Teamcenter Rapid Start

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Specifications for a preconfigured PDM deployment

Following are the specifications of a Teamcenter Rapid Start deployment.

Note that many of these capabilities are shared with standard Teamcenter deployments, with the exception of those marked with an asterisk (*), which are unique to the Teamcenter Rapid Start configuration.

Benefits
- Simplifies common tasks
- Controls and shares mechanical (MCAD) and electronic (ECAD) data
- Leverages CAD-neutral JT visualization for internal and partner collaboration and design reviews
- Creates multi-domain bill of material (BOM) including mechanical and electronic components
- Enables multi-CAD design collaboration across multiple mechanical authoring sources (i.e., SolidWorks and Solid Edge)
- Accelerates product development by promoting design re-use
- Provides common best practices for PDM
- Extends the use of PDM to users outside of the engineering department

Summary
The Teamcenter® software Rapid Start configuration from Siemens Digital Industries Software delivers the world's most widely implemented product data management (PDM) solution. Teamcenter Rapid Start is preconfigured to deliver a simplified PDM installation and user experience that leverages common best practices and the expertise of Siemens Digital Industries Software. The Rapid Start configuration gets you up and running with PDM quickly and cost-effectively.

Teamcenter Rapid Start offers an easy installation and upgrade process. By choosing preconfigured capabilities, you can minimize the costs of consulting and maintenance. Teamcenter Rapid Start can be expanded to full Teamcenter to add on any additional Teamcenter modules when you need it. With Teamcenter Rapid Start, you can immediately realize the benefits of PDM with confidence that you have a growth path to product lifecycle management (PLM).

Multi-CAD and ECAD data management
Helping to accelerate product development by promoting design re-use, Teamcenter MCAD (mechanical computer-aided design) data management and multi-CAD support enable design teams to create, manage and re-use native design data from multiple CAD systems, including NX™ software and Solid Edge® software from Siemens Digital Industries Software, as well as AutoCAD, CATIA, Creo, Inventor and SolidWorks, all in a single secure environment.

Teamcenter enables electronic computer-aided design (ECAD) teams to increase productivity by integrating disconnected design flows, managing all of your design, fabrication and assembly data and enabling you to share data across multiple domains. In addition, it supports ECAD integrations with electronic (PCB) and electrical (wire harness) design tools from Mentor, Autodesk, Cadence, Zuken and Altium.

Teamcenter Rapid Start

Teamcenter also provides an EDA (electronic design automation) integration gateway to enable you to integrate tools that you develop internally or procure from other third parties. To help reduce product cost and facilitate environmental compliance, Teamcenter Rapid Start enables you to leverage your ECAD part library and make it available for use across multiple ECAD tools.

- MCAD data management
- ECAD data management
- Multi-CAD data management

Bill-of-materials (BOM) management
Teamcenter Rapid Start includes bill of materials (BOM) management so you have a single source of all the parts, components, and assemblies that make up your product. When both mechanical and electronic designs are managed by Teamcenter Rapid Start, you can create a multi-domain BOM to provide a more comprehensive view of the product to stakeholders across the business.

- Bill-of-materials (BOM) management

Partner collaboration with CAD-neutral visualization
Teamcenter Rapid Start supports the JT standard for CAD-neutral visualization, so partners that do not use Teamcenter can collaborate on designs. Partners, customers, vendors and suppliers can download the JT2Go viewer free of charge, which allows them to review designs with view, markup, measure, section, etc.

