

TCI

The 3DEXPERIENCE Teamcenter Integration



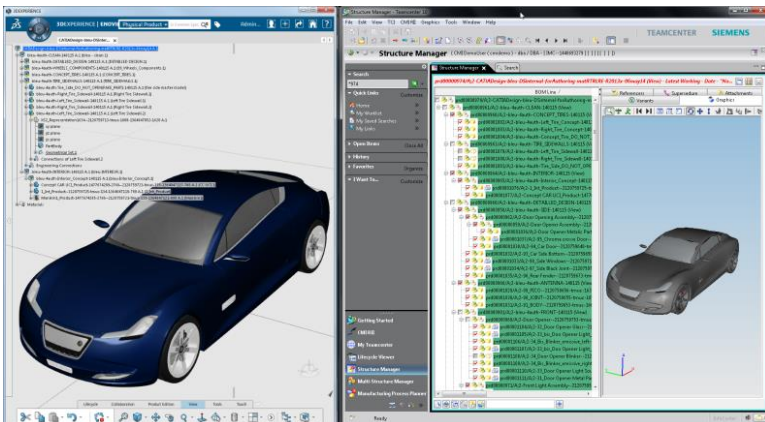
The 3DEXPERIENCE CATIA V6 Teamcenter Integration (TCI) is a comprehensive solution for all kinds of integration scenarios. The solution integrates the 3DEXPERIENCE virtual product structure to the Teamcenter product structure

Characteristics

- CATIA V6 can be used as an authoring tool in the context of a Teamcenter PLM environment
- Highly configurable for object mapping and customer specific adaptations
- Supports coexistence, migration, and cross-system border collaboration
- Integrates CAD data format converters and CAD data optimizer for many CAD formats like JT, STEP, 3DXML, CATIA, and other formats (third party converters may be required)
- Compatible with the CATIA V5 integration data model in Teamcenter
- Functionality is available in Teamcenter via “Structure Manager” and “My Teamcenter” applications and in the 3DEXPERIENCE Rich Client
- Exchange of configuration data
- Offers an external web client for administration, execution and visualization of Teamcenter product structures and 3DEXPERIENCE virtual product structures

Key Features and Technical Highlights

- Bi-directional exchange of 3DEXPERIENCE virtual product structure and Teamcenter product structure
- Attribute, revision, and life cycle state mapping
- Manages access rights to product structures and geometry files between Teamcenter and 3DEXPERIENCE
- Applies Teamcenter configurations to 3DEXPERIENCE
- Item Type to 3DEXPERIENCE Part Type mapping
- P&O and security mapping, Non-CAD Document exchange
- Validation of 3DEXPERIENCE data import (post processing)
- Re-conciliation of CATIA V5 CATProduct structure with Teamcenter product structure (pre-processing)
- Functionality in CATIA V6:
 - Send a structure to Teamcenter
 - Query for Teamcenter Item Revisions
 - Display Teamcenter properties
 - Pull Item Revisions from Teamcenter
 - Filter structure by Teamcenter configuration
- Functionality in web client:
 - Query and send from Teamcenter to 3DEXPERIENCE
 - Query and send from 3DEXPERIENCE to Teamcenter



TCI in 3DEXPERIENCE and Teamcenter

T Systems

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Services

- Installation support
- Customizing/development support (off and on-site)
- On-site or WEB-based training
- On demand software releases allow fast realization of additional customer requirements

Supported PLM Systems

Application	Release
Teamcenter	11.2.x, 12.x, 13.x, 14.x (all 4-tier)
3DEXPERIENCE	R2021x, R2022x, R2023x, R2024x other versions on request

Platform	OS Level
Microsoft Windows	Server 2016 and higher
other platforms	on demand

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