database and vault replication
SmarTeam – Multi-site Vault	Vault Replication for distributed sites
SmarTeam – Gateway	Backbone for bi-directional data exchange between ENOVIA SmarTeam and enterprise applications
SmarTeam – Development Suite	Development environment enhancing PLM capabilities into any type of system
SmarTeam – Job Server	A server-side application that handles central SmarTeam activities

Configurations

Products listed in the "SmarTeam Prerequisite" column need to be installed for the configuration after SmarTeam – Foundation.

SmarTeam Configuration	SmarTeam Prerequisites/ SmarTeam Products Included
User Roles	
Editor	
SmarTeam – Editor Configuration	Foundation + Editor
Designer	
CATIA Team PDM Configuration	Foundation + Editor + CATIA Integration
CATIA Web Team PDM Configuration	Foundation + Web Editor + CATIA Web Integration
SmarTeam – Multi-CAD Configuration	Foundation + Editor + Multi-CAD Integration
Engineer	
SmarTeam – Engineering Configuration	Foundation + Editor + Workflow + BOM
SmarTeam – Team PDM Engineering Configuration	Foundation + Editor + CATIA Integration + Workflow + BOM
SmarTeam – Multi-CAD Engineering Configuration	Foundation + Editor + Multi-CAD Integration + Workflow + BOM
Community	
SmarTeam – Community Workspace Configuration	Foundation + Community Workspace
Navigator	
SmarTeam – Navigator Configuration	Foundation + Navigator
Enterprise Backbone	
SmarTeam – Multi-site Administration Configuration	Foundation + Editor + Multi-site

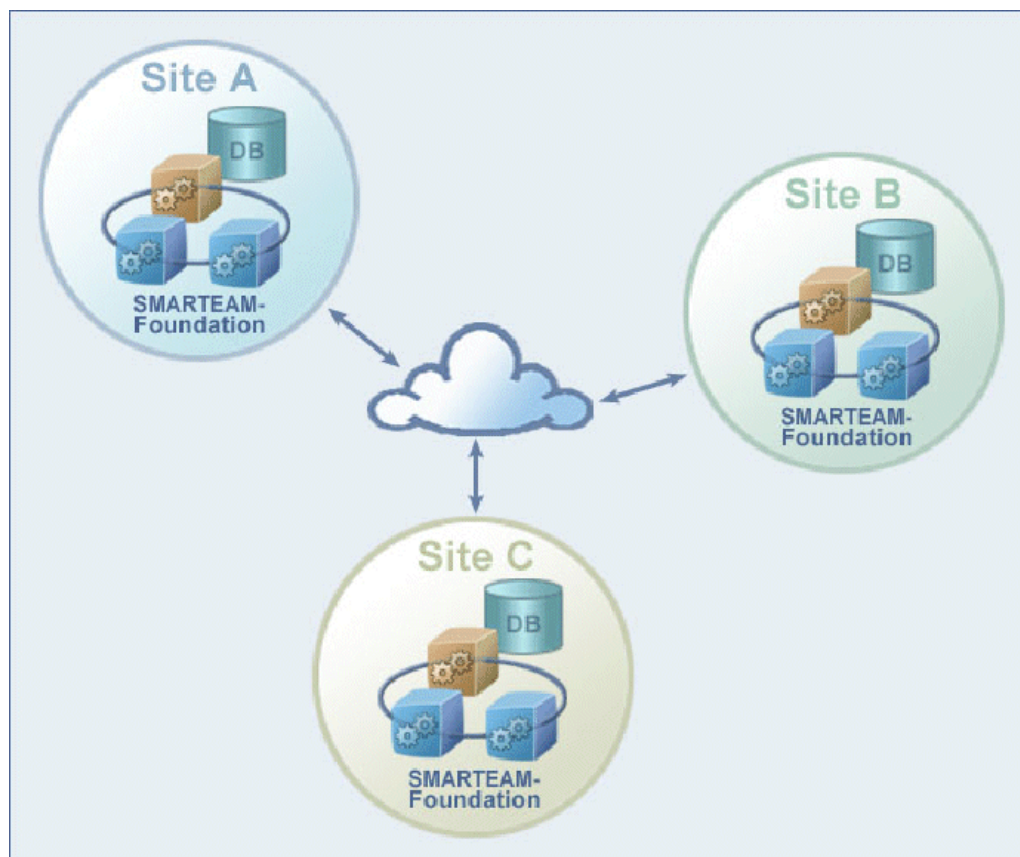
SmarTeam – Multi-site Vault Administration Configuration	Foundation + Editor + Multi-site Vault
SmarTeam – Development Suite Configuration	Foundation + Editor + Development Suite
SmarTeam – Gateway Administration Configuration	Foundation + Editor + Gateway
SmarTeam – Job Server Configuration	Foundation + Editor + Job Server

