

ArcGIS 10.2 for Desktop system requirements

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Supported platforms*

Operating Systems	Minimum OS Version	Maximum OS Version
Windows 8 Basic, Professional and Enterprise (32 bit and 64 bit [EM64T])		
Windows 7 Ultimate, Enterprise, Professional, Home Premium (32 bit and 64 bit [EM64T])		SP1
Windows Vista Ultimate, Enterprise, Business, Home Premium (32 bit and 64 bit [EM64T])	SP2	SP2
Windows XP Professional Edition, Home Edition (32 bit)	SP3	SP3
Windows XP Professional Edition, Home Edition (64 bit [EM64T])	SP2	SP2
Windows Server 2012 Standard, and Datacenter (64 bit [EM64T])		
Windows Server 2008 R2 Standard, Enterprise, and Datacenter (64 bit [EM64T])		SP1
Windows Server 2008 R2 with Citrix XenApp 6 and XenApp 6.5**	SP1	SP1
Windows Server 2008 Standard, Enterprise, and Datacenter (32 bit and 64 bit [EM64T])	SP2	SP2
Windows Server 2003 Standard, Enterprise, and Datacenter (32 bit and 64 bit [EM64T])	SP2	SP2
Windows Server 2003 Terminal Services	SP2	SP2

* See the Operating system requirements and limitations section for additional requirements and information.

**ArcGIS 10.2 as a hosted application with Citrix XenApp 6 and XenApp 6.5 with Windows 2008 R2 using the Citrix ICA Online Plug-in for Windows 13.1. For additional information regarding deploying ArcGIS and Citrix XenApp, see the Best practices for running ArcGIS for

Desktop in a Citrix XenApp environment knowledge base article.

Hardware requirements

	Advanced, Basic, Standard
CPU Speed	2.2 GHz minimum ; Hyper-threading (HHT) or Multi-core recommended
Processor	Intel Pentium 4, Intel Core Duo, or Xeon Processors; SSE2 minimum Run this Microsoft utility from your Windows command prompt to check your processor. See Dual or dual-core support policy.
Memory/RAM	2 GB minimum
Display properties	24-bit color depth
Screen resolution	1024 x 768 recommended minimum at normal size (96 dpi)
Swap space	Determined by the operating system; 500 MB minimum.
Disk space	2.4 GB In addition, up to 50 MB of disk space may be needed in the Windows System directory (typically, C:\Windows\System32). You can view the disk space requirement for each of the 10.1 components in the Setup program. If using ArcGlobe, additional disk space may be required. ArcGlobe will create cache files when used.
Video/Graphics adaptor	Check your computer's ability to run ArcGIS. 64 MB RAM minimum, 256 MB RAM or higher recommended. NVIDIA, ATI, and Intel chipsets supported. 24-bit capable graphics accelerator OpenGL version 2.0 runtime minimum is required, and Shader Model 3.0 or higher is recommended. Be sure to use the latest available driver.
Networking Hardware	Simple TCP/IP, Network Card, or Microsoft Loopback Adapter is required for the license manager.

Software requirements

- .NET Framework 3.5 SP1 must be installed prior to installing ArcGIS for Desktop.
- Internet Explorer requirement:
ArcGIS for Desktop requires a minimum installation of Microsoft Internet Explorer 7 or 8. If you do not have an installation of Microsoft Internet Explorer 7 or 8, you must obtain and install it prior to installing ArcGIS for Desktop. Internet Explorer 9 and 10 are also supported.

- Python requirement for Geoprocessing:
ArcGIS for Desktop geoprocessing tools require that Python 2.7.x and Numerical Python 1.6.x are installed. If the ArcGIS for Desktop setup does not find either Python 2.7.x or Numerical Python (NumPy) 1.6.x installed on the target computer, Python 2.7.3 and Numerical Python 1.6.1 will be installed during a complete installation. You can choose a Custom installation to unselect the Python feature and avoid installing it. Additionally, if the Python setup is executed during the ArcGIS for Desktop installation, you will be provided with the opportunity to choose its installation location. The Python installation location should not include spaces.

