Windchill 10.0 Software Matrices

Revision 3.0
Released 4 October 2011

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Introduction

This matrix represents the combinations of platforms, operating systems, and third party products that have been tested and verified by PTC. These recommended product combinations are based on compatibility, testing, performance, and reliability. Other software combinations not shown here may perform properly, but are not qualified through PTC's testing and validation process.

This matrix is a combined matrix for all 10.0 Windchill solutions with the following exceptions. The CAD Integrations information is contained in the Windchill CAD Integrations and Creo View Adapters Software Matrix. Some options are not available with the initial release of Windchill 10.0. For future support plans, please refer to the PTC product calendar at this URL: http://www.ptc.com/cs/doc/pds_calendar.pdf.

Definitions

Products identified as bundled are included with the Windchill solution that you have purchased. Products that are not bundled are either a separately priced optional add-on or products that you would acquire from a company other than PTC.

Post-FCS Testing and Support Plans

Some products will be verified after the initial release (FCS) of Windchill 10.0 solutions. These products may be listed in the matrix in gray italics to provide you with information that can be used for planning purposes. Actual version numbers and target maintenance releases may change prior to PTC supporting the combination. Planned future platform support can be found on the Windchill Future Support Summary matrix at this URL: http://www.ptc.com/view?im_dbkey=69784.

For information on when Windchill 10.0 maintenance releases will be available, see the PTC product calendar at this URL: http://www.ptc.com/cs/doc/pds_calendar.pdf

Windchill CAD Integrations and Visualization

For information on Pro/ENGINEER, download the **Pro/ENGINEER Compatibility Matrix** at this URL: http://www.ptc.com/view?im_dbkey=58030

For information on CAD Integrations download the **Windchill CAD Integrations Matrix** at this URL: http://www.ptc.com/view?im_dbkey=121121

For information on Creo View Client and Adapter product platform support (both MCAD & ECAD) and their compatibility with Windchill, please refer to the URLs in the following table:

Clients:	**Creo View Clients and Toolkit Software Matrix** at this URL: http://www.ptc.com/view?im_dbkey=132314
Adapters:	**Creo View Adapters Software Matrix** at this URL: http://www.ptc.com/view?im_dbkey=132313

Pro/INTRALINK 3.x Data Migration

In Release 10.0, PTC is providing capabilities for customers to migrate from Pro/INTRALINK 3.4 into either Pro/INTRALINK 10.0 or Windchill PDMLink 10.0.
For information on the Pro/INTRALINK Data Migrator, see the **Pro/INTRALINK Data Migrator Compatibility Matrix** at this URL: http://www.ptc.com/view?im_dbkey=58010.

Pro/INTRALINK 10.0

For Pro/INTRALINK 10.0, PTC offers a bundled Oracle database that can be installed using its PTC Solution Installer. See the Database section below for the platforms supported.

Arbortext Integration

Arbortext integration is not supported with Pro/INTRALINK 10.0.

For information on Arbortext, please refer to the **Arbortext Software Compatibility Matrices** at this URL: http://www.ptc.com/view?im_dbkey=83390.

Development Systems Support

The following are the OS platforms supported for Windchill Development. Note that not all development systems are supported as server platforms in an enterprise deployment. PTC strongly recommends that customers use the same platform for their test and production environments.

- Windows 2003 Server, 32- and 64-bit (except Itanium)
- Windows 2008 Server, 64-bit
- Windows 2008 R2 Server, 64-bit
- Windows XP 32-bit
- Windows Vista 32-bit
- Windows 7
- Solaris 10 (SPARC & x64)
- HPUX 11i V3 (Itanium)
- Red Hat Enterprise Linux 5 (64-bit)
- Red Hat Enterprise Linux 6 (64-bit)
- AIX 6.1
- AIX 7.1

Internet Protocols

Windchill supports both IPv4 and IPv6, though there are caveats to the IPv6 support. Some 3rd party applications do not yet support IPv6. Therefore, IPv6 support is currently limited to the communication between the Windchill client and the Windchill Server. Sites implementing IPv6 must have a dual-stack Windchill Server (IPv4/IPv6). Please see the Windchill Advanced Installation and Configuration Guide for more information.

Virtual Systems

Windchill running on virtual systems is supported. Specifically tested are VMWare images of Windows, RedHat Enterprise Linux and Solaris X64; Zones image of Solaris 10; and LPAR images of AIX 6.1 and AIX 7.1.

Upgrade Support

Customers upgrading to Windchill 10.0 from Windchill 8.0 must continue to use Aphelion during the upgrade process. Once the upgrade is complete, then the upgrade to Windchill Directory Server must be done.

Java Server Side Support

This table describes the Java versions which are supported for use with the Windchill server. Java is a required component for the Windchill server.

Windchill 10.0	Bundled	Dependent Product	Windows 2003 Server (64-bit) (SP1 or higher)	Windows 2008 Server (64-bit)	Windows 2008 R2 Server (64-bit)	Solaris 10 (SPARC & x64)	HP-UX 11i V3 (Itanium)	AIX 6.1 (SP1 or higher)/AIX 7.1	Red Hat Enterprise Linux 5/6 (64-bit AP or Server)
Java Software Developer Kit (SDK) (1) (2) – server side only	Yes		1.6.0_26 (3) from Oracle/Sun Microsystems	1.6.0_26 (3) from Oracle/Sun Microsystems	1.6.0_26 (3) from Oracle/Sun Microsystems	1.6.0_26 (3) from Oracle/Sun Microsystems	6.0.10 from HP	V6 SR 9 Fix 1 from IBM	1.6.0_26 (3) from Oracle/Sun Microsystems

Notes:

1) SDK versions shown are the SDK versions that were tested. Higher versions in the 1.6.0_xx series are also expected to work.

2) 64-bit capable platforms can run Windchill on a 64-bit JVM. The 64-bit JVM is required on Windows Servers and used by default on the other platforms.

3) SDK version bundled and supported with 10.0 M020. See Revision History for past versions shipped and supported.

