V5 Client Hardware & Software Requirements

This document is provided as a guideline regarding hardware configurations, operating systems and operating system patches recommended for the use with this Version 5-6 Release 2016 on client side. This information applies to the following products:

- CATIA
- ENOVIA DMU
- ENOVIA 3d com (client side only)
- ENOVIA V5 VPM (client side only)
- DELMIA Process Detailing & Validation (PLM V5) and Automation
- CAA-RADE (generic requirements); for detailed information, please read the dedicated page

To access the page for Server side, click here.

All Windows Platforms	This section contains information common to all Windows operating systems	click here
Microsoft Windows 64-bit	- Windows 7 Enterprise Edition/Professional Edition x64 SP1 - 64-bit Windows 8.1 Desktop Enterprise Edition/Pro Edition RTM	click here click here
IBM AIX	- AIX 7.1	click here

Important notice for Operating Systems support

Version 5-6 Release 2012 is the last V5 release to be supported on :

- Windows XP 32-bit.
- Windows XP 64-bit.
- Windows Vista 32-bit.
- Windows Vista 64-bit.

Version 5-6 Release 2013 is the last V5 release to deliver 32-bit V5 Java code for ENOVIA V5 VPM Client. Only 64-bit V5 Java code will be delivered in next V5 release for ENOVIA V5 VPM Client.

- Version 5-6 Release 2015 is the last V5 release to deliver 32-bit V5 code for V5 Client. Only 64-bit V5 code will be delivered in next V5 release for V5 Client.
- V5 will not be supported with other Mortice Kern Software MKS Toolkit for Developers versions than Mortice Kern Software MKS Toolkit for Developers 9.4.
- V5-6R2015 is the last V5 Release to be supported with MKS

Microsoft Windows

		Operating System	Windows 7 Enterprise Edition/Professional Edition x64 (without WOW64 support)	64-bit Windows 8.1 Desktop Enterprise Edition/Pro Edition (without WOW64 support)
	Recommended patches		See Windows 7 64-bit section	See Windows 8.1 64-bit section
	Browsers For ENOVIA 3d com and V5 VPM products:	Microsoft Internet Explorer 11 (*) and Oracle Java plug-in version 8 update 51 - 32-bit	✔	✘

Runtime Prerequisites	(see Notes about Browsers);			
	.NET Runtime Environment For V5 VPM products	Microsoft .NET Framework 3.5 SP1 and 4.5.2 Redistributable Package	✔	✔
	Java Runtime Environment For ENOVIA VPLM Web Navigator (see Notes about Java)	Oracle Java Runtime Environment 8 update 51	✔	✔
	Collaboration	Lotus Instant Messaging 8.5 SDK	✔	✘
Additional Software Requirements for CAA-RADE products	IDE and Compiler Requirements (CRT and MFC Redistributables are delivered with V5 media and should be installed on targeted host)	Microsoft Visual Studio 2012 Update 4 including C/C++ compilers, **with following patches:** ◆ KB2929731 ◆ KB2957527 ◆ KB2969618	✔	✔

(*) For Internet Explorer, in the Advanced Internet Options, the option to "Enable Enhanced Protected Mode" must be disabled (this option is disabled by default).

Certified configurations

Dassault Systemes Native Apps are supported on Certified and Derived Configurations documented at URL: http://www.3ds.com/support/hardware-certification/windows-certified-workstations/.

The documented drivers may offer a CATIA, DELMIA, ENOVIA DMU, ENOVIA 3d Com Classic, ENOVIA 3d Com modular, ENOVIA VPM Product Editor, ENOVIA VPM Navigator applications setting (see Control Panel, Display Properties tabs), which should be selected when available, as they may contain application specific features.

In addition, a 32-bit color depth is required (Native OS Client is not supported with 16-bit color depth).

File Systems for installation

File system of the installation directory must be NTFS on Windows Operating systems

Notes about browsers

ENOVIA 3d com is supported with Internet Explorer as the embedded browser.

A 32-bit Java Plug-In is required for ENOVIA 3d com and V5 VPM products The Java Update is the minimum required level. V5 is also supported with higher Update level.

Notes about Java

ENOVIA VPLM Web Navigator products require Java Runtime Environment. The Java Update is the minimum required level. V5 is also supported with higher Update level.

