DS DASSAULT SYSTEMES

Licensed Program Specifications

Intercim Pertinence® Suite Powered by Velocity® Version 2010.2

The DS Intercim Pertinence suite delivers comprehensive solutions for Manufacturing Execution and Manufacturing Intelligence. In addition this suite provides companies utilizing the V5 DELMIA® – ENOVIA® Manufacturing Hub or the DS V6 environment with the means to deliver manufacturing process plans and work instructions to the shop floor via the Intercim Pertinence MES system.

Server Side Applications

(ICVEL) Intercim Velocity Core

(ICDPI) Intercim Digital Process Integrator

(ICPRD) Intercim Process Rules Discovery

Server Side Application Modules Available via Client Side Web Browser

(ICPP) Intercim Order Planning

(ICPE) Intercim Process Execution

(ICOA) Intercim Operations Advisor

(ICEPM) Intercim Emergent Process Management

(ICPT) Intercim Performance Tracker

(ICDPVL) Intercim Digital Work Instruction Player Lite

(ICDPVV) Intercim Digital Work Instruction Player Visual

(ICDPVI) Intercim Digital Work Instruction Player Interactive

(ICSFP) Intercim Shop Floor Portal

(ICULC)Intercim Production Unit Live Collaboration

Testing License (server)

(ICVEL-D) Intercim Velocity Core

(ICDPI-D) Intercim Digital Process Integrator

System Requirements

Database Requirements

Pertinence Suite Server Products supports both Oracle and Microsoft SQL Server Databases.

Supported Database Requirements	
Oracle	Oracle version 11.2.0.1 Patch 7 installed on the database server and 32-bit Oracle client version 11.2.0.1 with 32-bit ODAC 11.2.0.1.2 installed on each application/web server. Earlier database versions, including Oracle 10.x, 9.x, 8.x, and 7.x are no longer supported database server types. Oracle has been tested and certified using the character set WE8MSWIN1252 (MS Windows Code Page 1252 8-bit West European) and the national character set AL16UTF16 (Unicode 4.0 UTF-16 Universal character set).
Microsoft SQL Server	SQL Server 2008 R2 installed on the database server and a corresponding SQL client installed on each application/web server.

The reporting feature of the Performance Tracker component of Pertinence Suite is only supported with the Microsoft SQL Server database server option. If your site will be using Oracle, you will need to also install Microsoft SQL Server.

Hardware Requirements

Clients can access Pertinence Suite through the IE7 or IE8 (Compatibility View only)[1] web browser on any machine in the network. The application/web server is assumed to be the same server by default; however they can be installed separately to support a web

farm implementation. You may also need separate database or monitoring servers depending on the platform, database, and number of users.

The following chart shows minimum hardware and disk space requirements for a v2010.2 system on a Windows platform.

Hardware Requirements				
Workstation Type	**CPU**	**RAM**	**External Storage**	**Monitor**
Client Workstations	2.0 GHz	1 GB	No specific requirement	1024x768 VGA or better[2]
Pertinence Suite Application/Web Server	2.8 GHz (dual)[3]	4 GB	4-36 GB drives are recommended for the application server.	VGA
Database Server	See Database Vendor requirements	See Database Vendor requirements	See Database Vendor requirements	Per database requirements

[1] IE8 will be forced into Compatibility View on client machines by a web.config setting. This setting is added automatically during a new installation but must be added manually during migration from 2009.2 to 2010.2.

[2] In the event that the area of the Operations Management screen exceeds that of the monitor set at 1024 X 768 or better, you must use the F11 key to maximize the window when working in that area. This is known to be possible in the Execution or Process Planning modules if all of the available tiles are displayed.

[3] As is typical with most software applications, the number of users will have an impact on performance. Choosing to specify higher CPU power and RAM than this requirement for the servers will improve performance.

Software Requirements

Pertinence Suite Server Products have been tested with and are supported on the following installed software:

Operating System / Software Requirements

Workstation	Operating System	Internet Explorer	Windows Options	Additional Requirements
Pertinence Suite Application/Web Server	Windows Server 2008 32-bit US-English[1] or Windows Server 2008 64-bit US-English[2]	7.0 or 8.0	IIS	DB Client, MSXML 4.0 SP2, Mdac 2.8 SP2, MS .NET Framework 1.1 and 3.5 SP1, Crystal Reports 10.5 Redistributables[3]
Pertinence Suite Client Workstation	Windows XP SP2, Windows Vista, Windows 7, or Windows XP Tablet PC Edition (Version 2002 SP2)	7.0 or 8.0		Font setting at Normal (96 dpi)

[1] Pertinence Suite 2010.2 was certified using Windows Server 2008, Enterprise Edition. Enterprise Edition is the preferred server software, as it allows the greatest flexibility for adding servers to scale your system instead of repeatedly upgrading the hardware on a single server.

