

IBM PLM Relational Product Development Product Data Management integration using Geometric Software Solutions

Improve designer and engineer productivity



Highlights

- ***Increases the efficiency of the product development process***
- ***Enables a company to fully leverage a larger portion of its product data***
- ***Provides point-to-point integration between ENOVIA V5 VPM and Enterprise PDM systems***
- ***Allows local access to design data and improves user performance.***

Integrating Product Data Management

Companies are recognising that a tightly integrated Virtual Product Development Management (VPDM) solution is needed to manage and exploit the intellectual property created by today's advanced Computer Aided Design (CAD) systems, and to maximise the return on investment (ROI) for their Product Lifecycle Management solutions. However, many companies may have already invested in an enterprise Product Data Management (PDM) system that is incapable of managing the CAD data to the new levels required. They need to integrate these VPDM systems with their existing enterprise PDM to manage the design and release of part-related product data across the extended enterprise.

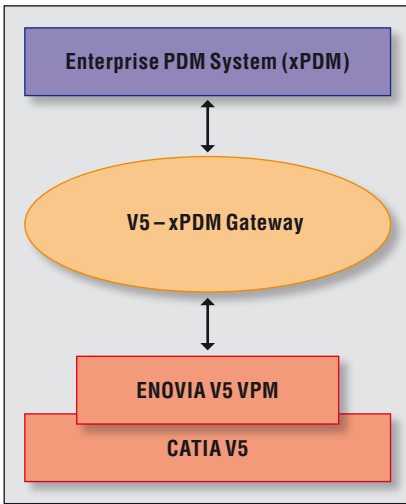
Point-to-point integration

To address the challenge IBM offers V5-xPDM Gateway, a Geometric Software Solution Limited product. This is a point-to-point integration solution which provides a process and use-case based integration.

The solution facilitates the exchange of design and engineering data between ENOVIA V5 VPM and two PDM systems from UGS (Teamcenter Enterprise and Teamcenter Engineering), using standard off-the-shelf Application Program Interfaces for the adapters.

Benefits of V5-xPDM Gateway

V5-xPDM Gateway is officially approved by PLM vendors, such as Dassault Systèmes and UGS. This solution provides a scalable environment with built-in engineering change support. The solution architecture ensures reusability of product components, enabling the development of new integration points between various PLM systems to support defined business processes.



V5-xPDM Gateway transactions run in the background and the integration is transparent to the user. The user isn't required to use a separate user interface to execute transactions. Furthermore, a point-to-point integration can lower the costs and time associated with implementation.

Improving access and performance

With V5-xPDM Gateway, local access to all design data is enabled, while all multi-model links and part constraints are preserved. To enable improved performance, users do not have to wait for CAD files to be extracted from or sent to a central PDM system, and users do not need to manually resolve file dependencies. The Work in Progress (WIP) design data stays local within the VPDM system and is released automatically to the enterprise PDM system when it reaches the appropriate level of release readiness as defined in the lifecycle of the part. CATIA enterprise users continue to use their native graphical user interface (GUI) leading to improved productivity.

Why IBM?

Working with IBM Global Business Services, clients have access to an international network of PLM professionals. IBM Global Business Services is a leading business advisor and maintains a deep partnership with the IBM Manufacturing and Research organisations that can bring unique value to a PLM implementation.

IBM provides clients with business process and industry expertise coupled with a thorough understanding of technology solutions, such as the V5-xPDM Gateway solution. IBM also has the ability to design, build and run these solutions, with the potential to develop customised PLM solutions that address clients' unique requirements and deliver bottom-line business results. Known for innovative thinking built on focused business and technology research, IBM is committed to helping fuse business insight with technology to drive lasting economic advantage.

For more information

Please contact your IBM Representative, IBM Business Partner or visit the IBM PLM Web site at:

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