

ArcGIS Engine Runtime 9.1 System Requirements

This PDF contains system requirements information, including hardware requirements, best performance configurations, and limitations, for ArcGIS Engine Runtime 9.1.

- [Linux-Intel Red Hat Enterprise Linux AS/ES/WS 3.0](#)
- [Linux-Intel SUSE Linux Enterprise Server 9](#)
- [PC-Intel Windows 2000 Professional](#)
- [PC-Intel Windows XP Professional Edition, Home Edition](#)
- [Sun Solaris 10 \(SPARC\)](#)
- [Sun Solaris 8 \(SPARC\)](#)
- [Sun Solaris 9 \(SPARC\)](#)

ArcGIS Engine Runtime 9.1 on Linux-Intel Red Hat Enterprise Linux AS/ES/WS 3.0

<i>Product:</i>	ArcGIS Engine Runtime 9.1
<i>Platform:</i>	Linux-Intel
<i>Operating System:</i>	Red Hat Enterprise Linux AS/ES/WS 3.0
<i>Service Packs/Patches:</i>	Update 2 or higher
<i>Shipping/Release Date:</i>	May 18, 2005

Hardware Requirements

CPU Speed:

1.0 GHz recommended or higher

Memory/RAM:

512 MB minimum, 1 GB recommended or higher

Display Properties:

24 bit color depth

Screen Resolution:

1024 x 768 recommended or higher at Normal size (96dpi)

Swap Space:

256 MB minimum, 512 MB recommended
(Swap Space is minimum required for a single user.)

Window System:

X-Windows/Common Desktop Environment

Disk Space:

Typical - 571 MB, Complete - 609 MB

Architecture:

x86 architecture (32-bit)

Notes:

Additional Requirements:

- Red Hat Linux AS/ES/WS 3.0 Kernel version 2.4.21 or higher
- X-Windows/Common Desktop Environment
- 24-bit color depth enabled
- J2SDK 1.4.2_06 for Java development
- OpenGL XFree86-Mesa-libGL, version 4.2.0-8 (Red Hat distribution contains the XFree86 package which emulates OpenGL.)
- GNU C Library (glibc) version 2.3.2

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: [System Design Strategies](#).

Limitations

Platform: Limitations for Red Hat Linux AS/ES/WS 3.0

- not supported if the operating system (binary) has been modified
- not supported on a developer's release of the operating system
- Linux patches from RHEL AS/ES/WS will be supported as long as the patches are from Red Hat without any modification to the latest kernel/glibc version.

ArcGIS Engine Runtime 9.1 on Linux-Intel SUSE Linux Enterprise Server 9

<i>Product:</i>	ArcGIS Engine Runtime 9.1
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<i>Platform:</i>	Linux-Intel
<i>Operating System:</i>	SUSE Linux Enterprise Server 9
<i>Shipping/Release Date:</i>	May 18, 2005

Hardware Requirements

Processor:

1.0 GHz recommended or higher

Memory/RAM:

512 MB minimum, 1 GB recommended or higher

Display Properties:

24 bit color depth

Screen Resolution:

1024 x 768 recommended or higher at Normal size (96dpi)

Swap Space:

256 MB minimum, 512 MB recommended
(Swap Space is minimum required for a single user.)

Window System:

X-Windows/Common Desktop Environment

Disk Space:

Typical - 571 MB, Complete - 609 MB

Architecture:

x86 architecture (32-bit)

Notes:

Additional Requirements:

- SUSE 9 Kernel version 2.6.5 or higher
- X-Windows/Common Desktop Environment
- 24-bit color depth enabled
- J2SDK 1.4.2_06 for Java development
- OpenGL XFree86-Mesa version 4.3.99
- GNU C Library (glibc) version 2.3.3

- Xvfb (This is a hardware-independent Xserver, which can be installed from XFree86-Xvfb-4.3.99.902-43.22.i586.rpm that comes with SuSE 9 install CD.)

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: [System Design Strategies](#).

Limitations

Platform: Limitations for SUSE Linux Enterprise Server 9

- not supported if the operating system (binary) has been modified
- not supported on a developer's release of an operating system
- The linux patches from SUSE will be supported as long as the patches are from SUSE without any modification to the latest kernel/glibc version.

ArcGIS Engine Runtime 9.1 on PC-Intel Windows 2000 Professional

<i>Product:</i>	ArcGIS Engine Runtime 9.1
<i>Platform:</i>	PC-Intel
<i>Operating System:</i>	Windows 2000 Professional
<i>Service Packs/Patches:</i>	SP 4
<i>Shipping/Release Date:</i>	May 18, 2005

Hardware Requirements

CPU Speed:

1.0 GHz recommended or higher

Processor:

Intel Pentium or Intel Xeon Processors

Memory/RAM:

512 MB minimum, 1 GB recommended or higher

Display Properties:

24 bit color depth

Screen Resolution:

1024 x 768 recommended or higher at Normal size (96dpi)

Swap Space:

300 MB minimum

Disk Space:

Typical 275 MB NTFS, Complete 350 MB NTFS

Disk Space Requirements:

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 9.1 components in the Setup program.