Web Servers and Servlet Engines

This table describes the Web server and servlet engine combinations that are supported for 10.0 Windchill solutions. All Web server and servlet engines are supported with both the HTTPS and HTTP protocols. A web server/servlet engine combination, or a web server/application server combination, is a required component.

Windchill 10.0	Bundled	Dependent Product	Windows 2003 Server (64-bit) (SP1 or higher)	Windows 2008 Server (64-bit)	Windows 2008 R2 Server (64-bit)	Solaris 10 (SPARC & x64)	HP-UX 11i V3 (Itanium)	AIX 6.1 (SP1 or higher)/ AIX 7.1	Red Hat Enterprise Linux 5/6 (64-bit AP or Server)
Web Server/ Servlet Engine Software			**Server**	**Server**	**Server**	**Server**	**Server**	**Server**	**Server**
Apache Web Server with embedded Tomcat Servlet engine	Yes		Apache 2.2.19 (5) or higher within the Apache 2.2.x series with Tomcat 6.0.32	Apache 2.2.19 (5) or higher within the Apache 2.2.x series with Tomcat 6.0.32	Apache 2.2.19 (5) or higher within the Apache 2.2.x series with Tomcat 6.0.32	Apache 2.2.19 (5) or higher within the Apache 2.2.x series with Tomcat 6.0.32	Apache 2.2.15 or higher within the Apache 2.2.x series with Tomcat 6.0.32	Apache 2.2.19 (5) or higher within the Apache 2.2.x series with Tomcat 6.0.32	Apache 2.2.19 (5) or higher within the Apache 2.2.x series with Tomcat 6.0.32
Sun Java System Web Server(1)	No		N/A	N/A	N/A	Sun Java System Web Server 7.0 Update 8 (3)	N/A	N/A	N/A
Microsoft Internet Information Server (IIS) with embedded Tomcat Servlet Engine (2)	No		IIS 6.0 with Tomcat 6.0.32 (3)	IIS 7.0 with Tomcat 6.0.32 (3)	IIS 7.5 with Tomcat 6.0.32 (3)	N/A	N/A	N/A	N/A
HTTPServer	No		N/A	N/A		N/A	N/A	HTTPServer 7.0(3)(4)	N/A

Notes:

1) PTC Windchill bundles Windchill Directory Server that will meet Sun Java Enterprise System's LDAP requirement.

2) Microsoft's Internet Information Server (IIS) does not have a direct link to standard LDAP servers. If you want to use a directory service with IIS, you should use Microsoft's Active Directory.

3) Remote File Server is only supported with Apache/Tomcat.

4) 32-bit version required if using Cognos 8.4.1.

5) Apache 2.2.19 on Windows, Solaris, AIX and Linux supported as of M020. See Revision History for previous versions supported.

Database

This table describes the database versions and editions that are supported for 10.0 Windchill solutions.   The database is a required component.

Oracle 11g:

Database	Bundled	Dependent Product	Windows 2003 Server (64-bit) (SP1 or higher)(3)	Windows 2008 Server (64-bit)	Windows 2008 R2 Server (64-bit)	Solaris 10 (SPARC & x64)	HP-UX 11i V3 (Itanium)	AIX 6.1 (SP1 or higher)/ AIX 7.1	Linux (4)
Oracle11gR2 Enterprise Edition (1)(8)	Bundled only with Pro/INTRALINK 10.0 (9)		11.2.0.2 or higher patchsets in the 11.2.0.x series	11.2.0.2 or higher patchsets in the 11.2.0.x series	11.2.0.2 or higher patchsets in the 11.2.0.x series	11.2.0.2 or higher patchsets in the 11.2.0.x series	11.2.0.2 or higher patchsets in the 11.2.0.x series	11.2.0.2 or higher patchsets in the 11.2.0.x series	11.2.0.2 or higher patchsets in the 11.2.0.x series
Oracle11gR2 Standard Edition (1)(2)(8)	No		11.2.0.2 or higher patchsets in the 11.2.0.x series	11.2.0.2 or higher patchsets in the 11.2.0.x series	11.2.0.2 or higher patchsets in the 11.2.0.x series	11.2.0.2 or higher patchsets in the 11.2.0.x series	11.2.0.2 or higher patchsets in the 11.2.0.x series	11.2.0.2 or higher patchsets in the 11.2.0.x series	11.2.0.2 or higher patchsets in the 11.2.0.x series
Oracle11gR2 Client (8)	No		11.2.0.2 or higher patchsets in the 11.2.0.x series	11.2.0.2 or higher patchsets in the 11.2.0.x series	11.2.0.2 or higher patchsets in the 11.2.0.x series	11.2.0.2 or higher patchsets in the 11.2.0.x series	11.2.0.2 or higher patchsets in the 11.2.0.x series	11.2.0.2 or higher patchsets in the 11.2.0.x series	11.2.0.2 or higher patchsets in the 11.2.0.x series
Oracle11gR2 Thin Drivers (8)	Yes		11.2.0.2.0	11.2.0.2.0	11.2.0.2.0	11.2.0.2.0	11.2.0.2.0	11.2.0.2.0	11.2.0.2.0

SQL Server:

Database	Bundled	Dependent Product	Windows 2003 Server (64-bit) (SP1 or higher)(3) (7)	Windows 2008 Server (64-bit)	Windows 2008 R2 Server (64-bit)	Solaris 10 (SPARC & x64)	HP-UX 11i V3 (Itanium)	AIX 6.1 (SP1 or higher)/ AIX 7.1	Linux
SQL Server 2008 R2 Enterprise Edition (5) (6)	No		2008 R2	2008 R2	2008 R2	N/A	N/A	N/A	N/A
SQL Server 2008 R2 Standard Edition (5) (6)	No		2008 R2	2008 R2	2008 R2	N/A	N/A	N/A	N/A
Microsoft JDBC Drivers	Yes		2.0	2.0	2.0	2.0	2.0	2.0	2.0

Notes:

1) Both 32 bit and 64 bit versions of Oracle are supported.

