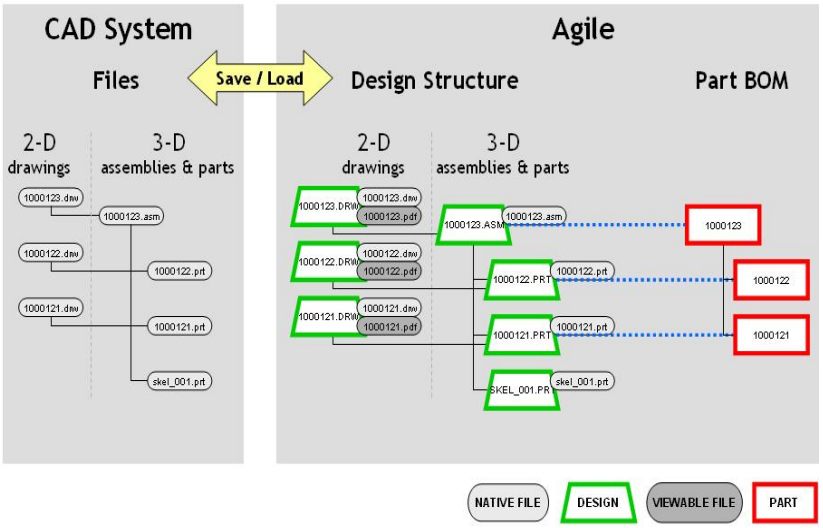
SolidWorks® Integration for Oracle® Agile PLM 9.3

ORACLE CERTIFIED PARTNER

J2xPLM Integration Platform

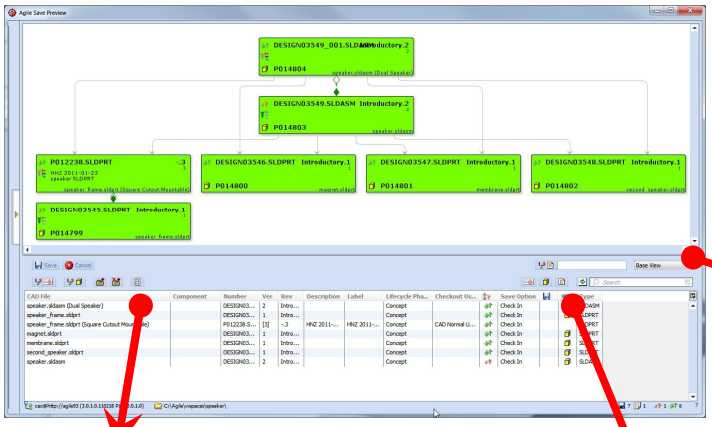
As an Oracle certified partner xPLM Solution now offers a next generation of CAD integrations for Oracle Agile PLM, based on their J2xPLM Integration Platform. The SolidWorks connector offers CAD users an effective and intuitive integration with Oracle Agile PLM. Data and structures of both SolidWorks and PLM are integrated, providing the ability for bi-directional exchange of CAD files, documents, classification, BOM and much more.

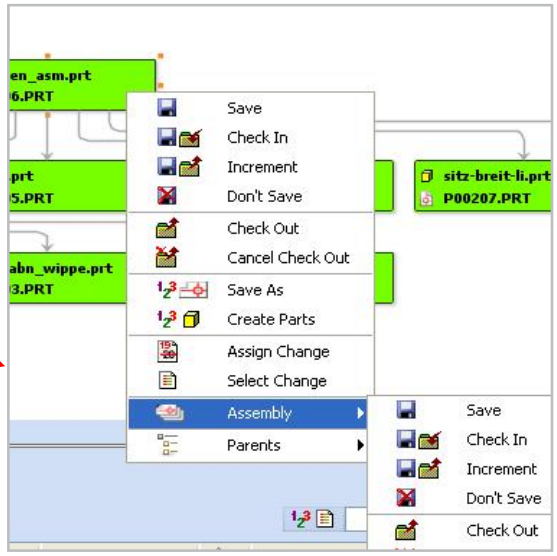
As part of the Agile Engineering Collaboration solution, this connector uses two PLM structures - the "Design Structure" for managing the CAD design files and the related "Part BOM" for representing the physical product. This provides full control over both CAD and product data, with integrated release and change processing.



