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Ingenuity for life

Teamcenter Rapid Start SaaS for NX

Helping NX customers take control of designs, data and processes to streamline business productivity and performance with PDM on the cloud

Benefits

- Cloud delivery provides instant access to PDM capabilities and processes
- Secure and cost-effective delivery of PDM value and return-on-investment
- Predictable operational expense versus capital expense
- Flexibility, scalability and reliability that matches business demands
- Allows IT to focus on core business functions versus managing the environment
- Eliminates complexity, time, cost and risk of installation, maintenance and upgrades
- Enterprise-grade infrastructure and security
- Simplifies common product development and engineering tasks

Summary

Your company is continually challenged to reduce development costs, improve productivity and increase quality. In addition, your designers require 100 percent confidence in their ability to find the latest information, work on correct versions and synchronize data between different company sites. At the same time, you must adapt to changing markets, often moving from centralized product development to distributed design with global partners.

The Teamcenter® software Rapid Start configuration for NX® software from Siemens PLM Software delivers the world's most widely implemented product lifecycle management (PLM) solution to support NX computer-aided design (CAD). Teamcenter Rapid Start SaaS for NX is available through a software-as-a-service (SaaS) delivery model, to help you manage and share

product information, accelerate your product-related processes and successfully manage your most precious asset – product knowledge.

NX is integrated with Teamcenter Rapid Start for an engineering design, data and process management solution that is delivered on the cloud. The SaaS delivery provides NX users with instant access to Teamcenter Rapid Start pre-configured product data management (PDM) capabilities for a simplified user experience based on common best practices and the expertise of Siemens PLM Software. NX is run on the local device, and CAD files are cached locally to optimize the user experience for designers working with complex parts and large assemblies.

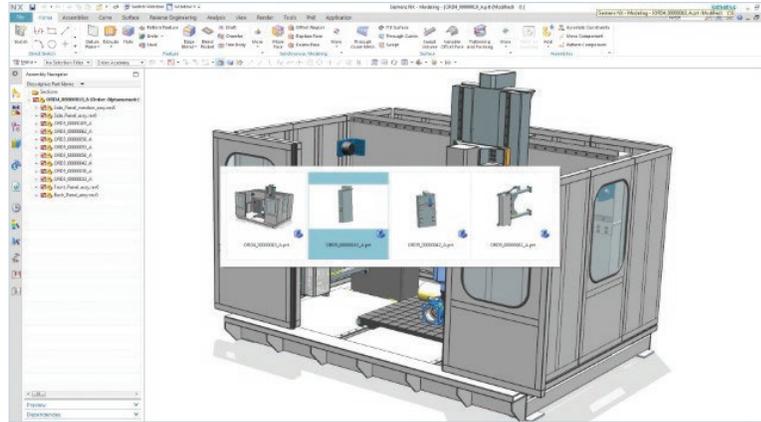
The PDM environment leverages Active Workspace, which is an innovative interface for Teamcenter that provides you with a streamlined and intuitive PDM user experience. Active Workspace is embedded within NX, which enables designers to execute PDM actions directly from within NX, without having to leave the CAD environment. Beyond the NX user, Active Workspace can help you increase productivity business-wide by allowing you to find what you need faster, providing you with seamless access to PDM when and where you need it.

With this configuration, Teamcenter Rapid Start SaaS for NX is Siemens-managed, with named-user licensing, software delivery and upgrades managed via the cloud. The flexible SaaS financial model (operational expense versus capital expense) includes setup,

Teamcenter Rapid Start SaaS for NX

Benefits *continued*

- Improves ability to accommodate and communicate design changes
- 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
- Delivers higher-quality designs and products



administration and operations management services to get you up and running quickly and cost-effectively, for a fast return on your investment.

The Siemens-managed SaaS environment is built on the enterprise-grade Amazon Web Services (AWS) infrastructure, which includes security, compliance and support for global organizations. The AWS cloud infrastructure is housed in AWS's data centers, designed to satisfy the requirements of its most security-sensitive customers. The AWS infrastructure has been designed to provide the highest availability while putting strong safeguards in place regarding customer privacy.

Mechanical computer-aided design

NX offers power, control and performance to improve your design processes. With NX, you can seamlessly connect digital and physical worlds, bringing ideas to life faster. NX provides key capabilities for fast, efficient and flexible product development with advanced solutions for conceptual design, 3D modeling, data re-use and documentation.

NX can be used to accelerate design by helping you leverage your unique knowledge, intellectual property, part models, product and process expertise

and best practices. NX allows you to easily work on both NX and non-native design data due to predictable results with synchronized rules, features, and geometry. Additionally, with an extensive library of knowledge for re-use at your fingertips, including designs, standard parts, design features and product templates, you can quickly locate what you need and use it again.

Mechanical design and data management

Teamcenter Rapid Start enables NX design teams to create, manage and re-use native design data, all in a single, secure PDM environment. You can manage and accelerate design collaboration for any size engineering team with seamless management, control and security for your NX data. Your users can rapidly search for designs, manage data revisions and product structures, and participate in workflows like design release and engineering change.