Chapter 3: SmarTeam Advanced Products

SmarTeam – Multi-site

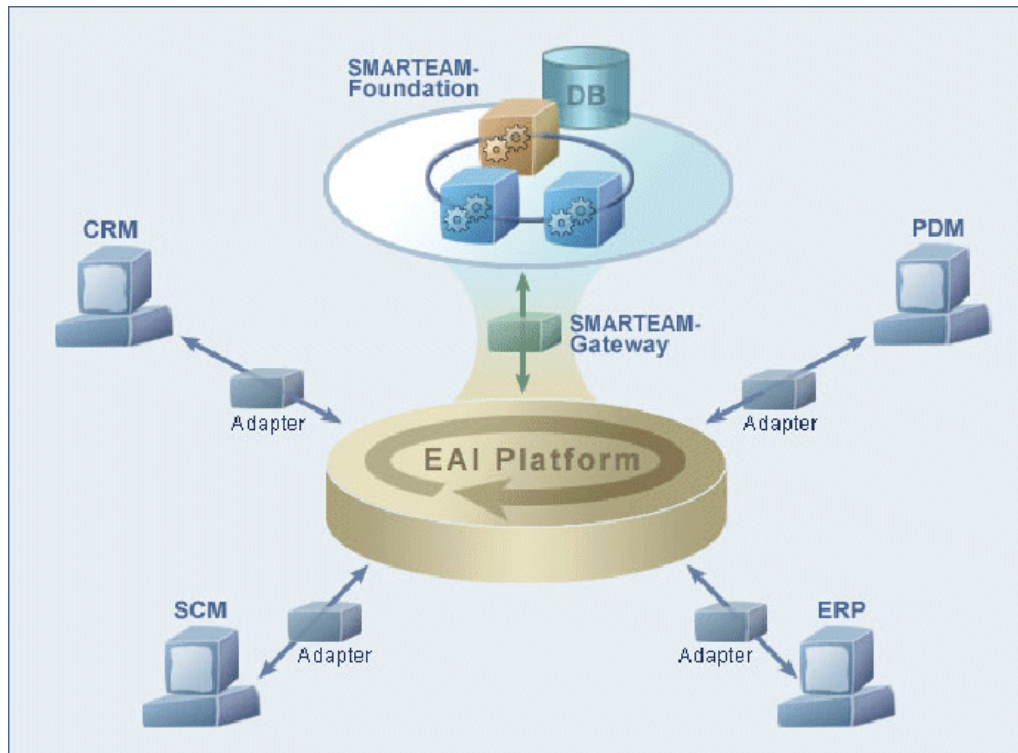
SmarTeam - Multi-site enables company users working in different physical locations to access the same database, share the same resources and files, and work on mutual projects.

Note: Before installing the SmarTeam - Multi-site, check that the Foundation and Database services have been installed on the organization network.



SmarTeam – Gateway

SmarTeam – Gateway exposes the SmarTeam data repository to EAI Platforms, enabling bi-directional data exchange between SmarTeam and multiple enterprise applications, allowing businesses to share and exchange the latest product data, including Parts, Bill of Materials, Change Processes, and Document information, across engineering design, manufacturing logistics, customer service and other legacy systems.



Note: Before installing SmarTeam – Gateway, check that the Foundation and Database services have been installed on the organization network.

Chapter 4: Summary and Next Steps

Once you have completed installation of all relevant SmarTeam products, you must then implement and configure SmarTeam in order to work with your SmarTeam solutions.

The first step will be to create a SmarTeam database; a sample database can be installed with the SmarTeam - Editor installation. Refer to SmarTeam – Editor Administrator Guide for further details.

There are different SmarTeam Administrator guides available to assist you with the Database definition and connection. SmarTeam authorization configuration and system setup operations. These guides are available on the SmarTeam Documentation CD.