2) Oracle Standard Edition One is also supported. Please see Oracle documentation for CPU and user limits with this edition.

3) Windows running on Itanium or Opteron is also supported for the Database tier. The SCU is not supported on these platforms. See Oracle or SQL Server documentation for specifics.

4) See Oracle's web site (www.oracle.com) for versions of Linux supported.

5) Later service packs to SQL Server 2008 R2 are also supported.

6) Note that there are different case sensitivity collation needs between Windchill and Cognos. If using the SQL Server Configuration Utility (SCU) to create a SQL Server database, it will be set correctly. If configuring manually, please refer to the Windchill Business Reporting installation and Configuration Guide.

7) SQL Server 2008 R2 is supported on Windows 2003 Server SP2 and higher.

8) Oracle 11.2.0.2 supported as of M020.

9) Red Hat Enterprise Linux (RHEL) 6.0 is not supported.

Directory Servers

This table describes the LDAP directory servers that are supported for 10.0 Windchill solutions. Windchill Directory Server is a required component. Other LDAPs are optional.

Directory Servers	Bundled	Dependent Product	Windows 2003 Server (64-bit) (SP1 or higher)	Windows 2008 Server (64-bit)	Windows 2008 R2 Server (64-bit)	Solaris 10 (SPARC only)	HP-UX 11i V3 (Itanium)	AIX 6.1 (SP1 or higher)/ AIX 7.1	Red Hat Enterprise Linux 5/6 (64-bit AP or Server)
Windchill Directory Server (Powered by OpenDS 2.3) (2)	Yes		Yes	Yes	Yes	Yes	Yes (4)	Yes	Yes
Active Directory (1)(3)	No		Active Directory 2003	Active Directory 2008	Active Directory 2008	N/A	N/A	N/A	N/A
Any LDAP v3 compliant corporate directory service (1)	No		Yes	Yes	Yes	Yes	Yes	Yes	Yes

Notes:

1) Customer option, but not required. Windchill Directory Server is required for every Windchill installation.

2) IIS does not authenticate against Windchill Directory Server. Authentication against Windchill Directory Server has been tested with Sun's Java Enterprise System (JES) Web Server and Apache.

3) Active Directory supported as read-only directory.

4) JDK 6.0.10 (or higher) must be used. Using earlier versions of the HP JDK may result in unrecoverable errors.

Bundled Server Components

This table describes the server-side components that are bundled with all Windchill solutions, and provide core infrastructure services.   Info*Engine and the Info*Engine Adapter for Windchill are required components.

Bundled Server Components	Bundled	Dependent Product	Windows 2003 Server (64-bit) (SP1 or higher)	Windows 2008 Server (64-bit)	Windows 2008 R2 Server (64-bit)	Solaris 10 (SPARC & x64)	HP-UX 11i V3 (Itanium)	AIX 6.1 (SP1 or higher)/ AIX 7.1	Red Hat Enterprise Linux 5/6 (64-bit AP or Server)
Info*Engine	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Info*Engine Adapter for Windchill	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes
LucidWorks SOLR 1.4.1	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cognos 8.4.1 (1) (2) (3)	Yes		Yes	Yes	Yes	Yes (SPARC only)	Yes	Yes (AIX 6.1 only)	Yes (Linux 5 only) (4)
Rosette Language Identifier 7.2.1	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Rosette RLP Analysers 7.2.1	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes

Notes:

1) Cognos does not support Korean except with the Metrics Manager UI, which PTC does not bundle. Traditional Chinese is only supported with the Consumer Viewer (report output only). The Cognos Framework Manager (not bundled) is available in English only.

2) Windchill Business Reporting is not supported with Pro/INTRALINK.

3) Customers can use 32-bit Cognos products on 64-bit operating system kernels provided they are configured to run using 32-bit runtime libraries. For more information, refer to Cognos support site here.

4) Refer to the Cognos support site for OS patches required for Cognos installation.

Enterprise Systems Integration

This table describes the components of Windchill Enterprise Systems Integration (Windchill ESI). Windchill ESI is an optional product.

Windchill ESI Components	Bundled	Dependent Product	Windows 2003 Server (64-bit) (SP1 or higher)	Windows 2008 Server (64-bit)	Windows 2008 R2 Server (64-bit)	Solaris 10 (SPARC & x64)	HP-UX 11i V3 (Itanium)	AIX 6.1 (SP1 or higher)/ AIX 7.1	Red Hat Enterprise Linux 5 (64-bit AP or Server)
TIBCO Enterprise Message Service 6.0.1 (2)	No		Yes	Yes	Yes (3)	Yes	Yes	N/A	Yes
TIBCO BusinessWorks 5.9.0 (2)	No		Yes	Yes	Yes (3)	Yes	Yes	N/A	Yes
TIBCO Administrator Enterprise Edition 5.7.0 (2)	No		Yes	Yes	Yes (3)	Yes	Yes	N/A	Yes
TIBCO TRA Suite 5.7.1 (2) - Hawk Version 4.9.0 (2)	No		Yes	Yes	Yes (3)	Yes	Yes	N/A	Yes
TIBCO SAP Adapter 6.1.0 (2)	No		Yes (1)	Yes (1)(3)	Yes (1)(3)	Yes (1)	Yes (1)	N/A	Yes (1)
ESI Business Logic for SAP	No	mySAP 2004 with ECC 5.0, mySAP 2005 with ECC 6.0	Yes	Yes	Yes (3)	Yes	Yes	N.A	Yes
TIBCO Adapter for Oracle Applications 5.4.1 (2)	No		Yes	Yes (3)	Yes (3)	Yes (3)	Yes	N/A	Yes
ESI Business Logic for Oracle Applications	No	Oracle Applications 11.5.10, 12.0.6, 12.1.1	Yes	Yes	Yes (3)	Yes	Yes	N/A	Yes

Notes:

1) Windows platforms require 32-bit SAP JCO 2.1.6 or higher. All other supported platforms require 64-bit SAP JCO 2.1.6 or higher.
2) New versions of TIBCO supported as of M020. See the Revision History for previous versions supported.

