

# ArcGIS Desktop (ArcInfo, ArcEditor, ArcView) 9.3/9.3.1 System Requirements

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## Supported Operating Systems

Supported Operating System	Minimum Version	Maximum Version	Limitations
Windows 2003 (32-bit) Server Standard, Enterprise, Datacenter	SP1	SP2	
Windows 2003 (64-bit (EM64T)) Server Standard, Enterprise, Datacenter	SP1	SP2	<a href="#">64-bit processors support</a> 
Windows 2003 Server Terminal Services	SP1	SP2	<a href="#">Support for Windows Terminal Server (WTS) and Citrix MetaFrame</a> 
Windows 2008 (32-bit) Server Standard, Enterprise, Datacenter		SP2	
Windows 2008 (64-bit (EM64T)) Server Standard, Enterprise, Datacenter		SP2	<a href="#">64-bit processors support</a> 
Windows 2008 R2 (64-bit (EM64T)) Server Standard, Enterprise, Datacenter			<a href="#">64-bit processors support</a> 
Windows 7 (32-bit) Ultimate, Enterprise, Professional, Home Premium			<a href="#">Windows 7 limitation</a> 
Windows 7 (64-bit (EM64T)) Ultimate, Enterprise, Professional, Home Premium			<a href="#">Windows 7 limitation</a> 
Windows Vista (32-bit) Ultimate, Enterprise, Business, Home Premium	SP2	SP2	
Windows Vista (64-bit (EM64T)) Ultimate, Enterprise, Business, Home Premium	SP2	SP2	<a href="#">64-bit processors support</a> 

Windows XP (32-bit) Professional Edition, Home Edition	SP3	SP3	<a href="#">Windows XP SP2, SP3 Limitations</a>
Windows XP (64-bit (EM64T)) Professional Edition, Home Edition	SP2	SP3	<a href="#">Windows XP SP2 &amp; SP3 Limitations</a> <a href="#">64-bit processors support</a>

## Hardware Requirements

### ArcInfo, ArcView, ArcEditor

<b>CPU Speed</b>	1.6 GHz recommended or higher
<b>Processor</b>	Intel Core Duo, Pentium 4 or Xeon Processors See <a href="#">Dual or dual-core support policy</a>
<b>Memory/RAM</b>	1 GB minimum, 2 GB recommended or higher If using the ArcSDE Personal Edition for Microsoft SQL Server Express software, 2 GB of RAM is required.
<b>Display Properties</b>	24 bit color depth
<b>Screen Resolution</b>	1024 x 768 recommended or higher at Normal size (96dpi)
<b>Swap Space</b>	Determined by the operating system, 500 MB minimum. 3.2 GB
<b>Disk Space</b>	In addition, up to 50 MB of disk space maybe needed in the Windows System directory (typically C:\Windows\System32). You can view the disk space requirement for each of the 9.3 components in the Setup program.  If using ArcGlobe (as part of 3D Analyst), additional disk space may be required. ArcGlobe will create cache files when used. <a href="#">Check your computer's ability to run ArcGIS 3D Analyst - ArcGlobe</a>
<b>Video/Graphics Adapter</b>	24-bit capable graphics accelerator  An OpenGL 1.3 or higher compliant video card is required, with at least 32 MB of video memory, however 64 MB of video memory or higher is recommended.
<b>Networking Hardware</b>	Simple TCP/IP, Network Card or Microsoft Loopback Adapter is required for the License Manager.
<b>Media Player</b>	DVD-ROM drive is required to install the application.