Printer support

ArcGIS supports printing to any Microsoft certified Windows printer using the native driver in ArcGIS. Note that some printer drivers do not support complex maps, and the ArcPress printer driver or additional hardware may be needed for these complex maps.

 **Note:** Esri recommends the following configuration when printing large maps with the ArcPress printer drivers:

- If large complex maps do not print, reboot the computer to ensure the pagefile system is cleared. If the pagefile system is not a dedicated drive or partition, make sure the drive does not need to be defragmented.
- Disk Space: at least 10 GB of free space is required on the drive where %TEMP% is located, as potentially large temporary files will be written there while ArcPress is processing a map for printing.

For more information on supported printers, refer to the following Knowledge Base FAQ: [What printers are supported by ArcGIS for Desktop?](#)

Software required to connect to a DBMS

Your client machine (for example, the one running ArcMap) will need to have the appropriate client files installed for the RDBMS you are using. These client files are available from their respective RDBMS vendors, but they are also available on Esri Customer Care Portal as a convenience. See Database clients for more information. RDBMS client files available from the customer care portal are IBM DB2, IBM Informix, Oracle, PostgreSQL, and Microsoft SQL Server. Client files for IBM Netezza and Teradata are not available on the customer care portal and must be obtained from the IBM and Teradata support sites.

License manager system requirements

Hardware requirements for the license manager are identical to ArcGIS for Desktop hardware requirements.

ArcGIS License Manager supported platforms (Windows)

Operating Systems	Minimum Version	Maximum Version
Windows 8 Basic, Professional and Enterprise (32		

bit and 64 bit [EM64T])		
Windows 7 Ultimate, Enterprise, Professional, Home Premium (32 bit and 64 bit [EM64T])		SP1
Windows Vista Ultimate, Enterprise, Business, Home Premium (32 bit and 64 bit [EM64T])	SP2	SP2
Windows XP Professional Edition, Home Edition (32 bit)	SP3	SP3
Windows XP Professional Edition, Home Edition (64 bit [EM64T])	SP2	SP2
Windows Server 2012 Standard, and Datacenter (64 bit [EM64T])		
Windows Server 2008 R2 Standard, Enterprise, and Datacenter (64 bit [EM64T])		SP1
Windows Server 2008 Standard, Enterprise, and Datacenter (32 bit and 64 bit [EM64T])	SP2	SP2
Windows Server 2003 Standard, Enterprise, and Datacenter (32 bit and 64 bit [EM64T])	SP2	SP2

ArcGIS License Manager supported platforms (Linux/UNIX)

Operating Systems	Minimum Version	Maximum Version
Red Hat Enterprise Linux Server 5 (32 bit and 64 bit)	Update 7 or higher with libX11-1.0.3-11 patch	
Red Hat Enterprise Linux Server 6 (32 bit and 64 bit)*	Update 1	
Sun Solaris 10 (64 bit [SPARC])*	Maintenance update 4 (8/07)	
SUSE Linux Enterprise Server 11 (32 bit and 64 bit)*	SP1	

*OpenGL is required to run the License Server Administrator and the **Software Authorization Wizard** on these systems.

Developer SDK requirements

ArcGIS for Desktop SDK	Supported and Recommended IDE(s)	SDK Requirements
ArcGIS VBA Resources for Developers	Visual Basic for Applications	ArcGIS for Desktop is required to develop with ArcGIS VBA Resources for Developers. Microsoft .NET Framework 3.5 Service Pack 1

ArcObjects SDK	ArcObjects SDK requirements	
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Operating system requirements and limitations

All platforms

Windows

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<http://resources.arcgis.com/en/help/system-requirements/10.2/0151/0151000000200000.htm>