- CAD-neutral visualization
- Easy-to-install dispatcher services for file translation*

Document management
Teamcenter Rapid Start manages all product-related documents including those created with Microsoft Office and Adobe, along with MCAD and ECAD designs, to extend the use of PDM to users outside of the engineering department. Product-related documents include technical publications, process
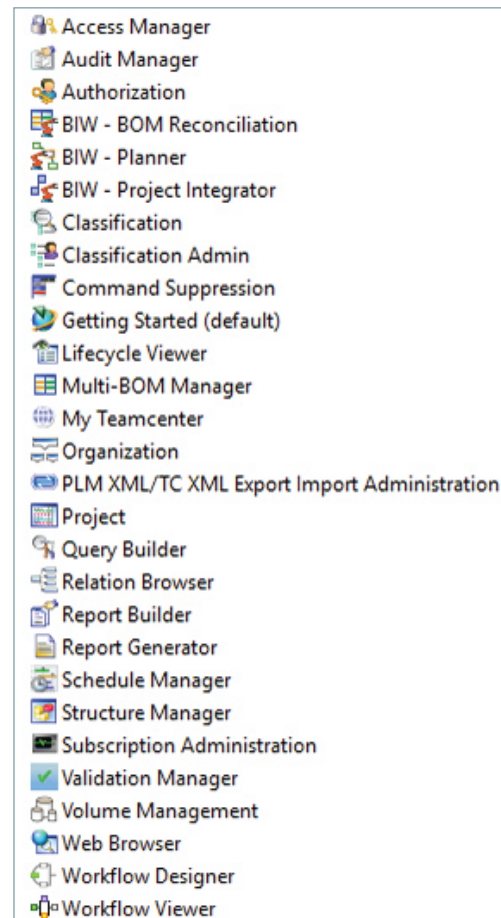
sheets, customer requirements, manufacturing setups, test specifications or any other documents that you may want to manage.

With the Microsoft Office integration, you can even interact with product information and workflow processes directly through the familiar Microsoft Office applications.

- Manage Microsoft Office documents
- Manage Adobe PDF files
- Manage other document types (TXT, GIF, MSG, HTML, etc.)
- Microsoft Office integration

Out-of-the-box applications
Rapid Start delivers a standard set of Teamcenter applications. The menu options only display a subset of

Access Manager
Audit Manager
Authorization
BIW - BOM Reconciliation
BIW - Planner
BIW - Project Integrator
Classification
Classification Admin
Command Suppression
Getting Started (default)
Lifecycle Viewer
Multi-BOM Manager
My Teamcenter
Organization
PLM XML/TC XML Export Import Administration
Project
Query Builder
Relation Browser
Report Builder
Report Generator
Schedule Manager
Structure Manager
Subscription Administration
Validation Manager
Volume Management
Web Browser
Workflow Designer
Workflow Viewer

Teamcenter applications to simplify the installation and user options.

Preconfigured organization with groups and roles
Teamcenter Rapid Start optimizes the tasks that you perform every day, both as individuals and as a team. Teamcenter Rapid Start offers preconfigured groups and roles that you can use to simplify common tasks. You can use the preconfigured groups and roles, or you can create custom configurations to meet your business needs. The user interface is tailored to each individual user role, only showing menu options and applications required for their tasks. This simplifies user administration, reduces the user learning curve and improves overall usability.

Out-of-the-box groups include:

- Engineering*
- Manufacturing*
- Shop Floor*

Out-of-the-box roles include:

- Engineering Author*
- Engineering Checker*
- Engineering Manager*
- Manager*
- Manufacturing Author*
- Manufacturing Checker*
- Manufacturing Manager*
- Shop Floor Consumer*
- Consumer*

Preconfigured workflows
Based on the experience Siemens Digital Industries Software has gleaned from thousands of software implementations, Teamcenter Rapid Start comes with a set of preconfigured workflows to help you release your products, including 25 special handlers that are also included in the standard version of Teamcenter. You can use the preconfigured workflows, or you can create

custom workflows to meet your business needs. Teamcenter Rapid Start also includes simple and preconfigured change management.
For those situations requiring specific process compliance, you can reconfigure and adapt the Teamcenter Rapid Start standard workflows, or create new ones quickly.