Notes:

OPERATING SYSTEM REQUIREMENTS

Internet Explorer Requirements

- Some features of ArcGIS Engine Runtime 9.1 require a minimum installation of Microsoft Internet Explorer Version 6.0 or 7.0. If you do not have an installation of Microsoft Internet Explorer Version 6.0/7.0, you must obtain and install it prior to installing ArcGIS Engine Runtime. (Please also see [IE7 Limitations](#))

Additional Software and Development Requirements

-.Net Framework 1.1 or 1.1 Service Pack 1 is required to install the .NET features of ArcGIS Engine Runtime.

Additional Requirements for 3D Engine Runtime extension:

- CPU Speed: 1.5 GHz recommended or higher.
- Video Card: An OpenGL 1.2 or above compliant video card is required, with at least 32 MB of video memory, however 64 MB of video memory is recommended.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: [System Design Strategies](#).

Limitations

Platform: IE7 Limitations

You cannot see inset maps in the directions window until you right-click on the box with the red X to bring up the context menu and then click on "Show Picture."

ArcGIS Engine Runtime 9.1 on PC-Intel Windows XP Professional Edition, Home Edition

<i>Product:</i>	ArcGIS Engine Runtime 9.1
<i>Platform:</i>	PC-Intel
<i>Operating System:</i>	Windows XP Professional Edition, Home Edition
<i>Service Packs/Patches:</i>	SP 1 SP2 (refer to Limitations)
<i>Shipping/Release Date:</i>	May 18, 2005

Hardware Requirements

CPU Speed:

1.0 GHz recommended or higher

Processor:

Intel Pentium or Intel Xeon Processors

Memory/RAM:

512 MB minimum, 1 GB recommended or higher

Display Properties:

24 bit color depth

Screen Resolution:

1024 x 768 recommended or higher at Normal size (96dpi)

Swap Space:

300 MB minimum

Disk Space:

Typical 275 MB NTFS, Complete 350 MB NTFS

Disk Space Requirements:

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 9.1 components in the Setup program.

Notes:

OPERATING SYSTEM REQUIREMENTS

Internet Explorer Requirements

- Some features of ArcGIS Engine Runtime 9.1 require a minimum installation of Microsoft Internet Explorer Version 6.0 or 7.0. If you do not have an installation of Microsoft Internet Explorer Version 6.0/7.0, you must obtain and install it prior to installing ArcGIS Engine Runtime. (Please also see [IE7 Limitations](#))

Additional Software and Development Requirements

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Additional Requirements for 3D Engine Runtime extension:

- CPU Speed: 1.5 GHz recommended or higher.
- Video Card: An OpenGL 1.2 or above compliant video card is required, with at least 32 MB of video memory, however 64 MB of video memory is recommended.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: [System Design Strategies](#).

Limitations

Platform: ArcGIS Engine Runtime 9.1 on Windows XP is certified with limitations. -

Refer to ESRI Knowledge Base Article [FAQ:Issues with Windows XP Service Pack 2, Service Pack 3 and ArcGIS 9.x products](#) for details.

IE7 Limitations

You cannot see inset maps in the directions window until you right-click on the box with the red X to bring up the context menu and then click on "Show Picture."

ArcGIS Engine Runtime 9.1 on Sun Solaris 10 (SPARC)

<i>Product:</i>	ArcGIS Engine Runtime 9.1
<i>Platform:</i>	Sun
<i>Operating System:</i>	Solaris 10 (SPARC)
<i>Service Packs/Patches:</i>	(See Notes)
<i>Shipping/Release Date:</i>	May 18, 2005
<i>Hardware Certification Date:</i>	May 23, 2005

Hardware Requirements

CPU Speed:

1.0 GHz recommended or higher

Processor:

UltraSPARC II, Iii, Iie minimum

Memory/RAM:

512 MB minimum, 1 GB recommended or higher

Display Properties:

24 bit color depth

Screen Resolution:

1024 x 768 recommended or higher at Normal size (96dpi)

Window System:

X-Windows/Common Desktop Environment

Disk Space:

Typical - 678 MB Complete - 716 MB

Architecture:

Sun Solaris version 10

Notes:

When running in a 64-bit Solaris SPARC environment, ArcGIS Engine-related products operate as 32-bit applications.

