



Adept 2018 System Requirements

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OVERVIEW

To successfully install and run Adept 2018 (Adept Server, Adept Web Server, Adept Desktop Client, Adept Web Clients, Adept CAD Integrations), follow the system requirements specified in this document.

Adept 2018 requires installation of the Adept Server (referred to as the Adept Native Server) and the Adept Web Server applications. This is required even if not using the Adept Web Client or the Adept Integration for SOLIDWORKS 2018 as there are dependencies between the two servers which require both to be configured and running to support Adept applications.

Note: This is the initial version of this document for Adept 2018. Subsequent changes to this document will be highlighted in yellow.

Note: The information in this document is based on the latest available version of Adept 2018. The system requirements for earlier versions of Adept 2018 may vary.

ADEPT NATIVE SERVER

ADEPT NATIVE SERVER SOFTWARE REQUIREMENTS

Supported Operating Systems	Windows Server 2008 R2 64-bit edition; Windows Server 2012 and 2012 R2; Windows Server 2016 <i>With latest service packs and hot fixes installed</i>
Adept AFS Hub and Satellite Server Software	Optional: However, required for AFS Vaults and Replication – May be installed on any supported Windows server operating system.
Microsoft .NET Framework	Required .NET Framework 4.6.1 or higher (version 4.6.1 will be installed by Adept installer).
SQL Database Engine	Required: The following Database Engines are supported in Adept, and may be installed on any operating system allowed by the Manufacturer.
	Oracle® Database 11g, 12c † <i>With latest service packs and hot fixes installed</i>
	Microsoft SQL Server 2008 R2 64-bit; 2012 64-bit, 2014 64bit, 2016 64-bit †† <i>With latest service packs and hot fixes installed</i>
FTP Server Software	Optional: However, required for FTP Vaults – May be installed on any operating system allowed by the manufacturer.
	Microsoft IIS/FTP Services <i>With latest service packs and hot fixes installed †††</i>
	Other qualified FTP Server software ††† <i>Please see note</i>

† Before upgrading your Oracle database from 11g to 12c, ensure you have the latest 11g patch, 11.2.0.3 installed. The database upgrade wizard in 12c will only proceed on schema from a source database with 11g/11.2.0.3 installed.

†† SQL Express is supported in small deployments or local area network deployments provided database size does not exceed the manufacturer’s 10GB database limit. Be aware that database size grows over time and if you choose SQL Express today, you may be required to upgrade at a later time.

††† If you plan to use FTP Vaults, you will need to run an FTP Server on each network where a Vault is located. Please be aware that Microsoft FTP Server does not support Adept’s compressed FTP file transfer. To use Adept’s compressed FTP Vaults and file transfer, you must use one of the following qualified FTP Servers: ServU, FileZilla, or CuteFTP Server. To use Adept’s secure FTPS Vaults and file transfer, you must use one of the following qualified FTP Servers: FileZilla, or Microsoft IIS FTP Server.

ADEPT NATIVE SERVER HARDWARE REQUIREMENTS

Adept Application Server requirements and recommendations will depend on your scope and use of Adept. In many cases, the SQL Database Engine and the Adept Application Server Software can run on the same server.

In instances where the Adept Application Server Software and the database engine server software do not reside on the same machine, it will be important to have high speed connectivity between the servers - fiber channel is recommended - due to the high number of transactions between the Adept Application Server and the database engine. Both the Adept Application Server Software and the SQL Database Engine take advantage of CPU threading technology, you can expect increased performance with multiple CPU's, hyper-threaded CPU's, or both.

During server installation, you may need an IT member present to install system updates, adjust Firewall ports, and perform other necessary network tasks.

Important Note: The Adept Native Server Software is not supported when deployed on a machine running Microsoft Exchange Server nor is it supported when installed on a primary or backup Domain Controller. It is not supported when the Adept Native Server Software and the SQL Database Server Software are not on the same local area network segment.

