

# Autodesk AutoCAD MAP 3D 2017

Hardware and Software Requirements	
<b>Operating System</b>	<ul style="list-style-type: none"> <li>• Microsoft® Windows® 10</li> <li>• Microsoft Windows 8.1 with Update <a href="#">KB2919355</a></li> <li>• Microsoft Windows 7 SP1</li> </ul>
<b>Browser</b>	Internet Explorer® 9.0 or later
<b>Processor</b>	Intel Pentium® 4 or AMD Athlon® 64 processor.
<b>Memory</b>	8 GB RAM (minimum) 16 GB RAM (recommended)
<b>Display Resolution</b>	1360x768 (1600x1050 or higher recommended) with True Color. 125% Desktop Scaling (120 DPI) or less recommended.
<b>Hard Disk</b>	16 GB for installation (downloaded file)
<b>Pointing Device</b>	MS-Mouse compliant
<b>Media</b>	Download and Installation from DVD
<b>.NET Framework</b>	.NET Framework Version 4.6
<b>Additional requirements for Large Datasets, Point Clouds and 3D Modeling</b>	16 GB RAM or more. 20 GB free hard disk available not including installation requirements. 1600x1050 or greater True color video display adapter; 128 MB VRAM or greater, Pixel Shader 3.0 or greater, Direct3D® capable workstation class graphics card.
<b>Optional Software</b>	Citrix XenApp® 7.6, Citrix XenDesktop™ 7.6
<b>Optional for Industry Models</b>	SAP® Crystal Reports runtime engine for .NET Framework 4.0
<b>Network</b>	<p>Deployment via Deployment Wizard.</p> <p>The license server and all workstations that will run applications dependent on network licensing must run TCP/IP protocol.</p> <p>Either Microsoft® or Novell TCP/IP protocol stacks are acceptable. Primary login on workstations may be Netware or Windows.</p> <p>In addition to operating systems supported for the application, the license server will run on the Windows Server® 2012, Windows Server 2012 R2, Windows Server 2008, Windows 2008 R2 Server editions.</p>

An instance of Oracle is optional for some products.

Optional: Database		
<b>Oracle Database Specifications - Server</b>	Oracle 11g R2 (11.2.0.4.0) Standard Edition, Enterprise Edition	Enterprise Editions of Oracle 11g and Oracle 12c are required to support jobs and long transactions.
	Oracle 12cR1 (12.1.0.1.0) Standard Edition, Enterprise Edition	Oracle 11g and Spatial or Oracle 12c and Spatial are required to support 3D.
	Oracle 12cR1 (12.1.0.2.0) Standard Edition, Enterprise Edition	Microsoft Windows Server 2008 R2 requires Oracle 11g R2.
<b>Oracle Database Specifications - Client</b>	Oracle Database 11g Client Release 2 (11.2.0.4.0) Administrator (Not Instant or Run-time)	Microsoft Windows 7 and 8.1 require an Oracle 11g R2 Client or Oracle 12cR1 Client
	Oracle Database 12c Client Release 1 (12.1.0.1.0 and 12.1.0.2.0 ) Administrator (Not Instant or Run-time)	

During the installation and configuration of your products, you must connect to the database. Make sure your administrator provides the following settings and passwords:

- Oracle user with rights on SYS.DBMS\_RLS and DBA rights (default "SYS AS SYSDBA"). Default = **SYS**
- Oracle system user: Default = **SYSTEM**
- Service name: Default = **ORCL**
- Spatial system user MDSYS (unlocked: we recommend that you unlock MDSYS through the Industry Model Setup after you have installed the Infrastructure Administrator).
- Tablespace defaults: Tablespace: USERS, Temporary tablespace: TEMP, and Index.

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FDO Provider Requirements		
FDO Provider	Certified with	Notes
<b>Microsoft SQL Server</b>	Microsoft® SQL Server® 2008 R2 Standard and Enterprise Editions;  Microsoft SQL Server 2012 Standard and Enterprise	Industry Models also support the versions of Microsoft SQL Server listed on the left.