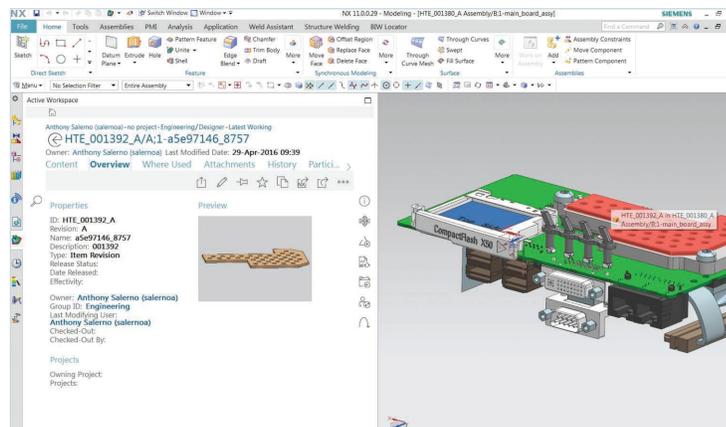
Using embedded Active Workspace, your NX design teams can enjoy uninterrupted productivity and superior usability. NX designers can access live Teamcenter Rapid Start capabilities, including check-in/check-out, maturity status, revision, where-used, what's changed and more. With access to the PDM inbox from Active Workspace,

designers can work directly on assigned tasks without ever leaving NX. They can participate in workflows and manage workflow tasks, with the convenience of data and change objects working seamlessly together.

NX multi-CAD support enables design teams to load and assemble designs from any major CAD system into NX for multi-CAD product development. NX works with NX designs as well as JT format representations of non-NX designs, and eliminates unnecessary delays caused by constant data translation. This innovative approach to multi-CAD collaboration enables your business to leverage other CAD design data. Designs can be shared in the neutral JT format with non-NX users, using the embedded JT viewer in Active Workspace. NX designs can also be assigned part numbers and related to a common product structure in a bill of material (BOM).

Going beyond the NX workgroup, Teamcenter Rapid Start enables people in different locations and throughout your supply chain to work closely together to streamline product development processes. All design information created using NX is captured, controlled and shared in a single, highly secure PDM environment, while version management and access control ensure that the right people get the right information at the right time. You can extend your PDM environment beyond engineering to share designs and documents and support business-wide collaboration.

- On-demand access to Teamcenter Rapid Start parts, assemblies, drawings and data from inside NX
- Navigate, search, view data, check-in/check-out, access documents



- Participate in workflows directly from the Active Workspace inbox
- Vault, manage and control multiple revisions of component and product designs
- Capture, control and share NX data in a highly secure Teamcenter Rapid Start environment, with support for all advanced Teamcenter Rapid Start security designations and data access controls
- Ability to create new product revisions or version updates for work in progress
- Ability to create, configure and edit a product structure in either Teamcenter Rapid Start or NX
- Consistent visualization of assemblies and their constructs in NX and Teamcenter
- Ability to load product structure by applying configuration rules (revision rules)
- Selective/partial load of product structure for efficient management of assembly designs
- Where-used/referenced queries on interpart relations in either NX or Teamcenter Rapid Start
- NX multi-CAD support using JT representations of non-NX designs
- MCAD-neutral visualization with JT viewer
- Intelligent part numbering to automatically generate part numbers that are consistent with company standards
- Access manager with separate security permissions on data
- Bill-of-materials (BOM) management to provide visibility to the product definition
- Product structure manager for creating and editing product structures outside of NX
- Relationship browser for easy viewing of product structures and associated workflows

Document management

The product definition is not limited to the design. Teamcenter Rapid Start manages Microsoft® Office® and Adobe® documents to create a single repository for all product-related data and extend the use of PDM to users outside of the engineering department. In one central system, you can maintain up-to-date technical publications, process sheets, customer requirements, manufacturing setups, test specifications or any other documents that you may want to manage. You can route documents for review and comment using the embedded 3D viewer with both text and image markup capabilities.

Reporting

Teamcenter Rapid Start provides pre-configured reports, including BOM management and change management.

Shop floor viewer

Teamcenter Rapid Start offers a pre-configured shop floor viewer group to help manufacturing teams find up-to-date product release data.

Preconfigured workflows and statuses

Based on common best practices and the experience Siemens PLM Software has gleaned from thousands of PDM implementations, Teamcenter Rapid Start comes with a set of preconfigured workflows and statuses to help you release your products, including 25 special handlers. Teamcenter Rapid Start includes simple and preconfigured change management, along with a configuration management model supporting revision rules and revision status filtering.



Cloud-delivered workflows include:

- Development release
- Obsolescence process
- Production release
- Quick release
- Status change
- Engineering order

SaaS delivery model

The SaaS model provides the easiest way to get up and running quickly – simply subscribe and go.

- No waiting on capital expenditure budget or hardware requisitions
- Increase speed and agility
- Allows IT to work on business-specific projects instead of undifferentiated tasks

Siemens has partnered with industry leader, Amazon Web Services (AWS) as our cloud infrastructure partner to provide proven security measures. In general, your data is much safer on the cloud than it is on premise. AWS has comprehensive security capabilities to satisfy the most demanding information security requirements. In fact, many U.S. government agencies and companies small and large use the same AWS cloud infrastructure that Siemens uses to protect your data.

Manage NX designs and product-related data on the cloud for fast time-to-value

The Teamcenter Rapid Start SaaS and NX solution provides you with a comprehensive design and data management environment to support your business processes. Capitalize on our flexible SaaS subscribe-and-go model to get your PDM environment up and running quickly and cost effectively, for a faster return on your investment.

Siemens PLM Software
www.siemens.com/plm

Americas +1 314 264 8499
 Europe +44 (0) 1276 413200
 Asia-Pacific +852 2230 3308

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