

xLM Newsletter



YOUR CHALLENGES | OUR SOLUTIONS

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About Us



Welcome to another issue of the *xLM Newsletter!* If you are unfamiliar with us, here is what **xLM Solutions** is, and what we can do for you.

The xLM team consists of experienced and exceptional software consulting and system integration professionals. We have extensive knowledge in Product, Data, and Information Lifecycle Management (PLM, DLM, ILM); information, Internet and Microsoft technologies; and other enterprise software solutions. Our clients span a wide variety of industries, all seeking solutions to a common challenge: to effectively and efficiently manage proprietary, classified or otherwise sensitive data. To address this challenge, we provide our clients with quality end-to-end Lifecycle Management services including requirement analysis, solution installation, configuration, customization, support, and maintenance.

We take pride in client attention and satisfaction. We listening carefully to ensure that your PLM and IT needs are properly met in a timely manner. It is our goal to provide you, our valuable customer, with quality tools, resources, and innovative solutions for successful information systems management. Call us and let us show you how our solutions can meet your needs and challenges!

Changes to the Newsletter

You may have noticed that the name of this newsletter has changed. Since the inaugural issue, the xLM Newsletter (formerly the xLM ENOVIA SmarTeam Newsletter) has been focusing primarily on ENOVIA SmarTeam. With our expanding PLM and collaboration services, it is only natural for the newsletter to broaden its coverage to better serve our increasingly diverse readers. Therefore, we are proud to announce that, beginning with this issue, we are expanding the newsletter to cover topics in a wide range of PLM/PDM systems and applications including the SolidWorks Enterprise PDM and Microsoft SharePoint technologies. We have also changed the name of this newsletter to better reflect the nature of

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its exciting new contents. We intend these changes to bring you interesting and informative facts and discussions on issues from a breadth of PLM and related information technologies. The changes also allow us to cover more fascinating topics that you, our loyal reader, will find interesting. To this end, we wish to hear from you. Please share with us your thoughts on the improved newsletter and any topic ideas that you would like to us to cover. We look forward to hearing from you!

What's New @ xLM

xLM Web Site, v2.0

We have out-grown our web site! While our original site was functional and informative, it had become clear that with the new and expanding services, product lines and solutions, xLM needed a new web presence—something that truly conveys who we are. After much planning and with feedback from our clients and site visitors, we have completely overhauled our web site to better deliver information and serve the PLM and IT communities. We are proud to announce that *www.xlmsolutions.com* v2.0 is now online! The new site is organized to facilitate communications with our clients and partners. On this site, you will find detailed information on our PLM and other products and solutions. You will also find descriptions of our services and on our custom, value-added integrations and solutions for your current PLM and collaboration systems. In addition, a comprehensive *Download* area is now available. In this area, you can access past conference presentations and newsletter issues. You may also download code and script examples to jump-start your custom projects. We invite you to visit the new and improved website at: <http://www.xlmsolutions.com>. After your visit, please drop us a line and tell us what you think.

COE 2010 Annual PLM Conference & TechniFair



XLM President Marc Young will be presenting a technical session at the **COE 2010 Annual PLM Conference & TechniFair** from April 18-21 in Las Vegas, NV. Marc is excited and looking forward to meeting and exchanging ideas with our

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clients and fellow COE members. Marc is presenting the technical breakout session:

When VB Scripts Are Not Enough: VB.NET Scripting for ENOVIA SmarTeam

Visual Basic (VB) scripts are commonly used to extend and customize SmarTeam. While adequate for crafting basic tasks, VB scripts support only a limited set of functionalities and external application interfaces. For advanced SmarTeam extensions, VB.NET (or any .NET language) scripting may be used to take advantage of the powerful Microsoft .NET Framework. This presentation introduces SmarTeam scripting using VB.NET and Visual Studio 2008 and will compare and discuss the advantages of VB.NET over traditional VB scripts in SmarTeam. The benefits and power of VB.NET in SmarTeam application development and debugging will be demonstrated.

SolidWorks World 2010

Early February, xLM associates Marc Young and Ilan Madjar attended SolidWorks World 2010 in Anaheim, CA. It was a great opportunity to network with our customers, partners, fellow SolidWorks users and SolidWorks employees. Marc presented the well-received session:

SolidWorks Enterprise PDM and Microsoft SharePoint Interoperability

Do you have SharePoint and EPDM in your corporation? Do you want to learn how to best utilize both systems? This presentation will discuss data management functionality in both EPDM and SharePoint and how these two technologies enhance each other.

