

Solid Edge – PLM Connect Product Brief

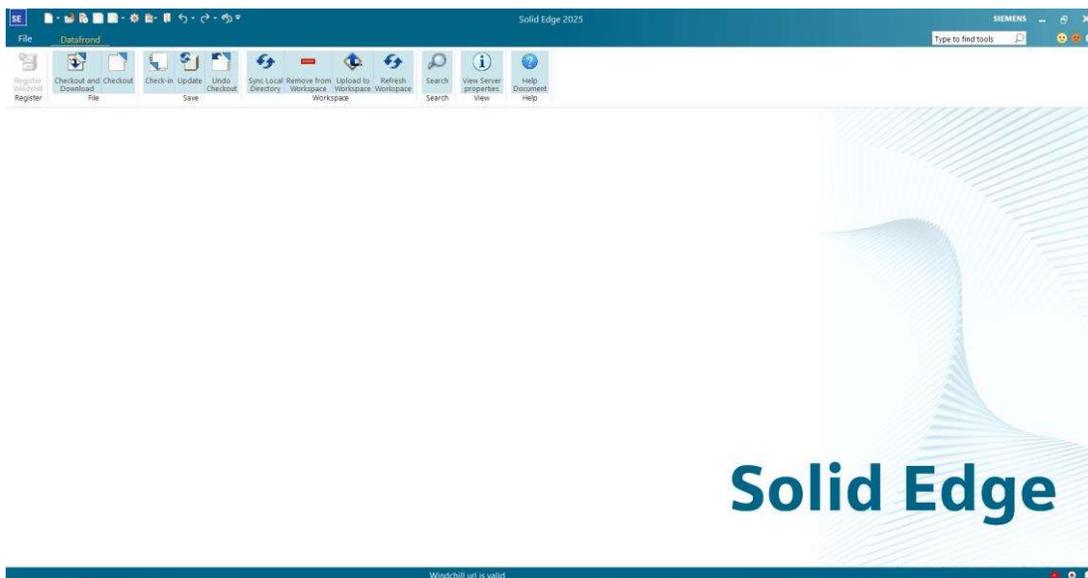
Overview

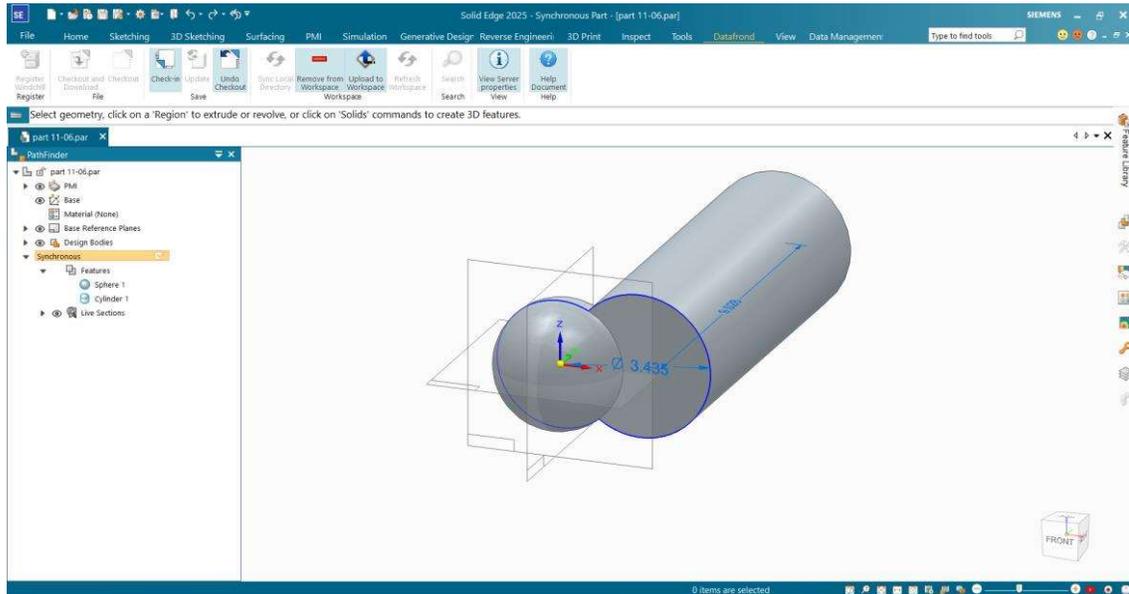
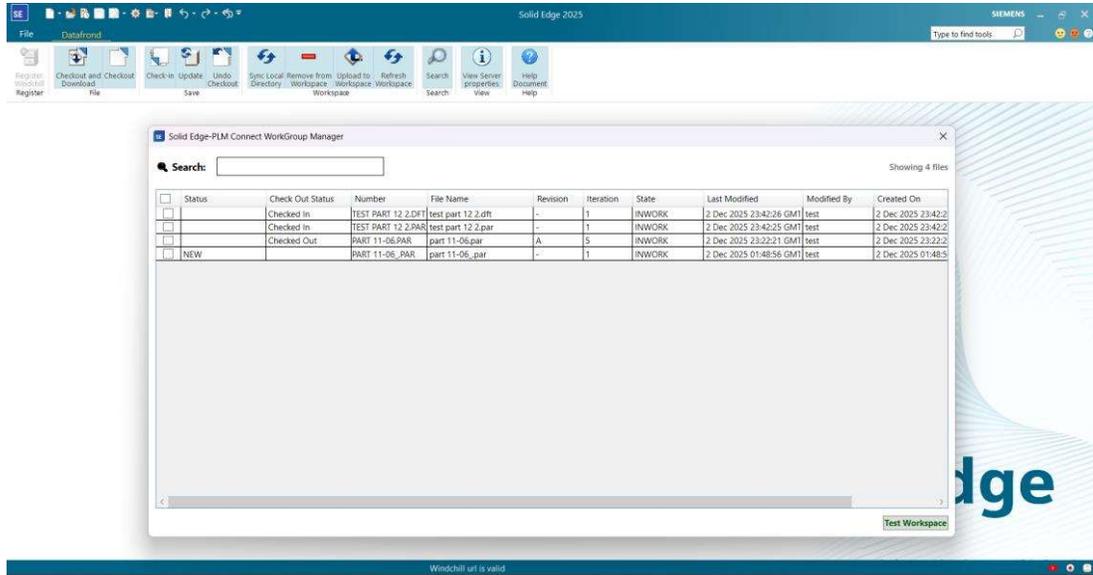
The Solid Edge – PLM Connect is a robust solution designed to seamlessly connect Siemens Solid Edge CAD software with the Windchill PLM system. This plug-in enables efficient document management, secure file transactions, and streamlined collaboration between engineering and product lifecycle management teams.

Benefits

- **Seamless Integration:** Enable Solid Edge users to register, authenticate, and interact with Windchill servers.
- **Efficient File Management:** Support check-in, checkout, download, and metadata synchronization of CAD files.
- **User-Centric Design:** Provide an intuitive interface with real-time feedback, contextual help, and clear error reporting.
- **Secure & Scalable:** Ensure secure sessions, configuration-based limits, and centralized logging.

User Interface





Features

Windchill Server Registration

- Register server details (URL, workspace, local directory).
- Secure login via popup authentication.
- Persistent configuration storage for reuse.



Check-in

- Upload CAD files with dependencies and metadata.
- Auto-generate XML packages for Windchill ingestion.
- Enforce file limits via wgm.ini configuration.

Checkout & Download

- Search and retrieve CAD files and dependencies.
- REST API-based checkout and download.
- Error handling for locked or missing files.

Metadata Update & Sync

- Update file metadata (revision, state, timestamps).
- Sync local directory with Windchill workspace.
- Enforce sync limits via configuration.

Workspace Management

- Remove files from the local Windchill workspace.
- Upload files directly to the workspace.
- Undo checkout to release file locks.

Technical Specifications

- Programming Language: Java
- Communication Protocol: XML-based web services
- Configuration: Stored in .ini files or registry
- Error Reporting: Centralized logs with severity categorization
- Localization: English (US standards)

User Interface Highlights

- Status indicators for file sync and modification.
- Search interface with dependency retrieval options.
- Dropdown filters for CAD Drawings and Models.

Target Users

- CAD Engineers using Solid Edge



- PLM Administrators managing Windchill
- IT teams supporting engineering workflows