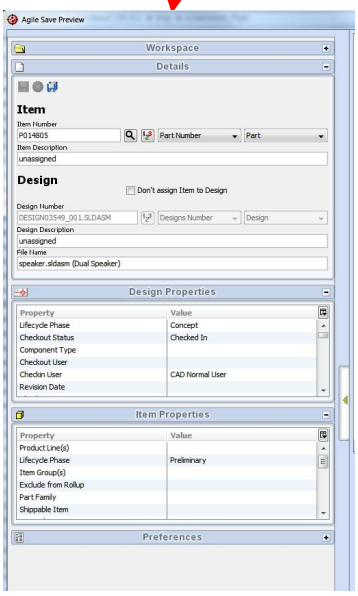
New User Interface with Graphical Structure Browser

CAD users can perform all integration activities using the new web-based user interface that provides a graphical structure browser with a clear overview and easy-to-use context-specific toolbars, menus, dialogs, lists and forms.



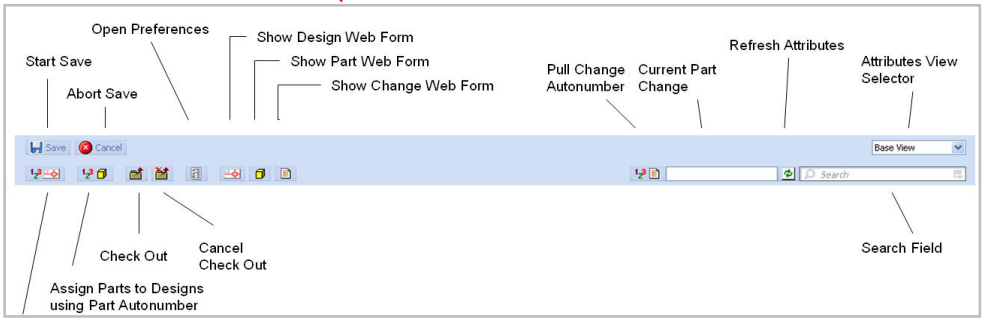


Graphical Structure Browser and Context Menus for Load and Save Dialogs

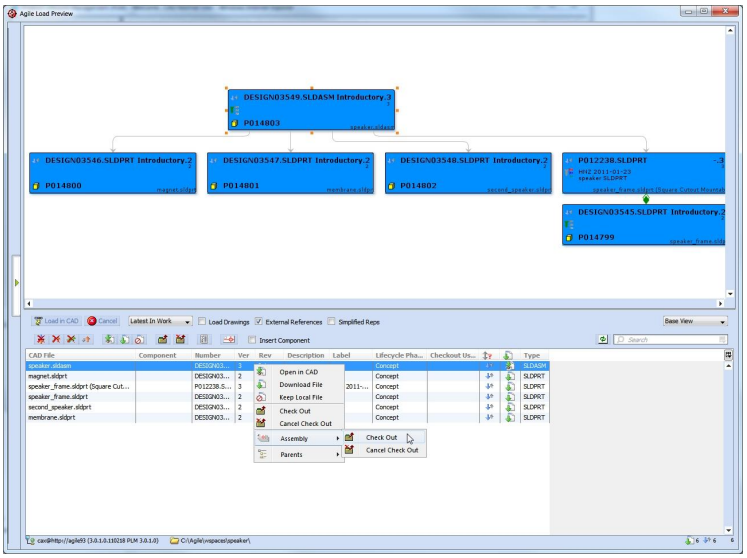


Interactive Dialogs for Workspace Management, Detailed object and property definition, and Preference Settings

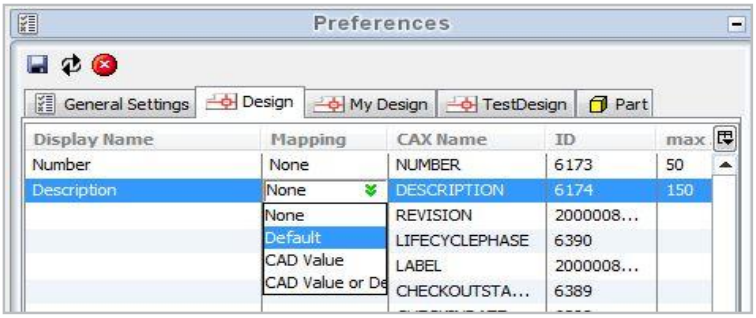
Multiple Toolbar Options for Saving and Loading



