

CIDEON V6 xPDM - SAP Interface



Data and process synchronization between Dassault Systèmes 3DEXPERIENCE and SAP

Along with a complete CAD model administration, the 3DEXPERIENCE platform also offers PLM functionalities.

In most companies a holistic PLM solution has to be integrated into a more or less complex IT infrastructure since many production and planning processes are performed outside of the 3DEXPERIENCE platform, for example in SAP.

To be able to maximize their productivity, both V6 as well as SAP require information from the other system. The bidirectional coupling of such systems is a complex task. Data must be synchronized as soon and securely as possible. To prevent high costs caused by faulty, incomplete or lost data, the synchronization has to be reliable and in time.

CIDEON has developed the CIDEON V6 xPDM - SAP Interface. This software is designed to provide a highly stable and reliable coupling of 3DEXPERIENCE and SAP.

Typical SAP functions, such as creating objects and objectlinks or derivation of SAP Bills of Material can be used as before by using SAP Change Management.

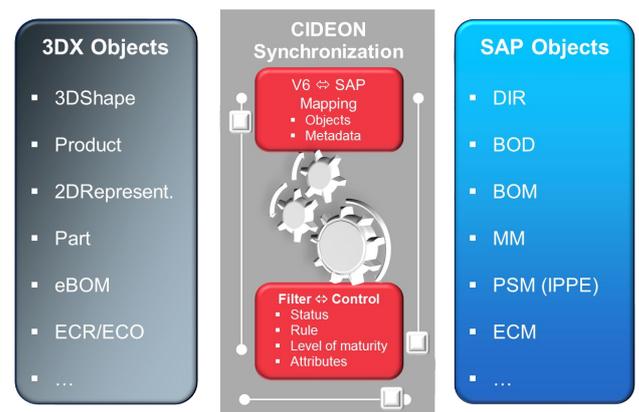


Fig.: Function principle of CIDEON V6 xPDM – SAP Interface.

The PLM7 functionalities, such as the Product Structure Synchronization (PSS) in SAP can be carried out using the synchronized data structures of V6.

Engineering- or manufacturing BOMs can always be generated either automatically controlled or on demand. These BOMs can be used in all downstream processes in SAP.

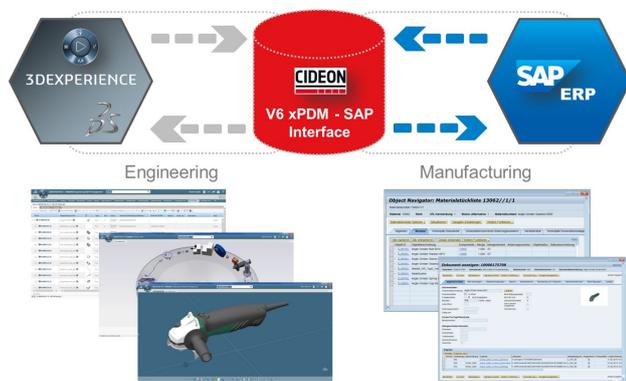


Fig.: Data and process synchronization.

Compatible with SAP PLM and PLM 7.x

The CIDEON V6 xPDM - SAP Interface takes care that objects (e.g. documents, materials, BOMs, metadata, etc.), defined by filters and mapping, are synchronized with SAP and kept up-to-date. Designated functionalities, especially SAP PLM 7.x functions can be immediately applied on objects, that are synchronized with 3DEXPERIENCE.

Harness the full power of 3DEXPERIENCE platform and SAP

With the use of two complex PLM systems within the product lifecycle management arise even a complex integration scenario between both of the systems.

In order to achieve full performance, the entire PLM process is distributed across both systems which implies that necessary information has to be available on both sides.

The CIDEON V6 xPDM - SAP interface ensures that all relevant information will be synchronized and transferred automatically from 3DEXPERIENCE to SAP and vice versa.

