

PLM to ERP Integration

Eliminate redundant data entry.

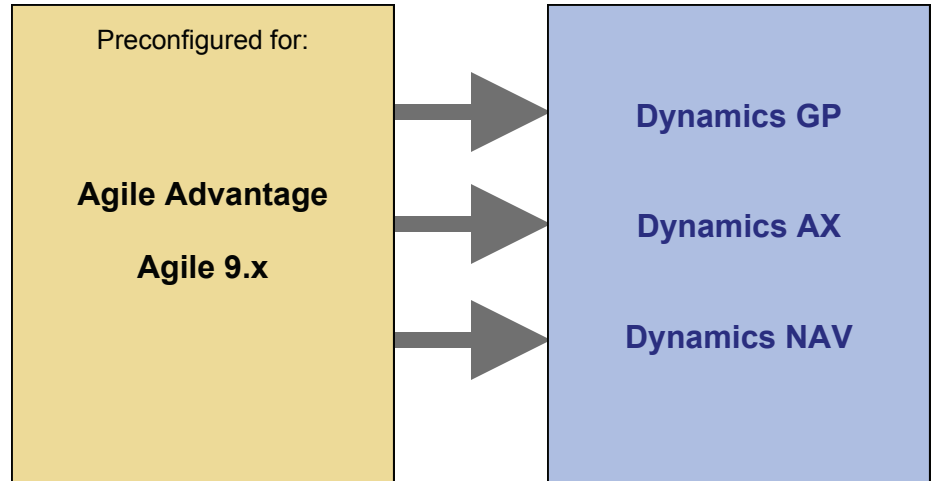
Make MRP more accurate, minimizing shortages and reducing cost.

Eliminate production delays and waste due to inaccurate or obsolete product structure information.

Keep key Dynamics users aware of part and product structure changes.

Can be configured and implemented in less than an hour with NO programming.

No custom code to support or worry about as you upgrade to a new Dynamics release or switch to a different PLM solution.



The Universal PLM Adapter is designed to integrate multiple PLM and CAD applications with Microsoft Dynamics GP, Microsoft Dynamics AX and Microsoft Dynamics NAV. The product allows users of virtually any PLM or CAD solution that can publish data in an XML format to update their ERP solution with part, bill of material, change order, and manufacturer part information (as supported by your Microsoft Dynamics system).

The Universal PLM Adapter is extremely flexible and extensible, making it the perfect integration solution for any environment. Fields in Dynamics are updated with information from your PLM solution along with default values for fields that you wish to initialize but do not originate from your PLM solution. The Universal PLM Adapter even supports user scripting in Visual BASIC.NET, so that the value of fields can be determined programmatically. This flexibility allows you to synchronize your database exactly as you wish, minimizing the need for manual “retouching” of your data. The Universal PLM Adapter can even support custom attributes added to the standard Dynamics tables as well as custom tables.

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Universal PLM Adapter

The screenshot shows the 'Universal Adapter Profile Utility' window with the 'Mapping' tab selected. The configuration is as follows:

Section	ITEM	<input checked="" type="checkbox"/> Required	
Table	PART	<input type="checkbox"/> Mapping Required	
Attribute	*Item Status (200)	<input checked="" type="checkbox"/> Updateable	
Index	200	Attribute Type	Integer
Name	Item Status	Length	0
Display Name	Item Status	Minimum	1
ERP DB Name	ITEMSTATUS_I	Maximum	6
Mapping Type	Child Node	<input type="checkbox"/> Zero/Blank Is Valid Value	
XML Path	./Revision/name-on-source[@title="Release Status"]	No Value	Skip Attribute
XML Attribute	value	String Too Long	Halt
Defaults Process	Global	Invalid Value	Halt
Global Default	1		

Buttons at the bottom: User Script, Translations, Update Field, Revert.

The Universal PLM Adapter Profile Utility is used to configure all aspects of your integration including mapping information, error conditions, user scripts, value translation, activity notifications, etc.

The screenshot shows the 'Universal PLM Adapter Inbox' window. The 'Adapter Status' is 'Ready' and 'Execution Mode' is 'One Time'. The status is 'Completed'. A table below shows the following data:

PLM Filename	File Creation Date	Change Order	Status
1item.txt	5/26/2006 9:13 AM		Completed

Buttons at the bottom: Delete All, Delete, Exit.

The "Inbox" is the user interface for the runtime module which actually performs database updates. The runtime module can be run on-demand, continuously or can be scheduled with Windows Task Scheduler.

Key Features

Enforces Microsoft Dynamics business rules.

Two pass logic ensures data integrity by validating entire dataset before updates begin.

Translation from PLM Values to Microsoft Dynamics values.

Flexible defaults for values not originating in the PLM Solution.

Scripting in VB.NET

Email notification of key users of Adapter operations.

Run on-demand, continuously or schedule with Windows Task Scheduler to run at specific times.

System Requirements

For Dynamics GP: Dynamics GP 8.0 or later

For Dynamics AX: Dynamics AX 3.0 or later, Axapta Business Connector; Only SQL Server implementations are supported

For Dynamics NAV: Dynamics NAV 4.0 or later, CFRONT; Only SQL Server implementations are supported

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