Autodesk Developer Network

XLM is excited to announce that we are now a proud member of the Autodesk Developer Network (ADN). With the ADN membership, we have added a full line of services for Autodesk software systems and APIs. This allows us to provide full support to our existing and new clients with Autodesk products, and to

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develop custom add-ins, scripts, integrations, value-added applications and solutions for their Autodesk needs. Please contact us at info@xlm solutions.com for more information.

SmarTeam News

SmarTeam, artizone, V5 and ENOVIA V6



As you may have heard, there have been quite a few changes with Dassault Systems and its Israeli subsidiary that has been in charge of developing and maintaining the SmarTeam technology within ENOVIA. In short, Dassault has decided to consolidate all of its ENOVIA V6 development groups to two locations: one outside of Paris, France and the other outside of Boston, MA. Because the Israeli location is not part of the consolidated offices, it was decided that the Israeli group—which consisted of SmarTeam V5 professionals and senior management—would form a new company called *artizone*. This new company will serve two purposes: (i) to continue the SmarTeam product roadmap in development, support and maintenance of SmarTeam V5; and, (ii) to develop a new business line in the area of non-PLM-related online retail solutions. This is a highly favorable arrangement by Dassault and artizone as it allows Dassault to leverage all the SmarTeam products and expertise to develop solution for the future while supporting new customers as well as the current installed base of more than 8000 customers around the world. At the same time, the arrangement allows artizone to explore other areas of business interests. Dassault has put in place a long term contract with artizone governing the delivery dates, software quality and other measures to ensure that SmarTeam is maintained at the same quality going forward.



As you must aware by now, Dassault has released ENOVIA V6 as the next generation of PLM (Dassault is calling this *PLM 2.0*) solution. This solution is based on the MatrixOne backbone. ENOVIA V6 supports role-based collaborations from a wide variety of client interface applications. In addition, V6 is well-suited for the new *cloud computing* model. V6 is also intended to integrate the various Dassault brands into a single

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entity. Meanwhile, Dassault is also committed to continuing and maintaining the ENOVIA V5 product line such as SmarTeam. Dassault has announced that there will be no change in the V5 roadmap or support lifecycle, and has not indicated any plans for end-of-development, end-of-support or end-of-life dates for V5 or SmarTeam.

Dassault has always been highly committed to its legacy product lines—it had maintained its V4 solutions for ten years after the announcement of ENOVIA V5. At this point, customers should not feel pressured to migrate unless they intend to take advantage of the new features and technologies offered by V6, or are required to work with and produce CATIA V6 data.

Please feel free to contact us if you liked to learn more about ENOVIA V6 and/or the SmarTeam–artizone arrangement.

SmarTeam Releases V5R20

SmarTeam V5R20 has been released. Here is a highlight of the new features and functionalities offered in R20:

- New debugging tools for SmarTeam problem analyses and troubleshooting. The tools consist of a client side Diagnostic Agent and a server side Diagnostic Center
- Menu Editor improvement to save toolbar locations in the database
- WebEditor improvements – multiple file upload and thumbnail presentation
- Support of embedded icons in Look-up Tables (LUTs)
- Bill of Material improvements – additional BOM APIs with a better copy tool and mapping enhancements
- CATIA Integration improvements including Large Assembly management
- SolidWorks Integration improvements including light weight support, improvement to simple configurations support and enhanced Data Manager Tree (DMT)
- New Supply Chain Management functionalities that replace or supplement the SmarTeam Briefcase

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End-of-Service Dates*

Please note the following end-of-service dates for the respective SmarTeam version:

SmarTeam Version	End-of-Service Date
V5R14	January 8, 2007
V5R16	Dec 31, 2007
V5R17	Sept. 29, 2008
V5R18	Oct. 10, 2009
V5R19	(Tentative) Jun 03, 2011

After the end-of-service date, no more service packs, hot fixes or Dassault/SmarTeam support will be provided for the specific version. If your version of SmarTeam is reaching its end-of-service date, we strongly encourage you to begin developing an upgrade plan now to avoid disruptions later. If you have any questions, please contact us. We will be glad to provide further information and assist you in planning and deploying your SmarTeam upgrade.

Upcoming Releases and CAD Support

Solid Edge ST100 (V21)	32bit	R19SP5	2009	August
Solid Edge ST100 (V21)	64bit	R19SP5	2009	August
Autodesk Inventor 2009	64bit	R19SP4	2009	May
Autodesk AutoCAD 2009	64bit	R19SP5	2009	August
SolidWorks 2010	32bit	R19SP7	2010	February
		R20 GA	2010	February

* Information provided by Dassault Systèmes as of November 10, 2008 and is subject to change without prior notice.