3) Windows 2008 R2 server supported as of M020.TIBCO SAP Adapter and TIBCO Adapter for Oracle Applications also supported on Windows 2008 Server (64-bit) as of M020. TIBCO Adapter for Oracle Applications supported on both Solaris 10 SPARC and x64 as of M020.

Optional Windchill Components

This table contains support information for several optional components.

Optional Components	Bundled	Dependent Product	Windows 2003 Server (64-bit) (SP1 or higher)	Windows 2008 Server (64-bit)	Windows 2008 R2 Server (64-bit)	Solaris 10 (SPARC & x64)	HP-UX 11i V3 Itanium	AIX 6.1 (SP1 or higher)/ AIX 7.1	Red Hat Enterprise Linux 5/6 (64-bit AP or Server)
Windchill PartsLink	No	Windchill PDMLink	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Windchill MPMLink	No	Windchill PDMLink	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Information Modeler	No	None	Yes	Yes	Yes	Yes	N/A	N/A	Yes
Counterpart	Yes For PDM only	None	Yes	N/A	N/A	N/A	N/A	N/A	N/A
Windchill Web Parts for SharePoint	No	NET Framework 3.5 Windows SharePoint Services 3.0, Microsoft Office SharePoint Server 2007, or Windchill ProductPoint 1.0+	Yes	Yes		N/A	N/A	N/A	N/A
Windchill RequirementsLink (1)		Windchill PDMLink	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Notes:

1) RequirementsLink Microsoft Word and Excel support was limited to Word 2003 and Excel 2003 prior to Windchill 10.0. As of Windchill 10.0, Word 2007 and Excel 2007 are also supported.

Windchill Archive

Windchill Archive is an optional module.

Optional Components	Bundled	Dependent Product	Windows 2003 Server (64-bit) (SP1 or higher)	Windows 2008 Server (64-bit)	Windows 2008 R2 Server (64-bit)	Solaris 9 (SPARC only)	Solaris 10 (SPARC only)	HP-UX 11i V3 Itanium	AIX 6.1 (SP1 or higher)/ AIX 7.1	Red Hat Enterprise Linux 5/6 (64-bit AP or Server)
Windchill Archive Server (1)	No		N/A	Yes(2)	Yes(2)	N/A(2)	N/A	N/A	N/A	Yes (2)
Windchill Archive Client	No		N/A (2)	Yes	Yes	N/A	N/A (2)	N/A (2)	N/A (2)	Yes

Notes:

1) The appropriate JRE is bundled with the installer.

2) Windows 2008 Server, Windows 2008 R2 Server, and Red Hat Linux 5/6 are supported as of M020. Windows 2003 Server and Solaris 9 Server are no longer supported as of M020. Windows 2003, Solaris 10, HP-UX 11i V3, and AIX are no longer supported archive clients as of M020. EMC Centera is no longer a supported depended product as of M020.

Windchill Integrations for Embedded Software

Windchill Integration for Embedded Software is an optional module.

Optional Components	Bundled	Dependent Product	Windows 2003 Server (64-bit) (SP1 or higher)	Windows 2008 Server (64-bit)	Windows 2008 R2 Server (64-bit)	Solaris 10 (SPARC & x64)	HP-UX 11i V3 Itanium	AIX 6.1 (SP1 or higher)/ AIX 7.1	Red Hat Enterprise Linux 5/6 (64-bit AP or Server))
IBM Rational ClearCase (1)	No	Windchill PDMLink	2003.06.10 or later versions of ClearCase 6.0, 7.0 or later versions of ClearCase 7.0 7.1 or later versions of ClearCase 7.1 (6)	2003.06.10 or later versions of ClearCase 6.0, 7.0 or later versions of ClearCase 7.0 7.1 or later versions of ClearCase 7.1 (6)	2003.06.10 or later versions of ClearCase 6.0, 7.0 or later versions of ClearCase 7.0 7.1 or later versions of ClearCase 7.1 (6)	2003.06.10 or later versions of ClearCase 6.0, 7.0 or later versions of ClearCase 7.0 7.1 or later versions of ClearCase 7.1 (6)	2003.06.10 or later versions of ClearCase 6.0, 7.0 or later versions of ClearCase 7.0 7.1 or later versions of ClearCase 7.1 (6)	2003.06.10 or later versions of ClearCase 6.0, 7.0 or later versions of ClearCase 7.0 7.1 or later versions of ClearCase 7.1 (6)	2003.06.10 or later versions of ClearCase 6.0, 7.0 or later versions of ClearCase 7.0 7.1 or later versions of ClearCase 7.1 (6)
Subversion (2)	No	Windchill PDMLink	1.6.x	1.6.x	1.6.x	1.6.x	1.6.x	1.6.x	1.6.x
Atlassian JIRA (3)	No	Windchill PDMLink	4.x	4.x	4.x	4.x	4.x	4.x	4.x
Bugzilla (4)	No	Windchill PDMLink	3.x	3.x	3.x	3.x	3.x	3.x	3.x
Eclipse (5)	No	Windchill PDMLink	3.5.x or 3.6.x	3.5.x or 3.6.x	3.5.x or 3.6.x	3.5.x or 3.6.x	3.5.x or 3.6.x	3.5.x or 3.6.x	3.5.x or 3.6.x

Notes:

1) The ClearCase adapter (client) platforms/OS certified are Windows XP Pro and Windows 2003 Server.

2) The adapter is certified with a Subversion server operating on either Unix or Windows OS.

3) The adapter is certified with a JIRA server operating on a Windows OS.

4) The adapter is certified with a Bugzilla server on either Unix or Windows OS.

5) The plug-in is certified with Eclipse clients on Windows OS.

6) Clearcase 7.1 or later versions of 7.1 are supported as of M010.