Out-of-the-box workflows include:

- Change Status to Rejected*
- Change Status to Released*
- Change Status to Review*
- Development Release*
- Engineering_Order*
- Obsolescence Process*
- Production Release*
- Quick Release*
- Status Change*
- Create snapshot
- Unrelease status

Preconfigured statuses
To help process workflows, Teamcenter Rapid Start comes with a set of preconfigured statuses. You can use the preconfigured statuses, or you can create custom statuses to meet your business needs. Teamcenter Rapid Start also delivers a configuration management model supporting revision rules, revision status filtering and basic revision effectivity using dates or unit numbers. Out-of-the-box statuses include:

- 10 – Rejected*
- 20 – In Review*
- 30 – Development Release*
- 60 – Production Release*
- 90 – Obsolescence*

Search queries for quick search
- My ItemRevisions (WIP)*
- My ItemRevisions (Released)*
- My Documents
- All ItemRevisions (Released)*

Email
- Send/Compose email with Teamcenter data attached
- Store/Link important emails into Teamcenter

Platform
- Choice of databases (SQL and Oracle)
- Full Teamcenter browser support (any browser that supports HTML5, such as IE, Edge, Chrome, or Firefox)
- Full Teamcenter web server support (WebLogic, WebSphere, JBoss, Tomcat)
- Support for all Teamcenter languages

Add-on applications
You can add on the following capabilities to Teamcenter Rapid Start. In addition to these modules, you can also grow your deployment to include any of the standard Teamcenter modules with some changes to your configuration.

- Classification
- Schedule manager
- Requirements management
- Multi-site collaboration
- MCAD integrations
- ECAD integrations
- ERP integration
- Visualization levels

Active Workspace
Teamcenter Rapid Start delivers preconfigured roles and workflows for PDM. Teamcenter can be hosted within the MCAD and ECAD environment using the Active Workspace client, so designers can easily access Teamcenter Rapid Start without opening a new application or window for PDM.

However, if you want to extend your implementation to reach new users with browser-based access, you can use Active Workspace. Active Workspace provides a simple web interface tailored to the specific needs of PDM users beyond design engineering.

Preconfigured Teamcenter Rapid Start functionality that is included with Active Workspace includes:

- Command, menus and type suppression*
- Pre-configured workflows*
- Simple and preconfigured change management*
- Pre-defined reports*

Preconfigured Teamcenter Rapid Start functionality that is not included with Active Workspace:

- XpresReview Package

	Teamcenter Rapid Start	Standard Teamcenter
DB Support		
MS SQL	Yes	Yes
Oracle	Yes	Yes
Web server support		
WebLogic	Yes	Yes
Jboss	Yes	Yes
WebSphere	Yes	Yes
Tomcat	Yes	Yes
Languages	Same	Same
Over the web installer	Yes	Yes
Visualization		
Base	Yes	Yes
Standard	Optional	Optional
Professional	Optional	Optional
Mockup	Optional	Optional
MCAD Integrations		
NX (CAD and CAM)	Optional	Optional
Solid Edge	Optional	Optional
CATIA	Optional	Optional
Creo	Optional	Optional
Inventor	Optional	Optional
AutoCAD	Optional	Optional
SolidWorks	Optional	Optional
ECAD Integrations		
Mentor PADS	Optional	Optional
Mentor Xpedition/ Xpedition EDM	Optional	Optional
Altium Designer	Optional	Optional
Cadence Allegro/ORCAD	Optional	Optional
Zuken CR series	Optional	Optional
Mentor Capital Harness	Optional	Optional
AutoCAD Electrical	Optional	Optional
EDA Gateway	Optional	Optional

	Teamcenter Rapid Start	Standard Teamcenter
Capabilities		
Preconfigured installation	Yes	Manual configuration required
Active Workspace	Yes	Yes
Basic BOM management	Yes	Yes
Basic change management	Yes - preconfigured	Manual configuration required
Workflows	Yes - preconfigured	Manual configuration required
Roles, groups, users	Yes - preconfigured	Manual configuration required
XpresReview Package	RAC-only	No
Document management	Yes	Yes
Microsoft Office integration	Yes	Yes
Classification	Optional	Optional
Schedule manager	Optional	Optional
Requirements management	Optional	Optional
Multi-site collaboration	Optional	Optional
Teamcenter gateway extension package	Optional	Optional
Gateway for SAP and Oracle	Optional	Optional

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