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SolidWorks 2010	64bit	R19SP8	2010	May
		R20SP2	2010	April
Autodesk Inventor / AutoCAD 2010	32bit	R19SP6	2009	October
		R20GA	2010	February
Autodesk Inventor / AutoCAD 2010	64bit	R19SP7	2010	February
		R20SP1	2010	February
Solid Edge ST101 (V22)	32bi	R20SP1	2010	February
Solid Edge ST101 (V22)	64bit	R20SP2	2010	April

SolidWorks EPDM

SolidWorks EPDM 2010 Features

The following is a highlight of the new features in EPDM 2010

- Managing Tasks—improved control on how tasks are executed and automated
- Enhanced integration with SolidWorks Toolbox
- Copy tree can now name new files based on serial numbers
- Re-name and re-order columns in the EPDM add-in in SolidWorks
- Increased item and BOM functionality
- Central assignment for permissions
- Enhanced API support for items, users and groups

Upcoming Releases and CAD Support

CAD Vendor - Version	CAD Vendor	Enterprise 2008		Enterprise 2009		Enterprise 2010	
		File Support	Add-In Support	File Support	Add-In Support	File Support	Add-In Support
SolidWorks 2006	Sep-05	Yes	Yes	Yes	No	Yes	No
SolidWorks 2007	Sep-06	Yes	Yes	Yes	Yes	Yes	No
SolidWorks 2008	Sep-07	Yes	Yes	Yes	Yes	Yes	Yes
SolidWorks 2009	Sep-08	No	No	Yes	Yes	Yes	Yes
SolidWorks 2010	Sep-09	No	No	No	No	Yes	Yes
PTC Pro/ENGINEER 2001	Jun-04	Yes (x32)	Yes (x32)	Yes (x32)	Yes (x32)	No	No

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PTC Pro/ENGINEER Wildfire	Jun-05	Yes (x32)	Yes (x32)	Yes (x32)	Yes (x32)	No	No
PTC Pro/ENGINEER Wildfire 2.0	Jun-06	Yes (x32)	Yes (x32)	Yes (x32)	Yes (x32)	No	No
PTC Pro/ENGINEER Wildfire 3.0	Jun-07	Yes (x32)	Yes (x32)	Yes (x32)	Yes (x32)	Yes (x32)	Yes (x32)
PTC Pro/ENGINEER Wildfire 4.0	Jun-08	Yes (x32)	Yes (x32)	Yes (x32)	Yes (x32)	Yes (x32)	Yes (x32)
PTC Pro/ENGINEER Wildfire 5.0	Jun-09	No	No	No	No	2010 SP2 (x32)	2010 SP2 (x32)
AutoCAD 2006	Mar-05	Yes	Yes (x32)	Yes	No	Yes	No
AutoCAD 2007	Mar-06	Yes	Yes (x32)	Yes	Yes (x32)	Yes	Yes (x32)
AutoCAD 2008	Mar-07	Yes	Yes (x32)	Yes	Yes (x32)	Yes	Yes (x32)
AutoCAD 2009	Mar-08	No	No	Yes	Yes (x32)	Yes	Yes (x32)
AutoCAD 2010	Mar-09	No	No	No	No	2010 SP2	2010 SP2 (x32)
Autodesk Inventor R10	Apr-05	Yes	Yes	Yes	Yes	Yes	Yes
Autodesk Inventor R11	Apr-06	Yes	Yes	Yes	Yes	Yes	Yes
Autodesk Inventor 2008	Apr-07	Yes	Yes	Yes	Yes	Yes	Yes
Autodesk Inventor 2009	Apr-08	No	No	Yes	Yes	Yes	Yes
Autodesk Inventor 2010	Mar-09	No	No	No	No	2010 SP1	2010 SP1
Solid Edge V18	Sep-05	Yes (x32)	No	Yes (x32)	No	Yes (x32)	No
Solid Edge V19	Jun-06	Yes (x32)	No	Yes (x32)	No	Yes (x32)	No
Solid Edge V20	Aug-07	Yes (x32)	No	Yes (x32)	No	Yes (x32)	No
Solid Edge with Synchronous Technology (V21)	May-08	No	No	Yes (x32)	No	Yes (x32)	No
Solid Edge with Synchronous Technology 2 (V22)	May-09	No	No	No	No	2010 SP2 (x32)	No

(x32) indicates support on 32-bit OS only

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Notes:

1. File Support refers to the ability to drag and drop or save files into the Vault and for SolidWorks Enterprise PDM to understand the relationships between parts, drawings and assemblies, manage properties and preview the CAD files.
2. Add-In Support refers to the ability to execute SolidWorks Enterprise PDM commands from within the CAD application through a toolbar, pull down menu or other task pane.
3. SolidWorks add-in is officially supported and tested with matching SolidWorks version and up to two earlier versions.
4. AutoCAD add-in only supported on AutoCAD 32-bit edition. DWG file format supported on both 32 and 64-bit OS.
5. Pro/Engineer support requires full Pro/E application installed currently and only supported on 32-bit XP OS.
6. SolidEdge support requires full SolidEdge application installed and only supported on 32-bit OS.
7. The CAD Vendor release dates are approximate and provided for reference only.
8. Support for Inventor 2010 introduced in Enterprise 2010 SP1. SolidEdge V22, Pro/E WF5, AutoCAD DWG 2010 introduced in 2010 SP2.