Windchill Quality Solutions

Windchill Quality Solutions is an optional module.

Optional Components	Bundled	Dependent Product	Windows 2003 Server (64-bit) (SP1 or higher)	Windows 2008 Server (64-bit)	Windows 2008 R2 Server (64-bit)	Solaris 10 (SPARC & x64)	HP-UX 11i V3 Itanium	AIX 6.1 (SP1 or higher)/ AIX 7.1	Red Hat Enterprise Linux 5/6 (64-bit AP or Server)
Windchill CAPA (2)	No	(1)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Windchill Nonconformance (3)	No	(1)	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Notes:

1) Windchill Quality Solutions is not dependent on Windchill PDMLink, but can be installed with Windchill PDMLink or a bundled Windchill PDMLink and ProjectLink.

2) Windchill CAPA is supported as of M010.

3) Windchill Nonconformance is supported as of M020.

Client Platform Support (1)

This table describes the client infrastructure supported by 10.0 Windchill solutions. A web browser and java plug-in are required components. The JRE is required only for use with a workgroup manager (See Windchill CAD Integrations section of this document).

Client Software	Bundled	Windows XP Professional (SP2 or higher)	Windows XP X64 (Opteron and EM64T)	Windows XP Home (SP2 or higher)	Windows Vista (32- & 64-bit) (5)	Windows 7 (32- & 64-bit)	Solaris 10 (SPARC & x64)
Microsoft Internet Explorer	No	7.0 (4); 8.0 (6); 9.0 (8)	7.0 (4); 8.0 (6); 9.0 (8)	7.0 (4); 8.0 (6); 9.0 (8)	7.0 (5); 8.0 (6); 9.0 (8)	8.0 (6); 9.0 (8)	N/A
Mozilla Firefox	No	3.6.x; 5.0 or higher (7)	3.6.x; 5.0 or higher (7)	3.6.x; 5.0 or higher (7)	3.6.x; 5.0 or higher (7)	3.6.x; 5.0 or higher (7)	3.6.x; 5.0 or higher (7)
Google Chrome (10)	No	12.0 or higher (9)	12.0 or higher (9)	12.0 or higher (9)	12.0 or higher (9)	12.0 or higher (9)	12.0 or higher (9)
Java Plug in (2)	No	1.6.0_22 or higher in the 1.6.0 series	1.6.0_22 or higher in the 1.6.0 series (3)	1.6.0_22 or higher in the 1.6.0 series	1.6.0_22 or higher in the 1.6.0 series	1.6.0_22 or higher in the 1.6.0 series	1.6.0_22 or higher in the 1.6.0 series

Notes:

1) Webex Meeting Center is an optional client component that can be used with the Windchill 10.0 product line. See the Meeting Center system requirements at the following URL for more details on browser and platform support, and minimum hardware specifications: http://support.webex.com/support/system-requirements.html.

2) Higher versions of the 1.6.0_xx plug-in are supported.

3) 32-bit plug-in is used on Windows XP 64-bit.

4) Internet Explorer 7.0.5730.11 or higher is recommended if using Internet Explorer 7.0. Internet Explorer 8.0 is recommended over Internet Explorer 7.0, as there have been performance improvements in Internet Explorer 8.0.

5) There are known issues using Internet Explorer on Vista. Please refer to TAN 138195.

6) When using Internet Explorer 8.0, make sure the Browser Mode and Document Mode are set to 'Internet Explorer 8' and 'Internet Explorer 8 Standards' respectively. Other settings are not supported or tested and may have adverse effects.

7) Mozilla Firefox 5.0 and future stable versions are supported as of M020.

8) Internet Explorer 9.0 is supported as of M020.

9) Google Chrome 12.0 and future stable versions are supported as of M020.

10) Google Chrome is not supported with Cognos.

Windchill Client Components

This table describes Windchill client software. These components are optional.

Client Software	Bundled	Dependent Product	Windows XP Professional (SP2 or higher)	Windows XP Professional X64 (Opteron and EM64T)	Windows XP Home (SP2 or higher)	Windows Vista 32-bit	Windows Vista 64-bit	Windows 7 32-bit	Windows 7 64-bit	Solaris 10 x64
PTC Desktop and Office Integration (2) (3)	Yes	Office 2003, Office 2007, Outlook 2007, Office 2010 (5), Outlook 2010 (5)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A
Windchill ProjectLink Plug in for Microsoft Project (1)	Yes	Microsoft Project 2003, Microsoft Project 2007, Microsoft Project 2010 (5)(6)	Yes	Yes	N/A	Yes (4)	Yes (5)	Yes (5)	Yes (5)	N/A

Notes:

1) Available with Windchill ProjectLink only.

2) Microsoft Office integration support is limited to locally installed Microsoft Windows Explorer and locally installed 32-bit versions of Microsoft Word, Microsoft Excel, Microsoft PowerPoint, and Microsoft Outlook.

3) PTC Desktop and Office Integration is not supported with Pro/INTRALINK 10.0.

4) Windchill ProjectLink Plug in for Microsoft Project supported on 32-bit only prior to M010.

5) Office 2010, Outlook 2010, and Microsoft Project 2010 supported as of M010.

6) Both Professional and Standard editions of all Microsoft Project versions listed are supported.

Info*Engine Adapters

The following products will work with the Windchill solutions or Info*Engine standalone.

Info*Engine Adapters	Bundled	Dependent Product	Windows 2003 Server (64-bit)(SP1 or higher)	Windows 2008 Server (64-bit)	Windows 2008 R2 Server (64-bit)	Solaris 10 (SPARC & x64)	HP-UX 11i V3 Itanium	AIX 6.1 (SP1 or higher)/ AIX 7.1	Red Hat Enterprise Linux 5/6 (64-bit AP or Server)
DOORS	No	DOORS 9.1, 9.2, 9.3 (2)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JDBC	No	Any JDBC 3.0 or JDBC 4.0 compliant database	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JNDI	Yes	Any JNDI V3 compliant directory service	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JADK	No		Yes	Yes	Yes	Yes	Yes	Yes	Yes
SAP	No	mySAP 2004 with ECC 5.0, mySAP 2005 with ECC 6.0	Yes	N/A	N/A	Yes	Yes	N/A	Yes

Notes:

1) SAP Adapter continues to require JCO 2.1.x. It has been tested on JCO 2.1.9.