[2] Pertinence Suite 2010.2 itself is only available as a 32-bit application.

[3] If MS .NET Framework 3.5 SP1 or Crystal Reports 10.5 Redistributables are not already installed on your server, they will be installed as part of the Pertinence Suite Server Products installation. MS .NET Framework 1.1 is included in Windows Server 2008.

If you intend to install IIS and the Microsoft .NET Framework 3.5 SP1 on your machine, please note the following:

- You must install IIS first and then the .NET framework. *If you installed the .NET framework first and then IIS, you must run the following command:*

  aspnet_regiis.exe -i

  The aspnet_regiis utility is located in the Framework ASP.Net installation folder, e.g.: WINDOWS/Microsoft.NET/Framework/v2.0.50727

- You can use the redistributed version 3.5 SP1 of the .NET Framework located in the \Pertinence Suite Server

Products\SupportPackages\MS.NetFramework3.5SP1 folder of the Pertinence Suite CD-ROM.

Note - Check that ASP.NET is enabled.

1. Open Add/Remove Programs in the Control Panel.
2. Click Add/Remove Windows Components.
3. Select Application Server.
4. Click the Details button. Verify that the ASP.NET checkbox is selected.

Supported Viewers for Interactive Model Feature

Pertinence Suite Server Products have been tested with and support the following 3D model viewers:

Supported Viewers	
Digital Process Viewer (DPV) Supported 3D viewers	**Certified viewer version**
3DVIA® Composer Player[1]	V6R2011 32-bit
DELMIA Live Shop Floor	V6R2011 32-bit
Right Hemisphere	5.6.0.3440
Adobe Reader	8.1.2
Production Unit Live Collaboration (ULC) Supported 3D viewers	**Certified viewer version**
3DLive	V6R2011 32-bit

[1] 3DVIA Composer Player can be downloaded freely from the following Web page: http://www.3ds.com/products/3dvia/3dvia-composer/resource-center/. Make sure the version available for download is the version supported by the Pertinence Suite.

Web Standards

Pertinence Suite Server Products conform to the following web standards directly or else through middleware (unless otherwise noted):

Web Standards Compliance	
Web standard	**Compliance**
Extensible Markup Language (XML)	Used as part of SOA interface.
Simple Object Access Protocol	SOAP v.1.1, 1.2

(SOAP)	
Universal Description, Discovery and Integration (UDDI)	Pertinence Suite's web service can be registered in an existing UDDI.
Web Services Description Language (WSDL)	WSDL v.1.1
Web Services Security Core (WSS_Core) Web Services for Remote Portals (WSRP) Java Specification Request (JSR) Web Distributed Authoring and Versioning (WebDav)	Pertinence Suite supports these standards when configured with middleware, such as BizTalk, our preferred technology partner.

Licensed Program Materials Availability

- Restricted materials - No. This licensed program is available without source licensed program materials. It is available in object code only.

Supplemental Terms

Type/Duration of Program Services (also referred to as "Support Services")

You will find all necessary information including processes, on Dassault Systemes website :

http://www.3ds.com/terms/support-policies

The License Management Model

The Intercim Pertinence Suite utilizes a proprietary license manager that is included on the software media.

Server licenses
Server side applications require a single license for each server where the application is installed.

Concurrent Based (Floating) licenses
Access to Server Side Application Modules is controlled via Concurrent Based (Floating) licenses. Users access the Server Side Application from a client based Internet Explorer Web Browser session. The number of concurrent IE sessions that can be active on the Server Side Application is managed to be equal to the number of Concurrent Based (Floating) licenses that have been purchased. Once a session has been granted by the Server Side Application, the session has access to any of the Server Side Application Modules that have been purchased.

Testing licenses
For the purpose of testing enhancements and customizations prior to production implementation, Intercim provides two server based products

The testing license products provide the same capability as the corresponding production counterparts. They are available for non-production, testing environments on the customer site. An Evaluation License Agreement must be signed for the testing license products.

Separately Licensed Code
Intercim Pertinence Suite contains the following package: iepngfix.HTC

which is Separately Licensed Code, and licensed under the terms of the GNU Lesser General Public License set forth below:

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Version 2.1, February 1999

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Designated Machine Identification

No

Test Period

No

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April 2011