



xLM

**SolidWorks Enterprise PDM
Solutions**

SolidWorks



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ENOVIA SmarTeam to SolidWorks EPDM Automated Migration Tool

Solution

A fully automated tool for system migration from ENOVIA SmarTeam to SolidWorks Enterprise PDM

Features

Custom Data Migration

Migration scope configurable to include only selected SmarTeam projects with associated data and files

Project Structure Mirroring

An EPDM folder hierarchy is constructed to reflect the original SmarTeam project structure

Data Integrity Assurance

SolidWorks data is verified before migration

Revision History Preservation:

Full file revision history is maintained after migration

Lifecycle Workflow Integration

Default SmarTeam lifecycle workflows may be integrated into EPDM

Customization Extensibility

APIs are available for further migration process customizations (attribute mappings, folder creations, etc.)

Benefits

- Provides a “smooth” and efficient migration experience
- Minimizes data transformation risks
- Reduces manual efforts
- Facilitates EPDM configuration



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Custom Prefixed Part Number Generation Tool

Solution

A configurable tool for custom part number generation using a selectable prefix

Features

A drop-down list provides a selection of prefixes and the selected prefix is prepended to the next available data card serial number to form the custom part number

Benefits

- Supports company-specific part numbering schemes
- Allows easy category identification from the part number prefix



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Batch Printing and Neutral Format File Generation Tool

Solution

A tool for batch printing and generating neutral format files for use in EPDM events and workflows

Features

Neutral Format Generation

STEP files are created for Models

PDF files are created for Dependent Drawings

ZIP files are created for the STEP and PDF files, each with the respective source document

Output Directory Configuration

Specifies the location for the tool output files

Intuitive File Naming Convention

Generated files are named according to the <part number>_”revision”.format convention

Benefits

- Supports external business processes and allows file exchanges despite site, web, and network security policies
- May be used to generate design snapshots
- May be used for backups

Note

Tool may be converted to a standalone application or a batch server



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Data Card Input Validation Tool

Solution

An input validation tool for EPDM data cards

Features

Validation

Input data is examined for format errors

Field Requirements

Mandatory fields may be enforced

Flexible Application

Mandatory fields enforcement may be data card- or user-based

Easy Configuration

XML-based validation ruleset configuration

Benefits

- Minimizes user errors
- Enforces company data standards



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Folder Name Generation and Custom Access Permissions Tool

Solution

A tool for generating custom EPDM folder names and assigning access rights to a specific user group based on the folder name

Features

Group Name Based Folder Generation

Appends a system user group name to a given name for folder generation (e.g., *FolderName_UserGroup*)

Folder Name Based Group Permissions

Grants **write** and **release** rights only to members of *UserGroup* for all data in *FolderName*

Easy Configuration

XML-configurable tool application scope and rules

Benefits

Reduces administration efforts, particularly for large folder structures and cases when the folders are organized by disciplines



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