

Integrate Product Data: CAX, PLM, ERP, SDM, OSLC, Web Services, STEP, XML, and more with the leading vendor neutral software built to *connect virtually any system for faster, more efficient product development.*



OUR OPENSOLUTION PRODUCT FAMILY

OpenPDM is the leading platform exclusively built with official, partner-certified, commercial off-the-shelf connectors made to integrate and migrate systems between different vendors and throughout system domains.

With PROSTEP's official, partner-certified connectors, you'll be able to connect leading PDM systems for bi-directional, synchronized data flow, making your data always consistent and up to date in all systems.

By integrating your PLM with downstream business processes, you minimize risk so you can bring products to the market faster and more efficiently with less errors. Our connectors give you the traceability for full digital thread and digital twin execution, ensuring complete digital transformation.

OpenPDM is the integration platform of choice used by industry experts for over 25 years. OpenPDM includes:

- OpenPDM Integrate
- OpenPDM Migrate
- OpenPDM Connect
- OpenPDM Collaborate
- OpenPDM CCenter

OpenPDM uses official, partner/vendor certified connectors to ensure quick deployment, reliable integration, and immediate ROI.

Some of PROSTEP's leading partners include:



OpenPDM At-a-Glance

OpenPDM gives you the ability to connect any number of PLM systems regardless of use by different disciplines, domains, departments or locations. The solution links all PLM relevant information including CAD data, documents, versions, and structures from different data sources.

Here's What You Can Do:

- Easily integrate COTS and legacy systems
- Quickly transfer and link all relevant PLM information
- Synchronize data, structures, versions, and processes from different data sources
- Support for synchronous and asynchronous processes
- Integrate any number of systems for limitless scalability
- Advanced API use of official system interfaces

Benefits:

- Easiest solution for end-to-end PLM processes
- Fast implementation using pre-configured business logic
- Seamless integration of business processes across PLM and ERP system boundaries
- Maximum investment protection with ongoing maintenance and continued development

Our OpenPDM product family comprises:

OpenPDM Integrate

OpenPDM Integrate is the integration platform used by companies looking to connect and synchronize data between multiple systems at different locations and departments. The solution gives you the ability to link or transfer all PLM relevant information including CAD data, documents, versions, and more to be synchronized across data sources. OpenPDM works with virtually all leading PLM, ERP, ALM, and SDM systems ensuring data flow for end-to-end business process synchronization.

OpenPDM Migrate

OpenPDM Migrate is the migration platform required for fast, efficient migration of existing PLM data from an old system to a new system. The platform supports an all at once migration (big bang) or temporary coexistence of new and old systems so you can migrate your data at your own pace. OpenPDM Migrate connectors are flexible enough to migrate virtually any type of data including individual parts, BOMs, documents, and complex product structures. The solution also supports PLM data consolidation if you're looking to move PLM data and other data sources from multiple systems into one.

OpenPDM Connect

OpenPDM Connect enables you to quickly and easily connect two PLM systems for the automatic synchronization of product data. Like, OpenPDM Integrate, Connect gives you the ability to transfer a variety of information including individual parts, BOMs, documents, complex product structures, version, status, metadata and more. Out of the box functionality gives users the quickest way to connect the following systems:

- CATIA 3DEXperience (CATIA V6) with Windchill, Teamcenter or SAP
- DELMIA 3DEXperience (DELMIA V6) Windchill or Teamcenter
- SAP with Teamcenter, Windchill, or 3DEXperience

*this list is subject to ongoing expansion. Please contact PROSTEP at infocenter@prostep.com to receive the latest list

OpenPDM Collaborate

Exclusively built for joint ventures or other long-term collaboration scenarios, OpenPDM Collaborate gives you customized solutions for the automated provision and synchronization of PLM and CAD data. OpenPDM Collaborate helps long term partnerships and joint ventures by synchronizing development data at regular intervals. Depending on your use case, the provision of data in one system can be automated completely or partially. OpenPDM Collaborate is flexible and highly configurable, adapting to each partners needs of operations and security measures.

OpenPDM CCenter

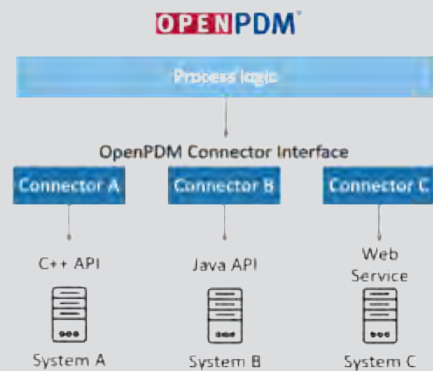
OpenPDM CCenter is a self contained collaboration platform for the secure provision of shared data in distributed development projects. With numerous partners involved in product development, OpenPDM CCenter makes data available to all those involved in a project in a secure, shared environment outside of their own PLM systems. This enables new partners to easily integrate and expired partnerships to quickly dismantle.

Technical

OpenPDM allows standard access to connected systems giving users the flexibility to integrate any number of systems, new or legacy.

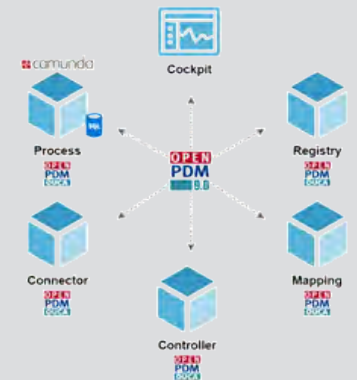
Supported operations include:

- Query objects
- Create/Read/Update/Delete Business objects
- Create/Read/Update/Delete Relationships
- Check-In / Check-Out
- Login / Logout from backend
- Transactions
- Execute Transitions (change lifecycle states)
- Execute Workflows
- Modify Ownership/Security/Projects, etc.
- Download / Upload / Delete Files
- Bulk operational methods



Architecture:

OpenPDM supports a micro service-oriented architecture where every service can run standalone or in combination with one another. These services can be integrated in any process or engine.



Export/Import Worker:

OpenPDM logic is part of the connector service and allows a boost in performance by reducing HTTP calls and direct access to backend specific API.

Mapping:

OpenPDM can work standalone or integrated into any other service, supporting XML, Java, and Groovy mapping variants. New variants can easily be integrated. OpenPDM has a distributed architecture based on microservices utilizing the OpenPDM Unified Component Architecture. Versioned PLM data (metadata, structures, and files) are handled by RESTful interfaces. Our business process engine uses the popular BPMN solution Camunda and is specialized to handle semantical data.

Contact PROSTEP

Toll Free: 1-811-678-3701

Email: infocenter@prostep.com