RECOMMENDED HARDWARE REQUIREMENTS FOR:

ADEPT ON A LAN WITH OCCASIONAL WAN OR REMOTE ACCESS

Processor	Current XEON® class processor; 2 GHz or faster, dual core minimum, quad core recommended †
Memory	16 GB or greater
Storage	800 MB free disk space for installation; 10 GB free for runtime cache

ADEPT ON A WAN WITH MULTIPLE REMOTE SITES AND/OR A LARGE NUMBER OF CONCURRENT USERS ††

Processor	Current XEON® class processor; 2 GHz or faster – quad core minimum, 6 core or greater recommended †
Memory	24 GB or greater
Storage	800 MB free disk space for installation; 10 GB free for runtime cache

† Virtual machine platforms are supported as long as the system requirements for Adept are met or exceeded. Adept is multi-threaded and requires multiple CPU's and sufficient memory access.

†† Although many factors affect the performance experienced by the Adept user, generally more than 50 concurrent users is considered a large number.

ADEPT WEB SERVER

The Adept Web Server Software is not supported when deployed on a Microsoft Exchange Server nor is it supported when installed on a primary or backup Domain Controller.

In most cases for performance reasons, you will install Adept Web Server on different server hardware from the one on which you have installed the Adept Server

During server installation, you may need an IT member present to install system updates, adjust Firewall ports, and perform other necessary network tasks. You will need a Windows User Account with permission to run a web site in IIS. For best results, the Windows User Account should be a local Administrator with full access to the local machine. We recommend that you create a new Windows User Account that is a local machine Administrator with a password that does not expire.

ADEPT WEB SERVER SOFTWARE REQUIREMENTS

Supported Operating Systems	Windows Server 2008 R2 64-bit edition; Windows Server 2012 and 2012 R2; Windows Server 2016 <i>With latest service packs and hot fixes installed</i>
Microsoft .NET Framework	Required .NET Framework 4.6.1 or higher (version 4.6.1 will be installed by Adept Web Server installer).
Internet Information Services (IIS)	Most current IIS version applicable to operating system

ADEPT WEB SERVER HARDWARE REQUIREMENTS

RECOMMENDED HARDWARE REQUIREMENTS FOR:

ADEPT WEB SERVER ON A LAN WITH OCCASIONAL WAN OR REMOTE ACCESS

Processor	Current XEON® class processor; 2 GHz or faster, dual core minimum, quad core recommended †
Memory	16 GB or greater
Storage	800 MB free disk space for installation; 50 GB free for runtime cache

ADEPT WEB SERVER ON A WAN WITH MULTIPLE REMOTE SITES AND/OR A LARGE NUMBER OF CONCURRENT USERS ††

Processor	Current XEON® class processor; 2 GHz or faster – quad core minimum, 6 core or greater recommended †
Memory	32 GB or greater
Storage	800 MB free disk space for installation; 50 GB free for runtime cache

† Virtual machine platforms are supported as long as the system requirements for Adept are met or exceeded. Adept is multi-threaded and requires multiple CPU's and sufficient memory access.
 †† Although many factors affect the performance experienced by the Adept user, generally more than 50 concurrent users is considered a large number.

ADEPT DESKTOP CLIENT WORKSTATION HARDWARE AND SOFTWARE REQUIREMENTS

Following are the system requirements for the Adept Desktop Client.

During client installation, you may need an IT member present to install system updates and perform other necessary network tasks.

(NOTE: Please see Adept Web Client Workstation Requirements for system requirements for the Adept Web Client.)

Processor	
Viewing workstation	Pentium® 2 GHz or greater
2D / 3D CAD workstation	CAD software manufacturer’s workstation requirements or greater
Supported Operating Systems	Windows 7 64-bit editions, Windows 8.1 64-bit editions, Windows 10 64-bit editions †. Desktop only (not qualified for tablet use)
Visual C++ 2015 Runtimes	Required: Visual C++ Redistributable for Visual Studio 2015 (x86 and x64) – v14.0.24215.1 or later must be downloaded and installed manually before installing the Adept Desktop Client. Both must be installed on 64-bit systems.
Microsoft .NET Framework	Required: .NET Framework 4.6.1 or higher. .NET Framework 4.6.1 is provided with the Adept distribution but must be installed manually before installing the Adept Desktop Client
Memory	
Viewing workstation	4 GB or greater
2D / 3D CAD workstation	CAD software manufacturer’s workstation requirements or greater
Storage	1.5 GB free disk space for installation (installed product is under 1.0 GB)
Display	Minimum 1600 x 900 resolution recommended
Outlook to Adept	Required: Visual Studio Office Tools††

† Adept’s CAD integration support is limited to those CAD applications that have stated Windows 10 support.