2) DOORS 9.3 supported as of M010.

Integration Products Interoperability

The following integration products are interoperable with Info*Engine.

Product	Bundled	Tested Transports or Protocols (1)
IBM WebSphere Process Server 6.0.2	No	Web Services
IBM WebSphere MQ 5.3/6	No	Java Message Service 1.1
TIBCO Business Works 5.9.0 (4)	Yes (2)	Web Services
TIBCO Enterprise Message Service 6.0.1(4)	Yes (2)	Java Message Service 1.1
Open MQ 4.4u2	Yes(3)	Java Message Service 1.1

Notes:

1) Other product versions, transports, and protocols may work, but have not been tested by PTC. PTC cannot provide specific support for untested versions, transports, or protocols.
2) This software is only bundled with Windchill Enterprise Systems Integration.
3) This software is only bundled with Windchill Gateway for FORAN.
4) TIBCO Business Works 5.9.0 and TIBCO Enterprise Message Services 6.0.1 supported as of M020. See Revision History for previous versions supported.

Development Software

Development Software	Bundled	Dependent Product	Windows 2003 Server (64-bit) (SP1 or higher)	Windows 2008 Server (64-bit)	Windows 2008 R2 Server (64-bit)	Solaris 10 (SPARC & x64)	HP-UX 11i V3 Itanium	AIX 6.1 (SP1 or higher)/ AIX 7.1	Red Hat Enterprise Linux 5/6 (64-bit AP or Server)
Ant	Yes		1.8.1	1.8.1	1.8.1	1.8.1	1.8.1	1.8.1	1.8.1
Ant-contrib	Yes		1.0b3	1.0b3	1.0b3	1.0b3	1.0b3	1.0b3	1.0b3
Antlr	Yes		3.0.1	3.0.1	3.0.1	3.0.1	3.0.1	3.0.1	3.0.1
Antenna House stylesheet	Yes		2002	2002	2002	2002	2002	2002	2002
Apache Axis	Yes (5) (6)		1.4	1.4	1.4	1.4	1.4	1.4	1.4
Apache Commons BeanUtils	Yes		1.8.3	1.8.3	1.8.3	1.8.3	1.8.3	1.8.3	1.8.3
Apache Commons Codec	Yes		1.4	1.4	1.4	1.4	1.4	1.4	1.4
Apache Commons Collections	Yes		3.2.1	3.2.1	3.2.1	3.2.1	3.2.1	3.2.1	3.2.1
Apache Commons Digester	Yes		2.1	2.1	2.1	2.1	2.1	2.1	2.1
Apache Commons Discovery	Yes		0.4	0.4	0.4	0.4	0.4	0.4	0.4
Apache Commons File Upload	Yes		1.2.2	1.2.2	1.2.2	1.2.2	1.2.2	1.2.2	1.2.2
Apache Commons IO	Yes		2.0	2.0	2.0	2.0	2.0	2.0	2.0
Apache Commons Lang	Yes		2.5	2.5	2.5	2.5	2.5	2.5	2.5
Apache Commons Logging	Yes		1.1.1	1.1.1	1.1.1	1.1.1	1.1.1	1.1.1	1.1.1
Apache Commons Net	Yes		3.0	3.0	3.0	3.0	3.0	3.0	3.0
Apache log4j	Yes		1.2.16	1.2.16	1.2.16	1.2.16	1.2.16	1.2.16	1.2.16
Apache log4j extras	Yes		1.0	1.0	1.0	1.0	1.0	1.0	1.0
Apache POI	Yes		3.6	3.6	3.6	3.6	3.6	3.6	3.6
Apache Tika	Yes		0.7	0.7	0.7	0.7	0.7	0.7	0.7
Apache XMLBeans	Yes		2.5.0	2.5.0	2.5.0	2.5.0	2.5.0	2.5.0	2.5.0
ASM	Yes		3.3.1	3.3.1	3.3.1	3.3.1	3.3.1	3.3.1	3.3.1
AspectJ	Yes		1.6.10	1.6.10	1.6.10	1.6.10	1.6.10	1.6.10	1.6.10
Batik	Yes		1.7.0	1.7.0	1.7.0	1.7.0	1.7.0	1.7.0	1.7.0
CGLib	Yes		2.2	2.2	2.2	2.2	2.2	2.2	2.2
Closure JavaScript	Yes		Compiler-	Compiler-	Compiler-	Compiler-	Compiler-	Compiler-	Compiler-