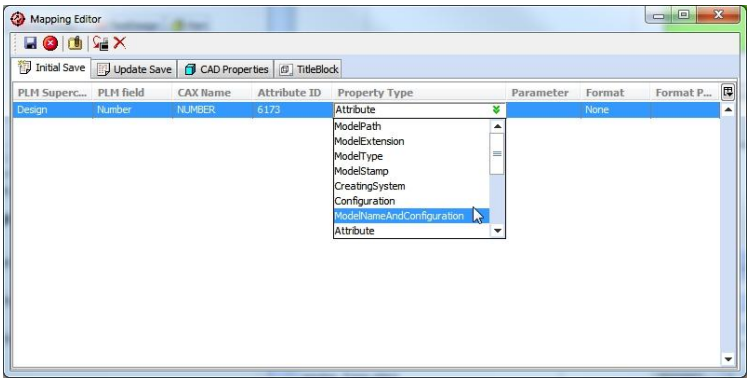
J2xPLM-based CAD connectors provide control over CAD data with full support for release processing, easy PLM access for functions such as loading or saving of CAD data, high security through the use of robust PLM role and privilege functionality as well as automated bi-directional transfer of properties between CAD and PLM.



Load Preview Dialog with Multi-Select and Context Menus



Easy to Use Field Property Mapping



Common bi-directional CAD-PLM property mapping definition

About xPLM Solution: xPLM Solution develops integration solutions between industry leading CAD, PLM, Data Exchange, DMU and ERP systems and provides deployment and support services to the PLM industry. Together with Oracle xPLM Solution established the "Joint Competency Center for CAD Integrations" (J2CI).

Major Features of the SolidWorks Connector

Loading from PLM: Load can be initiated directly from the Agile web client, which then brings up a context-specific Load Preview dialog where the user can select various load options. Multiple structure resolutions are supported including "Latest In Work", "Latest Checked In", "Latest Released" and "As Saved". Loaded files can be inserted into the current CAD assembly, opened in their own window, or simply transferred to the local workspace.

Saving into Agile creates a Design Structure in Agile to manage all CAD files (parts, assemblies, drawings, etc.) supporting CAD work-in-progress design, and making data available to the rest of the organization, as privileges permit. Several numbering options are available for design objects and parts, with optional renaming of CAD files. Viewable files can be automatically created and attached in PLM along with the native file.

BOM Publishing is used to create or update Agile Product Structures based on CAD Design Structures. The Product Structure, or "Part BOM", is the definition of the product that is passed to manufacturing.

Concurrent Engineering: The Connector is designed to enable multiple designers to work at any one time on different portions of the same overall CAD assembly.

Update of Properties: Metadata and classification properties can be exchanged and updated bi-directionally. This enables, for example, the title blocks in drawings to be filled out. The bi-directional mapping between CAD properties and PLM values is defined in the Mapping Editor, which is common between all J2xPLM Connectors.

SolidWorks Configurations: Configuration templates and instances are both maintained within the design structure. Configuration specific structure and attributes are managed.

Workspace Management offers the creation, setting, deletion, zipping and uploading of individual multi-level workspaces, which correspond to folder structures on the local disk.

SolidWorks External Reference Information are stored automatically during the save process. During load the user has the option to include or exclude the external referenced files. Circular, bottoms-up and cross-references are also supported.

System Requirements:

Oracle:	Agile PLM 9.3
SolidWorks:	2010-2012
Operating System:	Windows 7 (32bit, 64 bit)

For details of hardware and software requirements, please refer to respective CAD or PLM prerequisites.

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xPLM Solution

xPLM Solution GmbH
Office Europe: Devrientstr. 5, 01067 Dresden, GERMANY
Telephone: +49 351 82658-0; Fax: +49 351 82658-88

xPLM Solution Inc.
Office US: 15 Charles St.,Three Rivers, MA 01080, USA
Telephone: +1 413 289-9656; Fax: +1 413 289-9414

Email: xplm@xplm.com; Internet: www.xplm.com