

EVERY PLM IS A PLATFORM FOR INTEGRATION AND COLLABORATION BASED ON THE STEP PLCS STANDARD

Description

everyPLM is composed of the everyPLM server and the everyPLM gateways. The server manages the users, the projects, the information workflows, the messages and the mappings. The gateways communicate with the legacy systems. everyPLM is different from other PLCS-based solutions. Instead of replicating the information in a new data repository, everyPLM exchanges and integrates the product data contained in the proprietary repositories.

everyPLM and PLCS

PLCS stands for Product Life Cycle Support and it is the acronym adopted for the ISO 10303:239. PLCS is the international standard for the representation and the exchange of product data that covers the entire life cycle of the product, from the requirements definition to the logistic support and disposal. PLCS formalizes the representation of product data in a non proprietary information model, internationally accepted and recognized. The coverage and the flexibility of PLCS make it suitable for complex data exchange scenarios. everyPLM uses the PLCS standard as a canonical model, i.e., a centralized common information model. The usage of a canonical model eliminates the need to implement and maintain one-to-one integrations between legacy systems.

Functionalities

Information modeling through PLCS
everyPLM assists the user with a graphical interface to identify the subset of the PLCS model that satisfies the requirements for data exchange.

Definition of the mappings
The user maps the subset of the PLCS model with the legacy data formats.

Information exchange
The eVeryPLM gateways apply the stored mappings to transfer the information.

Reading and writing of files in standard format
everyPLM reads and writes files in the ISO 10303:21 and ISO 10303:28 formats that are conformant with the ISO 10303:239 data model.

Validation
The incoming and outgoing information is validated both syntactically and semantically.

Business rules definition
Within everyPLM it is possible to define business rules related to the exchange.

Information workflows management
Workflows describe the tasks to be executed, the trigger conditions and the rights and roles of the associated users.

Output files and reports
The information stored and managed in everyPLM can be exported as a file or printed as a report.

Errors and feedback
The users receive a feedback on the operations and everyPLM automatically initiates the workflow associated with them.

Web browser
everyPLM is web-based and is accessible through a web browser.

Integrations

Teamcenter Engineering
Teamcenter Enterprise
Teamcenter Unified
Windchill
Smarteam
Enovia
Sherpa
3D.Evolution
KUKA

CATIA
Solid Edge
SolidWorks
ProEngineer
AutoCAD
Autodesk Inventor
NX Unigraphics
CoCreate
Mentor Graphics

SAP
Axapta
IBM AS/400
Microsoft Navision
Oracle JD Edwards

Microsoft Office
Microsoft Project
Adobe PDF
AutoVue
SpinFirePro