FDO Provider Requirements		
FDO Provider	Certified with	Notes
	Editions;  Microsoft SQL Server 2014 Standard and Enterprise Editions	
<b>Oracle 11g Release 2</b>	Oracle 11.2.0.4.0  Oracle Standard, and Enterprise Editions	Industry Models support Standard and Enterprise Editions of this Oracle version.
<b>Oracle 12c Release 1</b>	Oracle 12.1.0.1.0 Oracle 12.1.0.2.0  Standard Edition and Enterprise Edition	Industry Models support Standard and Enterprise Editions of this Oracle version.
<b>Raster</b>	DEM, JPG2K, DTED, MrSID, ECW, PNG, ESRI Grid, TIFF, JPEG, ESRI ASCII	Not supported on Linux
<b>Autodesk SDF</b>	3.0	
<b>ESRI ArcSDE</b>	ArcSDE® 9.3 SP1 ArcSDE 10.2	This Provider requires ESRI® licensed components to be installed on client system. Required components depend on the type of connection (SDE Service or Direct Connect).
<b>ESRI ArcGIS</b>	ArcGIS 10.3 ArcGIS 10.2	This Provider requires ESRI licensed components to be installed on client system.
<b>MySQL</b>	5.7	
<b>ODBC</b>	The FDO ODBC provider has been tested with corresponding versions of ODBC drivers that are shipped with the relevant supported operating systems version.	
<b>OGC WMS</b>	WMS 1.3.0	
<b>OGC WFS</b>	WFS 1.1.0	
<b>SQLite</b>	SQLite 3.6	
<b>PostgreSQL</b>	PostgreSQL 9.2 + PostGIS 2.0	

ODBC Drivers	Tested Versions
<b>Microsoft® Access® Driver</b> (*.mdb, *.accdb)	Microsoft Access database engine 2010 (English) 14.00.4760.1000
<b>Microsoft® Excel® Driver</b> (*.xls, *.xlsx, *.xlsm, *.xlsb)	Microsoft Access database engine 2010(English) 14.00.4760.1000
<b>MySQL® ODBC 5.3 Driver</b>	5.03.04.00
<b>SQL Server®</b>	10.00.10240.16384
<b>Oracle® in OraClient12Home1</b>	12.01.00.01

**Note:** Adobe® Flash® Player is not installed by default. If a version of Flash is not currently installed on your system, a message is displayed requesting that you install it. Flash Player can be installed from the product media or Adobe's website - [www.adobe.com](http://www.adobe.com) .

## System Requirements (Citrix)

The following tables outline the system requirements for Citrix XenApp®, administrative image, license server, and client devices.

Hardware and Software Requirements for the location of the Administrative Image		
Hardware / Software	Requirement	Notes
Hard Disk	8 GB	The location where you create the administrative image must be a shared location so that all users can access the administrative image.

Hardware and Software Requirements for Citrix XenApp		
Hardware / Software	Requirement	Notes
Operating System	Microsoft Windows Server 2008 R2 (Enterprise Edition) 64-bit  Windows Server 2012 R2	Citrix XenApp does not support installation on Windows domain controllers.
Hardware		For information about system sizing, optimization, configuration, and deployment scenarios, see the Advanced Concepts Guide for Citrix XenApp. This guide is available from the Support area of the Citrix Web site at <a href="http://support.citrix.com">http://support.citrix.com</a> .

Hardware and Software Requirements for the Client Devices		
Hardware / Software	Requirement	Notes
Access Hardware and Software	Any computing appliance capable of executing a Citrix Presentation Server Client and a Web browser, including desktop PCs,	The Web Interface supports many browser/client combinations. For a complete list of supported browser/client combinations, see "Citrix XenAppClient Device Requirements" in the Web Interface Administrator's Guide.

## Hardware and Software Requirements for the Client Devices

Hardware / Software	Requirement	Notes
	network computers, and mobile devices.	
<b>Operating System</b>	Any compatible Citrix XenApp client Operating System.	See "Deploying the Web Interface - System Requirements" in the Web Interface Administrator's Guide.
<b>Web Browser</b>	A compatible Presentation Server client Web browser.	See "Deploying the Web Interface - System Requirements" in the Web Interface Administrator's Guide.
<b>Client Software</b>	A compatible Presentation server client (ICA)	For more information on available ICA clients, visit the Citrix Web site at <a href="http://support.citrix.com/product/ica">http://support.citrix.com/product/ica</a> .

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