## Software Requirements

- [.NET Framework 2.0 Requirement](#)

- **Internet Explorer Requirement:**
  - Some features of ArcGIS Desktop require a minimum installation of Microsoft Internet Explorer Version 7.0 or 8.0. If you do not have an installation of Microsoft Internet Explorer Version 7.0/8.0, you must obtain and install it prior to installing ArcGIS Desktop.
- **Python Requirement for Geoprocessing:**

Several ArcGIS geoprocessing tools, such as Multiple Ring Buffer, use the Python scripting language and require that Python is installed. If the ArcGIS Desktop, Engine or Server setups do not find Python 2.5.1 on the target computer, it will install Python 2.5.1 plus Numerical Python 1.0.3 during a typical or complete installation. You may choose a Custom installation to unselect the Python feature to avoid installing this feature. See the install guide for additional information concerning Python.
- **Microsoft WinHelp patch for Windows 7 and Windows Vista:**

The following Microsoft patch is recommended, but not required, when using ArcGIS Desktop, ArcInfo Workstation, ArcGIS Engine or ArcReader on Microsoft Vista or Windows 7. ArcGIS Desktop, ArcInfo Workstation, ArcGIS Engine and ArcReader provide pop-up context sensitive help topics for tools, commands and dialogs delivered using WinHlp32. WinHlp32 won't function on Windows 7 and Windows Vista without this patch. Here is Microsoft KnowledgeBase article [917607](#) about this patch, which also contains links so you can download the patch. If you access pop-up context sensitive help without this patch being present, you'll get a message from Windows prompting you to download the patch. For best usability we recommend installing the patch at the time you install ArcGIS. For additional information, please refer to ESRI KnowledgeBase article [32530](#).

## Printer Support

ArcGIS supports printing to any Microsoft certified Windows printer using the native driver in ArcGIS. Please 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.

- **ESRI recommends the following configuration when printing large maps with the ArcPress printer drivers:**
  - Pagefile system size of 4096 MB is recommended. ArcPress depends on being able to acquire potentially large contiguous blocks of memory to process a map. The windows limit is 2048 MB and by having a pagefile.sys file of at least twice that size helps ensure that other applications running and using the pagefile system will not introduce an unexpected limit for the ArcPress printer driver.
  - Pagefile system should be stored on a dedicated partition or, if possible, a dedicated drive. This will prevent the file from becoming fragmented and diminishing ArcPress's ability to acquire contiguous blocks of memory.

- If large complex maps do not print, then reboot the computer to ensure the pagefile system is cleared. If the pagefile system is not a dedicated drive or partition, make sure that 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.

## Developer Solutions (SDK) Requirements

ArcGIS Desktop SDK	Supported and Recommended IDE(s)	Requirements
ArcGIS VBA Resources for Developers	<ul style="list-style-type: none"> <li>• Visual Basic for Applications</li> </ul>	
ArcGIS Desktop SDK for Visual Basic 6	<ul style="list-style-type: none"> <li>• Visual Basic 6 SP3 or later</li> <li>• Microsoft Visual Studio 2005 (C++) Standard, Professional, or Team Editions               <ul style="list-style-type: none"> <li>○ <i>NOTE:</i> For Vista, Visual Studio 2005 Service Pack 1 with Visual Studio 2005 Service Pack 1 Update for Windows Vista is required.</li> </ul> </li> </ul>	<a href="#">.NET Framework 2.0 Requirement</a>
ArcGIS Desktop SDK for Visual C++	<ul style="list-style-type: none"> <li>• Microsoft Visual Studio 2008 (C++) Standard, Professional, or Team Editions (with or without Service Pack 1)</li> <li>• Microsoft Visual Studio 2005 Visual Basic Express</li> <li>• Microsoft Visual Studio 2005 Visual C# Express</li> <li>• Microsoft Visual Studio 2005 (C#, VB.NET) Standard, Professional, Team Editions</li> </ul>	<a href="#">.NET Framework 2.0 Requirement</a>
ArcGIS Desktop SDK for the Microsoft .NET Framework	<ul style="list-style-type: none"> <li>○ <i>NOTE:</i> For Vista, Visual Studio 2005 Service Pack 1 with Visual Studio 2005 Service Pack 1 Update for Windows Vista is required.</li> <li>• Microsoft Visual Studio 2008 Visual Basic Express (with or without Service Pack 1)</li> <li>• Microsoft Visual Studio 2008 Visual C# Express (with or without Service Pack 1)</li> </ul>	<a href="#">.NET Framework 2.0 Requirement</a>

- Microsoft Visual Studio 2008 (C#, VB.NET)  
Standard, Professional, Team Editions (with or  
without Service Pack 1)