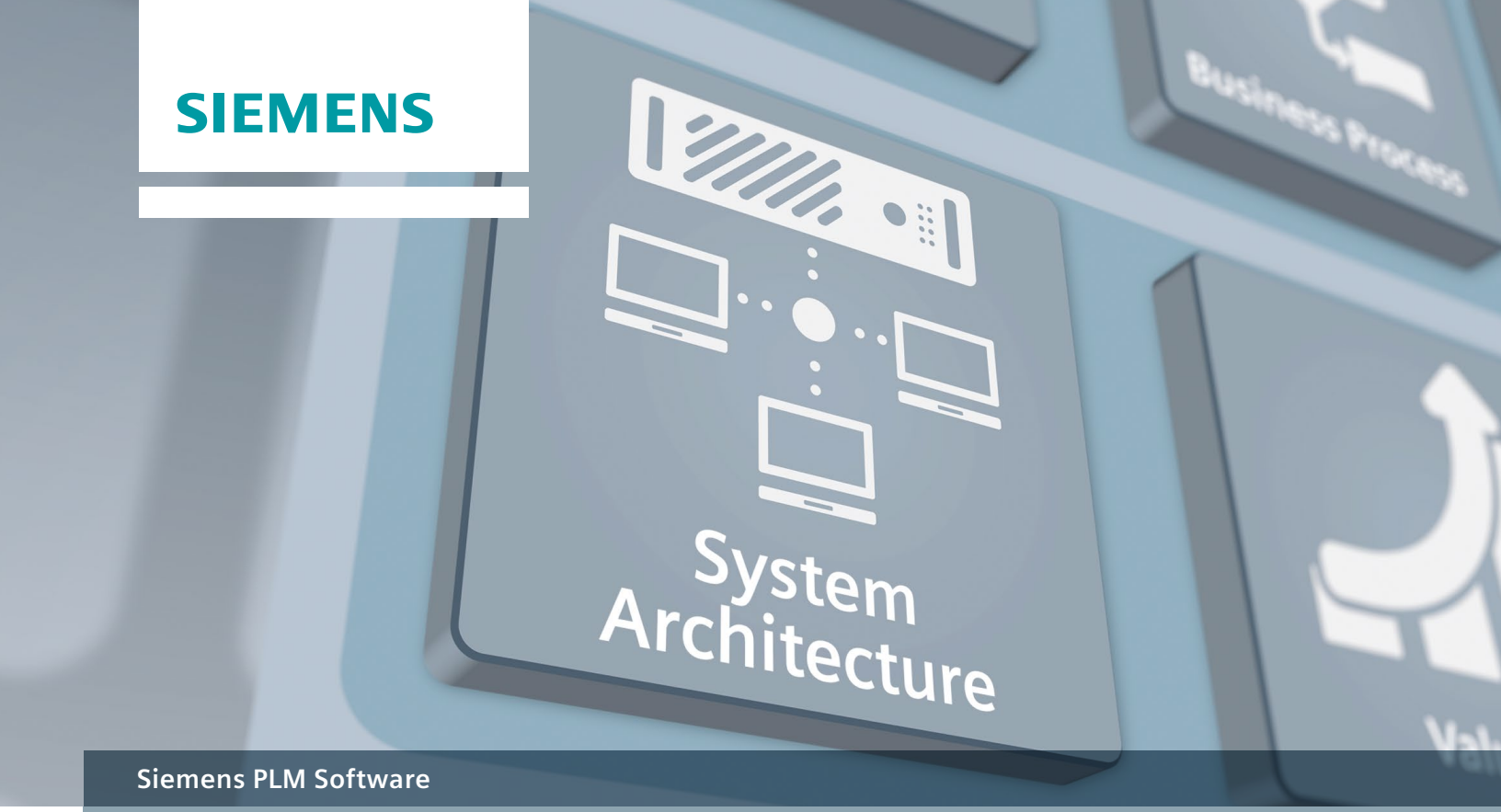
SIEMENS



Siemens PLM Software

Deployment architecture and infrastructure design

Reducing risk to future performance issues while optimizing your hardware investment

Benefits

- Reduce risk to future performance stemming from incorrect architecture or insufficient resources
- Help customer to leverage existing hardware and infrastructure to maximize re-use
- Enable customer to understand Siemens PLM Software best practices in Teamcenter architecture and infrastructure
- Adequately size hardware infrastructure to protect investment and lower cost of ownership

Summary

To successfully deploy Teamcenter® software requires well-planned deployment architecture and corresponding infrastructure that is based on factors such as usage characteristics, scalability, performance requirements and availability of resources. When you make this kind of investment decision, you want to ensure that you optimize the return-on-investment (ROI) and the total cost of ownership (TCO). The deployment architecture and infrastructure design (DAID), which is an Advanced Technical Services (ATS) offering, provides a systematic process for gathering requirements, reviewing options and defining architecture and infrastructure for the Teamcenter deployment so you can meet your goals.

Overview

Deployment architecture and infrastructure design covers the usage characteristics, performance requirements and provides comprehensive deployment architecture design and corresponding infrastructure requirements for servers, storage, networks and client configuration. DAID applies to various customer project scenarios, such as new Teamcenter implementations, deployment to new sites, version upgrades, adding new Teamcenter modules, switching hardware/software platforms, migrating from legacy systems or Teamcenter Enterprise, or consolidating multiple sites.

