

ArcReader 9.1 System Requirements

This PDF contains system requirements information, including hardware requirements, best performance configurations, and limitations, for ArcReader 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 2003 Server
PC-Intel Windows 2003 Server Terminal Services
PC-Intel Windows XP Professional Edition, Home Edition
Sun Solaris 10 (SPARC)
Sun Solaris 9 (SPARC)
Sun Solaris 8 (SPARC)

ArcReader 9.1 on Linux-Intel Red Hat Enterprise Linux AS/ES/WS 3.0

Product:	ArcReader 9.1
Platform:	Linux-Intel
Operating System:	Red Hat Enterprise Linux AS/ES/WS 3.0
Service Packs/Patches:	Update 2 or higher See: Notes and Limitations
Shipping/Release Date:	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 - 504 MB, Complete - 519 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
- 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

Video Drivers:

- 24-bit color depth enabled
- Using hardware based graphics accelerators can improve dynamic 2D and 3D rendering performance, however all video cards may not work.

Printer Support:

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.

Best Performance Configuration

Screen Resolution:

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

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.

ArcReader 9.1 on Linux-Intel Red Hat Enterprise Linux AS/ES/WS 3.0

Product:	ArcReader 9.1
Platform:	Linux-Intel
Operating System:	Red Hat Enterprise Linux AS/ES/WS 3.0
Service Packs/Patches:	Update 2 or higher See: Notes and Limitations
Shipping/Release Date:	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 - 504 MB, Complete - 519 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
- 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

Video Drivers:

- 24-bit color depth enabled
- Using hardware based graphics accelerators can improve dynamic 2D and 3D rendering performance, however all video cards may not work.

Printer Support:

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.

Best Performance Configuration

Screen Resolution:

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

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.

ArcReader 9.1 on Linux-Intel SUSE Linux Enterprise Server 9

Product:	ArcReader 9.1
Platform:	Linux-Intel
Operating System:	SUSE Linux Enterprise Server 9
Service Packs/Patches:	See: Notes and Limitations
Shipping/Release Date:	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 - 504 MB, Complete - 519 MB

Architecture:

x86 architecture (32-bit)

Notes:

Additional Requirements:

- SUSE 9 Kernel version 2.6.5 or higher
- X-Windows/Common Desktop Environment

- 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, which comes with SUSE Linux Enterprise Server 9 install CD.)

Video Drivers:

- 24-bit color depth enabled
- Using hardware based graphics accelerators can improve dynamic 2D and 3D rendering performance, however all video cards may not work.

Printer Support:

ArcReader supports printing to any Microsoft certified Windows printer using the native driver in ArcGIS. Please note that some printer drivers do not support large complex maps.

Best Performance Configuration

Screen Resolution:

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

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 the operating system
- Linux patches will be supported as long as the patches are from SUSE Linux without modifications to the latest kernel/glibc version.

ArcReader 9.1 on PC-Intel Windows 2000 Professional

Product:	ArcReader 9.1
Platform:	PC-Intel
Operating System:	Windows 2000 Professional
Service Packs/Patches:	SP 4
Shipping/Release Date:	May 18, 2005

Hardware Requirements

CPU Speed:

1.0 GHz recommended or higher

Processor:

Intel Pentium or Intel Xeon Processors

Memory/RAM:

For viewing 2D map documents:

- 256 MB minimum, 512 MB recommended

For viewing 3D globe documents:

- 512 MB minimum, 1 GB recommended

Display Properties:

24 bit color depth

Screen Resolution:

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

Disk Space:

Typical 213 MB NTFS, Complete 225 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 ArcReader 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 Requirements:

- CPU Speed: 1.5 GHz recommended or higher.
- ArcReader will create cache files when used, additional disk space may be required for this and any other 3D data used.
- 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.

Printer Support:

ArcReader 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 Kb is recommended. ArcPress depends on being able to acquire potentially large contiguous blocks of memory to process a map. The windows limit is 2048 Kb and byhaving 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 lease 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.

Best Performance Configuration

Screen Resolution:

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

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."

ArcReader 9.1 on PC-Intel Windows 2003 Server Terminal Services

Product:	ArcReader 9.1
Platform:	PC-Intel
Operating System:	Windows 2003 Server Terminal Services
Service Packs/Patches:	Limitations (refer to Limitations)
Shipping/Release Date:	May 18, 2005

Hardware Requirements

CPU Speed:

1.0 GHz recommended or higher

Processor:

Intel Pentium or Intel Xeon Processors

Memory/RAM:

For viewing 2D map documents:

- 256 MB minimum, 512 MB recommended

For viewing 3D globe documents:

- 512 MB minimum, 1 GB recommended

Additional 256 MB per client instance recommended or higher.

Display Properties:

Thin Client with 24 bit color depth

Screen Resolution:

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

Swap Space:

300 MB minimum

Utilizing Windows Terminal Server technology may require additional MB, depending on the number of clients accessing the server.

Disk Space:

Typical 213 MB NTFS, Complete 225 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 Requirement:

- Some features of ArcReader 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 ArcReader. (Please also see [IE7 Limitations](#))

- Installation on an NTFS (New Technology File System) drive is strongly recommended.

Additional Requirements with ArcReader:

- CPU Speed: 1.5 GHz recommended or higher.

- ArcReader will create cache files when used, additional disk space may be required for this and any other 3D data used.

- 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.