†† If the Outlook to Adept PlugIn does not load properly, the system may be missing Visual Studio Office Tools. This is normally installed as part of the full Office suite installation, but can be downloaded and installed separately.

ADEPT CAD INTEGRATION CLIENT WORKSTATION HARDWARE AND SOFTWARE REQUIREMENTS

Following are the system requirements for the Adept CAD Integrations. Installing and running the Adept Desktop Client and the Adept WebAPI-based CAD Integrations on the same workstation is supported. Both applications use an Adept Desktop Client license. Only one license is used even when running both applications simultaneously.

During client installation, you may need an IT member present to install system updates and perform other necessary network tasks.

Processor	
2D / 3D CAD workstation	CAD software manufacturer's workstation requirements or greater
Supported Operating Systems	Windows 7 64-bit editions, Windows 8.1 64-bit editions, Windows 10 64-bit editions †
Visual C++ 2015 Runtimes	Required: Visual C++ Redistributable for Visual Studio 2015 (x86 and x64) – v14.0.24215.1 or later must be downloaded and installed manually before installing the Adept Desktop Client. Both must be installed on 64-bit systems.
Microsoft .NET Framework	Required: .NET Framework 4.6.1 or higher. .NET Framework 4.6.1 is provided with the Adept distribution but must be installed manually before installing the Adept Desktop Client
Memory	
2D / 3D CAD workstation	CAD software manufacturer's workstation requirements or greater
Storage	1.5 GB free disk space for installation (installed product is under 1.0 GB)
Display	CAD software manufacturer's workstation requirements or greater

† Adept's CAD integration support in Windows 10 is limited to those CAD applications that have stated Windows 10 support.

ADEPT WEB CLIENT WORKSTATION HARDWARE AND SOFTWARE REQUIREMENTS

Following are the system requirements for the Adept Web Client end user workstation.

Processor	
Viewing workstation	Pentium® IV 1 GHz or greater
Supported Operating Systems	
Adept Explorer, Adept Reviewer	Windows 7 32/64-bit editions, Windows 8.1 32/64-bit editions, Windows 10 32/64-bit editions.
Adept Creator	Windows 7 64-bit editions, Windows 8.1 64-bit editions, Windows 10 64-bit editions.
Internet Explorer 11, Edge, Firefox, or Chrome	Required: With latest service packs and hot fixes installed.
Microsoft .NET Framework	Required: .NET Framework 4.6.1 or higher. .NET Framework 4.6.1 is provided with the Adept distribution but must be installed manually if needed.
Tablet	iOS 9 or greater, iPad Air 2 or greater
Java Runtime Engine ‡	Java SE (JRE) 8 Update 66 — 32-bit and higher NOTE: Java SE (JRE) 8 64-bit is not required and will not affect viewing if installed
Memory	4 GB or greater
Storage	1.5 GB free disk space for installation (installed product is under 1.0 GB)
Display	1280 x 1024 or greater

‡ Shown are the last tested versions. Newer versions may or may not be supported.

Adept Web Client Browser Support for Launching Third Party Viewers

ADEPT WEB CLIENT SUPPORT FOR LAUNCHING THIRD PARTY VIEWERS

Adept Web Client allows the default application installed on the workstation to act as the viewer for specified file types. For example, using this option for PDF files will cause PDF documents to be opened using the locally installed PDF reader, most commonly Adobe Reader.

ADEPT DESKTOP CLIENT WORKSTATION AND USER RIGHTS REQUIREMENTS AND CONSIDERATIONS:

Installation:

To install Adept, you must log in to the workstation with Local Administrator rights.

Updates:

To update Adept, you must log in to the workstation with local administrator rights. When running Adept on a workstation with less than Local Administrator rights, turn off the automatic Adept Update feature, as it will not function properly. In this instance, updates to Adept will need to be pushed by the network administrator using Local Administrator rights.

Runtime:

The first time you run Adept, log in to the workstation with Local Admin Rights. You can also run Adept when logged in as a member of the Domain User Group as long as your account has been modified to include Modify rights to the following areas:

- Adept Support folder (i.e., C:\AdeptSupport)
- Adept installation folder (i.e., C:\Program Files\Synergis) on the local workstation
- Registry key: HKEY_CURRENT_USER\SOFTWARE\Synergis
Note: This Registry key and values below it store the Adept Data Source information required for user login

Work Areas:

Users need read/write/create/delete rights to locations where Adept Work Areas and the Adept Support folder are located. Typically, the Adept Support folder is located on the C drive and the Adept Work Areas are located on either the network or the local drive.