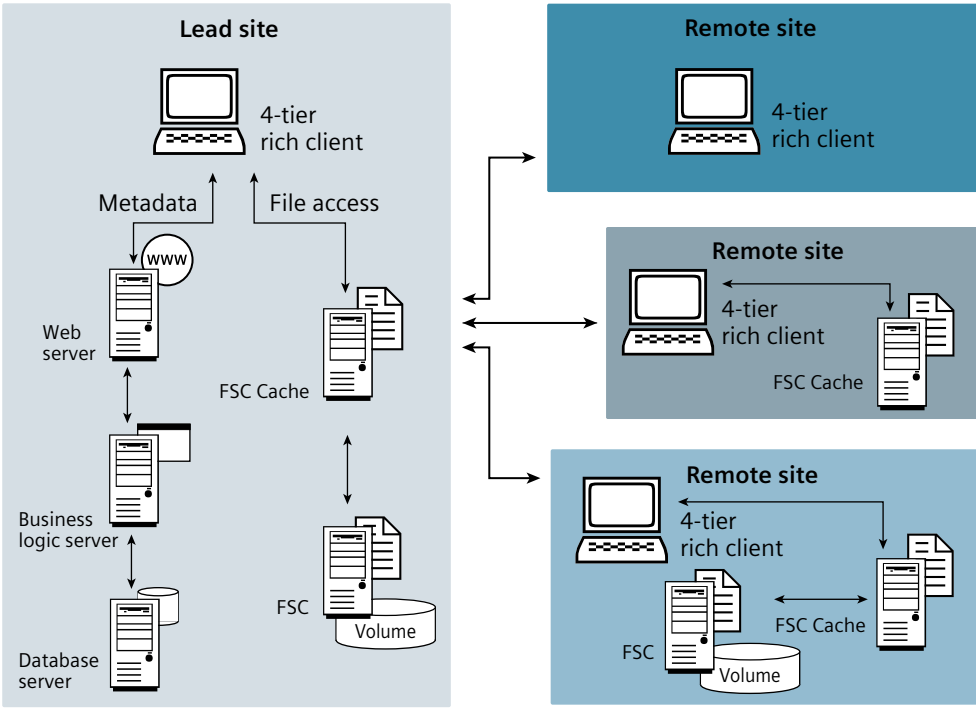
Deployment architecture and infrastructure design

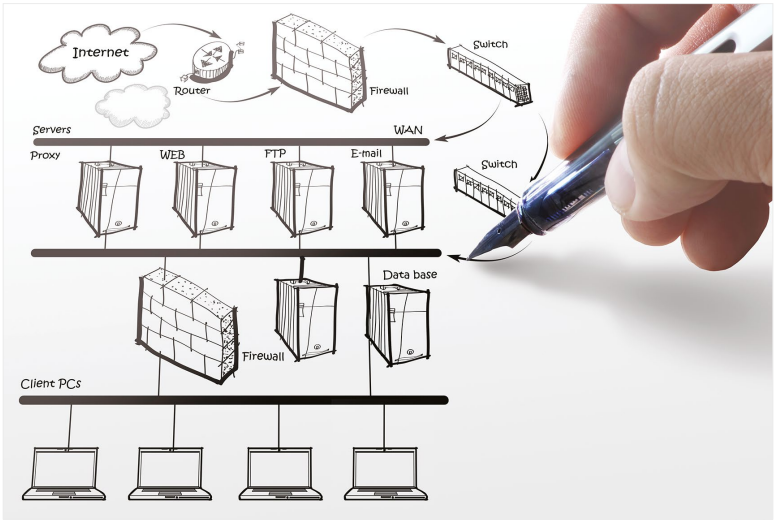
Scope
The DAID process consists of the following activities:

- Review any existing Teamcenter implementation architecture and infrastructure
  - Validate existing architecture strategy
  - Review current performance/scalability metrics
  - Review current infrastructure usage
- Gather requirements for proposed deployment
  - Fill out questionnaire to gather and confirm requirements that include usage characteristics, performance, scalability and availability
  - Validate site capabilities and requirements
- Deployment architecture design
  - Design architecture option(s) that define location of application and resource tiers, including database, file volumes and file caches
  - Discuss the options and finalize architecture with deployment administrators
- Infrastructure design
  - Size the required servers, storage, network and client

Prerequisites
DAID requires the following:

- The customer needs to provide all necessary information requested by Siemens PLM Software Advanced Technical Services prior to the start of onsite services
- The key information technology (IT) personnel that are responsible for administering Teamcenter and have system access permissions must be available to work with the Siemens PLM Software expert





Duration
Typically, requires three to four weeks, including:

- One week of offsite preparation
- Up to one week for onsite activities
- One week to complete the report

Deliverables
DAID provides the following deliverables:

- Presentation reviewing Teamcenter architecture options and preliminary sizing estimate
- Report with recommendations for deployment architecture and infrastructure design

For more information please contact ATS.plm@siemens.com or the services manager in your country.

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