The following patches are recommended for Solaris 10 installs:

Additional Requirements:

- X-Windows/Common Desktop Environment
- 24-bit capable graphics accelerator
- OpenGL version 1.3 runtime environment
- 113886-29 patch for OpenGL
- 113887-29 patch for OpenGL
- Forte 6 (Sun Workshop 6 Update 2) for C++ development
- J2SDK 1.4.2_06 for Java development

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: [System Design Strategies](#).

Limitations

Platform: Installing this product on the Solaris version 10 operating system will display a warning message,

"[product_name] Setup has detected that your system may not meet system requirements. If system requirements are not satisfied, [product_name] may not install correctly.

This error can safely be ignored. Verify that there are no other failure messages in the MWSysReq.log file.

Refer to ESRI Knowledge Base Article [Error: Installation of ESRI products show a status of FAILED when checking the system requirements on the Solaris 10 platform](#) for more information.

ArcGIS Engine Runtime 9.1 on Sun Solaris 8 (SPARC)

<i>Product:</i>	ArcGIS Engine Runtime 9.1
<i>Platform:</i>	Sun

<i>Operating System:</i>	Solaris 8 (SPARC)
<i>Service Packs/Patches:</i>	(See Limitation Notes)
<i>Shipping/Release Date:</i>	May 18, 2005

Hardware Requirements

CPU Speed:

1.0 GHz recommended or higher

Processor:

UltraSPARC II, IIi, IIe minimum

Memory/RAM:

512 MB minimum, 1 GB recommended or higher

Display Properties:

24 bit color depth

Screen Resolution:

1024 x 768 recommended or higher at Normal size (96dpi)

Window System:

X-Windows/Common Desktop Environment

Disk Space:

Typical - 678 MB Complete - 716 MB

Architecture:

Sun Solaris version 8

Notes:

When running in a 64-bit Solaris SPARC environment, ArcGIS Engine-related products operate as 32-bit applications.

The following patches are recommended for Solaris 8 installs:

- 108131-17(or later) OpenGL libraries bug fixes (32-bit)
- 108434-13 Shared library patch for C++ run-time
- 108576-26 Expert3D IFB graphics patch (only for Expert3D)
- 108606-31 M64 graphics Patch (only for M64 Graphics)

- 108652-83 X11 6.4.1: Xsun patch
- 109147-21(or higher) Linker patch
- 109147-27 Correct dynamic load and unload of shared libraries

The following patches are recommended for Forte/Developer Kit installs:

- 111678-07 Patch for Forte Developer 6 update 2, C++ F77, F95
- 111685-05 Patch for Forte Developer 6 update 2 C++ compiler
- 109607-01 /usr/include/iso/stdlib_iso.h patch

Additional Requirements:

- X-Windows/Common Desktop Environment
- 24-bit capable graphics accelerator
- OpenGL version 1.3 runtime environment
- Forte 6 (Sun Workshop 6 Update 2) for C++ development
- J2SDK 1.4.2_06 for Java development

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: [System Design Strategies](#).

Limitations

Platform: Limitations for Solaris 8 SunOS 5.8

The following patch revisions WILL NOT work with the C++ API:

- 109147-17
- 109147-18
- 109147-19
- 109147-20

ArcGIS Engine Runtime 9.1 on Sun Solaris 9 (SPARC)

<i>Product:</i>	ArcGIS Engine Runtime 9.1
<i>Platform:</i>	Sun
<i>Operating System:</i>	Solaris 9 (SPARC)
<i>Service Packs/Patches:</i>	(Details under Notes)
<i>Shipping/Release Date:</i>	May 18, 2005

Hardware Requirements

CPU Speed:

1.0 GHz recommended or higher

Processor:

UltraSPARC II, Ii, Iie minimum

Memory/RAM:

512 MB minimum, 1 GB recommended or higher

Display Properties:

24 bit color depth

Screen Resolution:

1024 x 768 recommended or higher at Normal size (96dpi)

Window System:

X-Windows/Common Desktop Environment

Disk Space:

Typical - 678 MB Complete - 716 MB

Architecture:

Sun Solaris version 9

Notes:

When running in a 64-bit Solaris SPARC environment, ArcGIS Engine-related products operate as 32-bit applications.

The following patches are recommended for Solaris 9 installs:

Solaris Maintenance Update 3

- 112785-43 X11 6.4.1: Xsun patct

Additional Requirements:

- X-Windows/Common Desktop Environment
- 24-bit capable graphics accelerator
- OpenGL version 1.3 runtime environment
- Forte 6 (Sun Workshop 6 Update 2) for C++ development
- J2SDK 1.4.2_06 for Java development

Best Performance Configuration

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