Notes on Collaboration

Note regarding Lotus Instant Messaging : On 64-bit Windows, if Lotus Instant Messaging is to be used, the 32-bit version of Oracle JRE is needed. If the Credentials Manager is to be used, both 32-bit and 64-bit versions of the Oracle JRE must be installed on the machine. During client installation, the path of the 64-bit version must be typed. The Collaboration-specific set up instructions must be followed to give the path of the 32-bit JRE for Collaboration.

Windows 7 x64 Enterprise and Professional Edition

Windows 7 64-bit SP1 Patches

If you experience V5 Rich client crashes, which can be identified as access violation in glu32.dll, you might consider applying the following Microsoft patch:

Patch	Description
KB2466493	When you run an application that uses OpenGL on a computer that is running Windows 7, an access violation occurs in glu32.dll, and the application crashes. This issue occurs because an index that is not in the boundary is used: http://support.microsoft.com/kb/2466493

If you have OpenGL renderer still displayed when minimizing the associated popup window, you might consider applying the following Microsoft patch:

Patch	Description
KB2685889	OpenGL rendered content is still displayed after you minimize a modeless dialog box in Windows 7 or in Windows Server 2008 R2: http://support.microsoft.com/kb/2685889

Additional Considerations

IPv6 inactivation

IPv6 is installed and activated by default whereas a dual IPv4/IPv6 layer is provided. V5 Client/Server communication does not support IPv6, it is thus recommended to inactivate IPv6 to go back to IPv4
To inactivate IPv6 please refers to the following Microsoft Technet article:
http://technet.microsoft.com/en-us/network/cc987595.aspx
Sections :
To Uninstall IPv6 Using the Network Connections Folder
Or
To Uninstall IPv6 from a Computer from the Command Prompt
Note that this operation requires Administrative credentials

Windows XP mode on Windows 7

No support is provided on "Windows XP mode on Windows 7"

surrogate pairs

Native OS Client is not supported with surrogate pairs on Windows 7

custom locales

Native OS Client is not supported with custom locales on Windows 7

64-bit Windows 8.1 Desktop Enterprise and Pro Edition

- ### surrogate pair

Native OS Client is not supported with surrogate pairs on Windows 8.1

custom locales

Native OS Client is not supported with custom locales on Windows 8.1

IBM AIX

> **Note**
>
> - Starting with Version 5 Release 21, V5 is only supported on AIX servers.
> - V5-6R2013 is the last V5 Release to be supported on AIX 6.1

Operating System

AIX 7.1 Technical Level 02 SP3 (using 64-bit kernel) with

- XL C/C++ V12.1 Run-time Environment Fix Pack 3 (September 2013 PTF)
- XL Fortran V14.1 Run-time Environment Fix Pack 5 (September 2013 PTF)

Note that AIX 7.1 TLx with x>2 (with XL C/C++ and XL Fortran Run-time Environments at least at the minimum level documented above) can be considered as a Compatible Platform.

A Compatible Platform is a Platform for which Dassault Systèmes has not performed any automated and/or manual test cases at any level. However, relying upon Platform vendor compatibility rules or support policy, there is no known technical reason why Dassault Systèmes software products will not run on a Compatible Platform Configuration.

How Dassault Systèmes software products are supported on Compatible Platform? Dassault Systèmes software products are supported in accordance with Dassault Systèmes support services policies detailed at www.3ds.com/terms/support-policies provided that all Services Requests can be reproduced and addressed by Dassault Systèmes on AIX 7.1 Technical Level 02 SP3. For Compatible Platforms, there will be no lab machine at Dassault Systèmes configured and capable of running Dassault Systèmes software product enabling Dassault Systèmes to address a Dassault Systèmes software product Service Request specific to the Platform.

Additional Software Requirements

For CAA-RADE products:
XL C/C++ Enterprise Edition V12.1 for AIX with February 2015 PTF for XL C/C++ for AIX, V12.1.

Modify the ulimit Data Setting for Loading Large Data

The default AIX `ulimit` value of 131072 is only about 100MB, which is too low for 64-bit V5. Make sure you set the `ulimit` value to an high value using the `ulimit -d unlimited` command, for example, to be able to open large data.

Certified Configurations

Version 5-6 Release 2016 is only supported on the AIX servers certified configurations available at :

http://www.3ds.com/support/hardware-certification/unix-certification-hardware.