Printer Support:

ArcReader 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 Kb is recommended. ArcPress depends on being able to acquire potentially large contiguous blocks of memory to process a map. The windows limit is 2048 Kb and byhaving 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.

Best Performance Configuration

Screen Resolution:

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

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: Terminal Services Configuration: ArcReader 9.1 on Windows Server 2003 Terminal Services is certified with limitations. - Refer to ESRI Knowledge Base Article [FAQ: Support for Windows Terminal Server \(WTS\) and Citrix MetaFrame](#) 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."

ArcReader 9.1 on PC-Intel Windows XP Professional Edition, Home Edition

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

Hardware Requirements

CPU Speed:

1.0 GHz recommended or higher

Processor:

Intel Pentium or Intel Xeon Processors

Memory/RAM:

For viewing 2D map documents:

- 256 MB minimum, 512 MB recommended

For viewing 3D globe documents:

- 512 MB minimum, 1 GB recommended

Display Properties:

24 bit color depth

Screen Resolution:

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

Disk Space:

Typical 213 MB NTFS, Complete 225 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 Requirement:

- Some features of ArcReader 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 ArcReader. (Please also see [IE7 Limitations](#))

- Installation on an NTFS (New Technology File System) drive is strongly recommended.

Additional Requirements with ArcReader:

- CPU Speed: 1.5 GHz recommended or higher.

- ArcReader will create cache files when used, additional disk space may be required for this and any other 3D data used.

- 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.

Printer Support:

ArcReader 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 Kb is recommended. ArcPress depends on being able to acquire potentially large contiguous blocks of memory to process a map. The windows limit is 2048 Kb 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.

Best Performance Configuration

Screen Resolution:

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

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: ArcReader 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."

ArcReader 9.1 on Sun Solaris 10 (SPARC)

Product:	ArcReader 9.1
Platform:	Sun
Operating System:	Solaris 10 (SPARC)
Service Packs/Patches:	Details under Notes and Limitations
Shipping/Release Date:	May 18, 2005

Hardware Requirements

CPU Speed:

1.0 GHz recommended or higher

Memory/RAM:

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 - 606 MB, Complete - 620 MB

Architecture:

Sun Solaris version 10 on SPARC

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 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 (CDE)
- Sun XVR-500 or better Graphics Accelerator
- 24-bit color depth enabled
- OpenGL version 1.3 runtime environment
- 113886-29 patch for OpenGL
- 113887-29 patch for OpenGL
- Forte 6 (Sun Workshop 6 Update 2) for Developer Kit

Desktop Control - Style Manager Behavior Settings:

- Point in Window to Make Active - off
- Click in Window to Make Active - on
- Raise Window When Made Active - off
- Allow Primary Windows On Top - off
- Show Contents During Move - off

Local User Environment Settings:

- setenv OPENWINHOME /usr/openwin
- setenv TMP /tmp
- limit descriptors 1024 (or higher)

Printer Support:

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.

Best Performance Configuration

Screen Resolution:

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

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.

ArcReader 9.1 on Sun Solaris 9 (SPARC)

Product:	ArcReader 9.1
Platform:	Sun
Operating System:	Solaris 9 (SPARC)
Service Packs/Patches:	(Details under Notes)
Shipping/Release Date:	May 18, 2005

Hardware Requirements

CPU Speed:

1.0 GHz recommended or higher

Memory/RAM:

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 - 606 MB, Complete - 620 MB

Architecture:

Sun Solaris version 9 on SPARC

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 patch

Additional Requirements:

- X-Windows/Common Desktop Environment (CDE)
- Sun XVR-500 or better Graphics Accelerator
- 24-bit color depth enabled
- OpenGL version 1.3 runtime environment
- Forte 6 (Sun Workshop 6 Update 2) for Developer Kit

Desktop Control - Style Manager Behavior Settings:

- Point in Window to Make Active - off
- Click in Window to Make Active - on
- Raise Window When Made Active - off
- Allow Primary Windows On Top - off
- Show Contents During Move - off

Local User Environment Settings:

- setenv OPENWINHOME /usr/openwin
- setenv TMP /tmp
- limit descriptors 1024 (or higher)

Printer Support:

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.

Best Performance Configuration

Screen Resolution:

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

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](#).

ArcReader 9.1 on Sun Solaris 8 (SPARC)

Product:	ArcReader 9.1
Platform:	Sun
Operating System:	Solaris 8 (SPARC)
Service Packs/Patches:	Details under Notes and Limitations
Shipping/Release Date:	May 18, 2005

Hardware Requirements

CPU Speed:

1.0 GHz recommended or higher

Memory/RAM:

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 - 606 MB, Complete - 620 MB

Architecture:

Sun Solaris version 8 on SPARC

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 (CDE)
- Sun XVR-500 or better Graphics Accelerator
- 24-bit color depth enabled
- OpenGL version 1.3 runtime environment
- Forte 6 (Sun Workshop 6 Update 2) for Developer Kit

Desktop Control - Style Manager Behavior Settings:

- Point in Window to Make Active - off
- Click in Window to Make Active - on
- Raise Window When Made Active - off
- Allow Primary Windows On Top - off
- Show Contents During Move - off

Local User Environment Settings:

- setenv OPENWINHOME /usr/openwin
- setenv TMP /tmp
- limit descriptors 1024 (or higher)

Printer Support:

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.

Best Performance Configuration

Screen Resolution:

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

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

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