PROCESS CONSULTING

ENGINEERING SOFTWARE

IMPLEMENTATION

GLOBAL SUPPORT

CIDEON V6 xPDM - SAP Interface



Functional overview of CIDEON V6 xPDM - SAP Interface

Highlights

- Completely automatic and asynchronous synchronization of data and processes between 3DEXPERIENCE platform and SAP
- Bidirectional data- and process mapping
- Support of SAP Change Management objects (ECR, ECO)
- Highly flexible, customizable and extendable mapping rules
- Event-controlled, customizable synchronization workflows (status- and parameter based)
- Mechanisms for object- and data filtering
- Excellent performance even with large data volumes
- Scalable and reliable architecture
- Complete traces of the synchronization process through detailed logging of all data transfer activities
- Comprehensive administration tools for easy administration and controlled synchronization process



Name	Related Physical Title	Type	Rev	Package	URL/Map/SAP/Item/Status/SAP/Name	Sequence Number	Ref Des	Comp. Loc.	Description	Status
0.0000036.01	Eng420402014	Part	0	Development and Part	00000000000000119					Create
0.0000037.01	900202002_102_001	Part	0	Development and Part	00000000000000140	27903805.000002				Create
0.0000038.01	143114001_1001_001	Part	0	Development and Part	00000000000000141	27903805.0017006				Create
0.0000038.01	143114001_1001_002	Part	0	Development and Part	00000000000000142	27903805.0144002				Create
0.0000039.01	143114001_1001_001	Part	0	Development and Part	00000000000000142	27903805.0209006				Create
0.0000040.01	159133001_1001_001	Part	0	Development and Part	00000000000000144	27903805.0217007				Create
0.0000041.01	339131001_1001_001	Part	0	Development and Part	00000000000000143	27903805.0233007				Create
0.0000042.01	344010101_1001_001	Part	0	Development and Part	00000000000000146	27903805.0239007				Create
0.0000043.01	543301101_1001_001	Part	0	Development and Part	00000000000000147	27903805.0430006			Schwenkflur	Create
0.0000044.01	544100010_1001_001	Part	0	Development and Part	00000000000000148	27903805.0230006			Kabelkopf	Create
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0.0000046.01	730102110_1001_001	Part	0	Development and Part	00000000000000150	27903805.0173000				Create

Fig.: Engineering Parts BOM with SAP Information (Material Numbers).

Versions and system requirements

- SAP ECC 6.0 and above
- 3DEXPERIENCE Platform

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Out-of-the-box Features

3DEXPERIENCE VPM Central Support

- Bidirectional data exchange between VPM Central objects and SAP objects
- Creation and update of SAP Document or Material
- Creation and update of SAP Classification attributes
- Creation of object links between SAP Documents and SAP Materials
- Attachment of preview-, exchange- and neutral file formats (CIDEON Conversion Engine)

3DEXPERIENCE Engineering Central Support

- Bidirectional data exchange between Engineering Central Parts, eBOMs and SAP Bills of Material
- Creation and update of SAP Materials and Bill of Materials (Single and multilevel BOMs)
- Creation and update of SAP Material Classification attributes
- Complex mapping scenarios support

Benefits for your Company

- Quick and optimum adaptation to corporate processes
- Easy handling of complex product information
- Speed-up product development process through timely and company-wide availability of information
- All necessary data for planning, design, production, maintenance and administration, are available in the SAP system
- Avoid double data input and ensure integrated release processes between 3DEXPERIENCE platform and SAP
- Avoid gaps in information and communication errors
- Relieving employees of routine tasks
- Support of searches in SAP by 2D and 3D preview pictures, usage lists, full-text search
- Offers easy and cost effective way to build highly customizable and flexible „Out of the Box“ scenarios for a prototype or test installation
- No need of supplementary UI, all necessary processes runs automatic in background

You will find version-, system requirements and further information as well as a registration for our free webinars on: www.cideon-software.com