Development Software	Bundled	Dependent Product	Windows 2003 Server (64-bit) (SP1 or higher)	Windows 2008 Server (64-bit)	Windows 2008 R2 Server (64-bit)	Solaris 10 (SPARC & x64)	HP-UX 11i V3 Itanium	AIX 6.1 (SP1 or higher)/ AIX 7.1	Red Hat Enterprise Linux 5/6 (64-bit AP or Server)
Compiler			20100330	20100330	20100330	20100330	20100330	20100330	20100330
Dom4j	Yes		1.6.1	1.6.1	1.6.1	1.6.1	1.6.1	1.6.1	1.6.1
Express Data Manager (2)	No		4.065 (32-bit) & 5.00.0305.04 (64-bit)	5.00.0305.04	5.00.0305.04	N/A	N/A	N/A	N/A
Ext GWT	Yes		2.2	2.2	2.2	2.2	2.2	2.2	2.2
Ext-JS	Yes		3.2.1	3.2.1	3.2.1	3.2.1	3.2.1	3.2.1	3.2.1
Ext.ux.maximgb.treegrid	Yes		3.0	3.0	3.0	3.0	3.0	3.0	3.0
CKEditor	Yes		3.3.1	3.3.1	3.3.1	3.3.1	3.3.1	3.3.1	3.3.1
Firebug Lite	Yes (7)		1.0b1	1.0b1	1.0b1	1.0b1	1.0b1	1.0b1	1.0b1
FOP	Yes		1.0	1.0	1.0	1.0	1.0	1.0	1.0
Google Web Toolkit	Yes		2.0.4	2.0.4	2.0.4	2.0.4	2.0.4	2.0.4	2.0.4
Groovy	Yes		1.7.4	1.7.4	1.7.4	1.7.4	1.7.4	1.7.4	1.7.4
GWT Incubator (9)	Yes		20100204-r1747	20100204-r1747	20100204-r1747	20100204-r1747	20100204-r1747	20100204-r1747	20100204-r1747
GWT Math	Yes		2.1	2.1	2.1	2.1	2.1	2.1	2.1
GWT Math Server	Yes		2.1	2.1	2.1	2.1	2.1	2.1	2.1
GWTx	Yes		1.5.2	1.5.2	1.5.2	1.5.2	1.5.2	1.5.2	1.5.2
ICal4j	Yes		1.0RC3	1.0RC3	1.0RC3	1.0RC3	1.0RC3	1.0RC3	1.0RC3
iText	Yes		2.1.7	2.1.7	2.1.7	2.1.7	2.1.7	2.1.7	2.1.7
Jakarta Commons HTTPClient	Yes		3.1	3.1	3.1	3.1	3.1	3.1	3.1
Jakarta Regular Expression classes	Yes		1.5	1.5	1.5	1.5	1.5	1.5	1.5
Java Message Service API	Yes		1.1	1.1	1.1	1.1	1.1	1.1	1.1
Java Server Pages API	Yes		2.1	2.1	2.1	2.1	2.1	2.1	2.1
Java Server Pages Standard Tag Library (JSTL)	Yes		1.2	1.2	1.2	1.2	1.2	1.2	1.2
Java Telnet Applet (3)	Yes		1.0	1.0	1.0	1.0	1.0	1.0	1.0

Development Software	Bundled	Dependent Product	Windows 2003 Server (64-bit) (SP1 or higher)	Windows 2008 Server (64-bit)	Windows 2008 R2 Server (64-bit)	Solaris 10 (SPARC & x64)	HP-UX 11i V3 Itanium	AIX 6.1 (SP1 or higher)/ AIX 7.1	Red Hat Enterprise Linux 5/6 (64-bit AP or Server)
JavaCup (Cup Parser Generator)	Yes		0.1	0.1	0.1	0.1	0.1	0.1	0.1
Java Getopt	Yes		1.0.13	1.0.13	1.0.13	1.0.13	1.0.13	1.0.13	1.0.13
JavaMail	Yes		1.4.3	1.4.3	1.4.3	1.4.3	1.4.3	1.4.3	1.4.3
Javax.media.j3D	Yes		1.5.1	1.5.1	1.5.1	1.5.1	1.5.1	1.5.1	1.5.1
Jaxen	Yes		1.1.3	1.1.3	1.1.3	1.1.3	1.1.3	1.1.3	1.1.3
JBuilder classes (runtime and extensions)	Yes		3.0	3.0	3.0	3.0	3.0	3.0	3.0
Java Servlet API	Yes		2.5	2.5	2.5	2.5	2.5	2.5	2.5
Jcommon	Yes		1.0.13	1.0.13	1.0.13	1.0.13	1.0.13	1.0.13	1.0.13
JDOM XML Parser	Yes		1.1.1	1.1.1	1.1.1	1.1.1	1.1.1	1.1.1	1.1.1
JEP	Yes		3.3	3.3	3.3	3.3	3.3	3.3	3.3
JFreechart	Yes		1.0.13	1.0.13	1.0.13	1.0.13	1.0.13	1.0.13	1.0.13
JSON	Yes								
JTidy	Yes		r938	r938	r938	r938	r938	r938	r938
JViews Gantt (10)	Yes		8.1	8.1	8.1	8.1	8.1	8.1	8.1
Log4javascript	Yes		1.4.1	1.4.1	1.4.1	1.4.1	1.4.1	1.4.1	1.4.1
Magelang support classes	Yes		1.0	1.0		1.0	1.0	1.0	1.0
Metro	Yes		2.0.1	2.0.1	2.0.1	2.0.1	2.0.1	2.0.1	2.0.1
MigLayout	Yes		3.7.3.1	3.7.3.1	3.7.3.1	3.7.3.1	3.7.3.1	3.7.3.1	3.7.3.1
MPXJ	Yes		4.0.0	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0
Mylyn API	Yes		3.3.3	3.3.3	3.3.3	3.3.3	3.3.3	3.3.3	3.3.3
OpenMQ Client Libraries	Yes		4.4u2	4.4u2	4.4u2	4.4u2	4.4u2	4.4u2	4.4u2
OWASP Enterprise Security API Toolkit (ESAPI)	Yes								
Perl	No		5.6 or higher (9)	5.6 or higher (8)		5.6 or higher (9)	5.6 or higher (8)	5.6 or higher (8)	5.6 or higher (8)
ROME RSS feed toolkit	Yes		1.0	1.0	1.0	1.0	1.0	1.0	1.0