End-of-Service Dates

SolidWorks is committed to supporting two previous versions of its products in addition to the current release. Currently, SolidWorks is supporting SolidWorks EPDM 2010 as well as EPDM 2008 and 2009.

Microsoft SharePoint 2010

Microsoft has announced that SharePoint 2010 will be released on May 12, 2010. In a typical Microsoft fashion, SharePoint 2010 is offered in multiple favors. To help you select, we have provided a brief breakdown of the various SharePoint 2010 versions below. We have also included a few steps that you can take now to prepare for an upgrade.

SharePoint 2010 Editions

1. *SharePoint Foundation 2010*. This is the basic SharePoint, formerly known as the Windows SharePoint Services. Note that this basic version now requires

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- Windows Server 2008 64-bit with SP2 or later, or Windows Server 2008 R2 64-bit.
2. *SharePoint Server 2010*. This version adds collaboration features to the Foundation server that supports accesses to data repositories outside of SharePoint. This version also provides enhanced management features and supports more users.
 3. *FAST Search Server 2010 for SharePoint*. This edition combines SharePoint Server 2010 with the advanced search technology from FAST Technologies. This server offers contextual search (e.g., recognizing departments or geographies), the ability to tag metadata to unstructured content, and improved scalability.
 4. *SharePoint Server 2010 for Internet Sites, Standard Edition*. This server caters to SMBs who are looking to create Internet and/or intranet sites using the standard features of SharePoint Server 2010. This version is suitable for companies who wish to host the server on premises.
 5. *SharePoint Server 2010 for Internet Sites, Enterprise Edition*. This is a more scalable version of the Standard Edition, with additional management functions.
 6. *FAST Search Server 2010 for Internet Business*. This version combines the FAST search engine with the SharePoint 2010 for Internet Sites, Enterprise. Microsoft is also planning to offer more economical options for the enterprise to use **Search Server 2010** and **Search Server Express 2010**.
 7. *SharePoint Online*. A cloud version of SharePoint.
 8. *SharePoint Online for Internet Sites*. The other cloud version of SharePoint. This product will come under the software-plus-service model that allows companies to host some of its SharePoint sites on premises, with some sites available via the cloud. Microsoft will also offer a fully hosted option.

Microsoft is offering two client access license (CAL) models for SharePoint 2010: the *standard CAL* is the basic, while the *enterprise CAL* adds analytics, hooks into Web services as well as other Microsoft office applications and clients.

Preparing for a Successful SharePoint 2010 Upgrade

There are two steps that you must take to prepare for your SharePoint 2010 upgrade:

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1. *Hardware.* Make sure you have 64-bit hardware, sufficient memory, and satisfy all other hardware requirements. SharePoint 2010 requires 64-bit versions of Windows Server 2008 (with SP2 or R2). The backend SQL Server must also be in 64-bit mode. Additionally, if you have a virtual environment, SharePoint 2010 development and production environments will require 64-bit virtual machines. In Microsoft terms, this will require Windows Server 2008 Hyper V.
2. *Update your current SharePoint installation to Service Pack 2 or later.* This is required to run the pre-upgrade check operation, `PreUpgradeCheck`, with the `stsadm.exe` tool.

The following additional steps are also recommended for preparing a SharePoint 2010 upgrade:

1. *Cleanup, streamline, and optimize your current SharePoint infrastructure.*
2. *Image and backup your current SP2 environment.*
3. *Construct a test environment with your backup image.* Perform the `PreUpgradeCheck` operation in the test environment.

You may also wish to consider upgrading to Office 2010, which provides a rich integration with SharePoint 2010.

Feedback & Contact Us

We'd love to hear from you! Please send us your thoughts on this newsletter and future topic ideas that you would like us to cover. Also, send us your interesting SmarTeam, SolidWorks EPDM, Autodesk and SharePoint experiences and we will share your story with our readers!

xLM is a consulting company with extensive experiences in delivering innovative solutions and customizations to solve difficult PLM and IT challenges. It is our goal to assist you with your SmarTeam, SolidWorks EPDM, Autodesk, and SharePoint implementation and to partner with you in developing and deploying the best PLM and collaboration solutions for your environment. Contact us and let us show you how we can meet ***your challenges*** with ***our solutions***, and make things simpler and better for you.

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