ADEPT DESKTOP CAD AND OFFICE APPLICATION INTEGRATION

Adept supports management of all PC based files, including searching, revision control, audit trail, workflow capabilities and more. In addition, Adept has tight integration with many mainstream CAD and Office applications.

Adept 2018 integration with CAD and MS Office applications varies depending on the application and version level. The types of support are:

- 1) Extract properties, tags, or attributes from documents
- 2) Update properties, tags, or attributes to documents
- 3) Extract Relationships from the parent file to point to externally referenced parts, subassemblies and Xrefs
- 4) Complete Integration: Extract as well as Update Properties and Relationships. Provide Adept access (commands, menus, buttons, and/or task pane) inside the application

All types of support include Adept viewer support unless specifically noted below.

Following is a list of the current applications that Adept supports and their respective degrees of integration:

APPLICATIONS INTEGRATED WITH ADEPT 2018

AutoCAD 2004 – 2018	Complete Integration (task pane in 2012 and later)
AutoCAD Electrical 2010 – 2018	Complete Integration (task pane in 2012 and later)
AutoCAD Mechanical 2010 – 2018	Complete Integration (task pane in 2012 and later)
AutoCAD 2000 – 2003	Only Extract/Update Attributes, Extract Thumbnails and Extract Relationships
Autodesk Inventor 2016 – 2018	Complete Integration
Autodesk Inventor 5.3 – 2015	Only Extract/Update Properties, Extract Thumbnails and Extract Relationships
Autodesk Navisworks Manage 2016 - 2018 Autodesk Navisworks Simulate 2016 - 2018	Complete Integration (Viewing requires Navisworks Freedom to be installed)
SOLIDWORKS 2016 – 2018	Complete Integration †
SOLIDWORKS 95 – 2015	Only Extract/Update Properties, Extract Thumbnails and Extract Relationships
MicroStation V8 (V8xm, V8i)	Only Extract/Update Tags, Extract Thumbnails and Extract Relationships
Kubotek KeyCreator 2016 (v14.5) 64 bit – 2017 (v15) 64-bit	Only Extract File and Part Properties, Extract Thumbnails and Extract Relationships, Update Part Properties (Viewing requires Spectrum to be installed)
Microsoft Excel 2003 – 2016 32/64-bit Microsoft Word 2003 – 2016 32/64-bit	Extract and Update Properties
Microsoft Excel, Microsoft Word (versions prior to 2003)	Only Extract Properties
Microsoft Outlook 2003-2016 32/64-bit	The Outlook To Adept plug-in supports the 64-bit version of Outlook.

† Adept's Integration for SOLIDWORKS 2018 is the WebAPI-based integration whereas all other CAD integrations rely on and utilize an active Adept Desktop Client session

ADEPT NOTICE: DISCONTINUED SUPPORT FOR ADEPT 2018:

Adept Desktop Client:

- 32 bit operating system support for the Adept Desktop Client has been discontinued.

ADEPT NOTICE: PLANNED DISCONTINUED SUPPORT FOR ADEPT 2019:

For the Adept Server and all Server-Related Components:

- Windows Server 2008 R2 64 bit edition operating system
- Microsoft SQL Server 2008 R2 64 bit software

Adept Web Server and all Web Server-Related Components

- Windows Server 2008 R2 64 bit edition operating system
- Internet Explorer (all versions)

Adept SQL Database Engine Components:

- Oracle Database (all versions)

ADEPT QUALIFIED SOFTWARE

Adept works with a variety of software and applications including database engines, email systems, FTP servers, and operating systems. Adept has been tested and qualified using specific versions and components most commonly used by our clients. Consequently, we are able to verify that Adept works with these components. It is not possible, however, to test and qualify every possible version, brand, type or combination of components that clients may use. Typically, when clients implement Adept in an environment that contains an untested component, they find Adept works correctly-- but not always. If incompatibilities are found, please bring them to our attention. At our discretion, we may make an effort to get Adept running with that component, or we may recommend that a supported component be installed and used instead.

If you have any question about whether a particular component has been qualified with Adept, please contact Adept Helpdesk at adeptsupport@synergis.com or 215.302.3000/800.836.5440.