Development Software	Bundled	Dependent Product	Windows 2003 Server (64-bit) (SP1 or higher)	Windows 2008 Server (64-bit)	Windows 2008 R2 Server (64-bit)	Solaris 10 (SPARC & x64)	HP-UX 11i V3 Itanium	AIX 6.1 (SP1 or higher)/ AIX 7.1	Red Hat Enterprise Linux 5/6 (64-bit AP or Server)
Java Software Developer Kit (SDK) – server side only	Yes		1.6.0_26 (1)(4) from Oracle/Sun Microsystems	1.6.0_26 (1)(4) from Oracle/Sun Microsystems	1.6.0_26 (1)(4) from Oracle/Sun Microsystems	1.6.0_26 (1)(4) from Oracle/Sun Microsystems	6.0.10 (4) from HP	V6 SR 9 (4)from IBM	1.6.0_26 (1)(4) from Oracle/Sun Microsystems
Saxon	Yes		9.1.0.8	9.1.0.8	9.1.0.8	9.1.0.8	9.1.0.8	9.1.0.8	9.1.0.8
Scriptaculous-js	Yes		1.8.3	1.8.3	1.8.3	1.8.3	1.8.3	1.8.3	1.8.3
Simile Widgets Timeline Component	Yes		Timeline_pre2.3.0	Timeline_pre2.3.0	Timeline_pre2.3.0	Timeline_pre2.3.0	Timeline_pre2.3.0	Timeline_pre2.3.0	Timeline_pre2.3.0
Simple Logging Façade for Java (SLF4J)*	Yes		1.6.1	1.6.1	1.6.1	1.6.1	1.6.1	1.6.1	1.6.1
Spring MVC	Yes		3.0.3	3.0.3	3.0.3	3.0.3	3.0.3	3.0.3	3.0.3
TrueZip	Yes		6.8.1	6.8.1	6.8.1	6.8.1	6.8.1	6.8.1	6.8.1
Vecmath classes	Yes		1.5.1	1.5.1	1.5.1	1.5.1	1.5.1	1.5.1	1.5.1
Xalan	Yes		2.7.1	2.7.1	2.7.1	2.7.1	2.7.1	2.7.1	2.7.1
Xerces	Yes		2.10.0	2.10.0	2.10.0	2.10.0	2.10.0	2.10.0	2.10.0

Notes:

1) Testing was done with the 32 bit SDK version indicated, except for Windows 2003 and Windows 2008 64-bit

2) Express Data Manager from EPM Technology is needed in order to run STEP.

3) Only those classes required for visualization are included.

4) SDK versions shown are the SDK versions that were tested. Higher versions in the 1.6.0_xx series are also expected to work.

5) Cognos provides their own version of Apache Axis, version 1.1, which is used in the Cognos integration.

6) Version specified in the matrix is only used with Workflow task forms.

7) Not used by default. Provided for customer convenience.

8) Perl is shipped with the OS, so the version may vary. Testing was done with the version provided with the OS.

9) Only the needed libraries from GWT Incubator are included.

10) Used by MPMLink and ProjectLink

Revision History

Date Modified	Revision	Description of Change
17 December 2010	0.0	Preproduction matrix posted.
3 February 2011	0.1	Added link to the Windchill Future Platform Support Matrix.
18 March 2011	1.0	Release of Windchill 10.0 Software Matrices
8 April 2011	1.1	In the Database section, clarified supported patchset statement
17 June 2011	2.0	Updates for M010. Java Server Side Support table updated with the following: SDK on Windows, Solaris, and Linux updated from 1.6.0_22 to 1.6.0_24. HP SDK updated from 6.0.08 to 6.0.10. AIX SDK updated from V6 SR8 to V6 SR9. In the Web Servers and Servlet Engines section, updated Tomcat to 6.0.32 from 6.0.29. Apache on HP-UX updated to 2.2.15. Removed 'required packages' footnote as it is now obsolete. Updated the Windchill Client Components section with the support of Office 2010, Outlook 2010, and Microsoft Project 2010. In Integration Products Interoperability section, added Open MQ 4.4u2 and noted that it is bundled with Windchill Gateway for FORAN. Added iText and JTidy to the Development Software section. Removed references to the Windchill Gateway for Cadence® Allegro® Design Workbench (ADW) from the Optional Windchill Components table. That information is now contained in the CAD Integration matrix. Also updated the footnote on RequirementsLink. In the Info*Engine Adapters section, noted that DOORS 9.3 is supported as of M010. In the Windchill Integrations for Embedded Software section noted that Clearcase 7.1 is supported as of M010.
12 August 2011	2.1	Added section for Windchill Quality Solutions.
4 October 2011	3.0	Updates for M020. AIX 7.1 and Linux 6 added as supported Servers. Also updated Linux nomenclature. In the Development Software section, added Apache Commons Net and TrueZip, which are now bundled with M020. Updated version of ASM. Updated the Express Data Manager information. Updated the Windchill Archive section and added a footnote specifying the changes. In the Database section, updated Oracle supported to 11.2.0.2. In the Client Platform Support section, added Internet Explorer 9.0, Firefox 5.0, and Google Chrome 12.0. In the Web Servers and Servlet Engines section, updated Apache from 2.2.17 to 2.2.19 for all platforms except HP-UX. Updated section for Windchill Quality Solutions to include Windchill Nonconformance. In the Enterprise Systems Integration section, TIBCO Enterprise Message Services upgraded to 6.0.1 from 5.1.4; TIBCO Business Works upgraded to 5.9.0 from 5.7.2; TIBCO Administrator Enterprise Edition upgraded to 5.7.0 from 5.6.1; TIBCO TRA Suite upgraded to 5.7.1 from 5.6.2 with Hawk Versions upgraded to 4.9.0 from 4.8.1; TIBCO SAP Adapter upgraded to 6.1.0 from 6.0.0; and TIBCO Adapter for Oracle Applications upgraded to 5.4.1 from 5.4.0. Windows 2008 R2 Server now supported for all ESI components. Windows 2008 Server (64-bit) now supported for all ESI components, and

		TIBCO Adapter for Oracle Applications is no longer limited to SPARC on Solaris 10. In Integration Products Interoperability section, upgraded TIBCO Business Works to 5.9.0 from 5.7.2, and upgraded TIBCO Enterprise Message Service to 6.0.1 from 5.1.4. In the Oracle 11g section identified that RHEL 6 is not supported for Pro/INTRALINK. Updated and added footnotes in the Windchill Client Components section. In the Java Server Side Support section, updated the SDK on Windows, Solaris, and Linux to 1.6.0_26 from 1.6.0_24.