

System Requirements

5 January 2012

	ERDAS APOLLO Essentials – Image Web Server ¹	ERDAS APOLLO Essentials – SDI	ERDAS APOLLO Advantage ² & Professional	ERDAS APOLLO Advantage (Collaboration Module)
Computer/ Processor	Intel® dual-core processor with a clock speed of 2.0 GHz or higher Single quad-core or 2 dual core processors recommended	Intel® dual-core processor with a clock speed of 2.0 GHz or higher Single quad-core or 2 dual core processors recommended	Intel® dual-core processor with a clock speed of 2.0 GHz or higher Single quad-core or 2 dual core processors recommended	Intel® dual-core processor with a clock speed of 2.0 GHz or higher ³
Memory	2 GB or higher (2 GB per core recommended)	2 GB or higher	2 GB or higher (4GB strongly recommended)	2 GB or higher ³
Server Disk Space	~500 MB for Application footprint	4 GB for Application footprint	4 GB for Application footprint	~2GB for Application footprint

¹ Hardware requirements will vary based on the protocol mix employed as well as overall usage.

If you will primarily be using ECWP to serve your imagery, the hardware requirements are relatively low, even when serving a very large number of clients. On the other hand, if you intend to primarily use ImageX / WMS / ArcXML / JPIP protocols to serve your imagery, ERDAS highly recommends that you use high performance hardware.

Generally, any bottlenecks experienced while using ECWP are caused by network bandwidth. Since the CPU and memory requirements are fairly low for ECWP, it can typically serve 1000s of users simultaneously and easily saturate a 100-megabit network.

In contrast to ECWP, the image sub-setting protocols (ImageX / WMS / ArcXML) supported by Image Web Server have high CPU and memory requirements and high performance hardware is recommended. If you are running Windows Server 2003/2008, the Web Garden feature of the IIS Application Pools can be used to fully leverage multi-core processors.

For small installations, or when using ECWP almost exclusively, lower-end hardware or shared hardware can be used. Image Web Server is very resource efficient.

² System specs for Collaboration Module listed separately

³ Actual requirements will vary based on transaction volume, request variability and number of connected users.

	ERDAS APOLLO Essentials – Image Web Server ¹	ERDAS APOLLO Essentials – SDI	ERDAS APOLLO Advantage ² & Professional	ERDAS APOLLO Advantage (Collaboration Module)
Spatial Data Storage	7200 RPM speed or greater disk storage ⁴ (recommend High Speed Disk Storage, >15000 RPM, RAID Arrays or External SAN/NAS)	7200 RPM speed disk storage (recommend High Speed Disk Storage, >15000 RPM, RAID Arrays or External SAN/NAS)	7200 RPM speed disk storage (recommend High Speed Disk Storage, >15000 RPM, RAID Arrays or External SAN/NAS)	N/A
Network Backbone	100 Mb or higher 1Gb recommended	100 Mb or higher. 1Gb recommended	100 Mb or higher. 1Gb recommended	100 Mb or higher
Server Operating Systems⁵	Windows Server [®] 2003 Standard and Enterprise Edition (32-bit and 64-bit) ⁶ Windows Server 2008 & 2008 R2 Standard and Enterprise Edition (32-bit and 64-bit)	Windows Server [®] 2003 Standard and Enterprise Edition (32-bit and 64-bit) Windows Server 2008 & 2008 R2 Standard and Enterprise Edition (32-bit and 64-bit) Windows XP Professional SP2 or higher (32-bit) Red Hat [®] Enterprise Linux [®] 5 (32-bit and 64-bit) CentOS 5.1, 5.2 (32-bit and 64-bit)	Windows Server [®] 2003 Standard and Enterprise Edition (32-bit and 64-bit) Windows Server 2008 & 2008 R2 Standard and Enterprise Edition (32-bit and 64-bit)	Windows Server [®] 2008 Standard Edition (32-bit) Red Hat [®] Enterprise Linux [®] 5 (32-bit) CentOS 5.1, 0-2 (32-bit) All servers supported running on VMWare

⁴ Data can be stored locally, or on a NAS/SAN device, but should be configured to ensure the server has fast access to data.

⁵ ERDAS APOLLO Feature Interoperability module is available for ERDAS APOLLO Essentials-SDI, Advantage and Professional products. However, it is available for 32-bit Windows systems only. If using 64-bit hardware, ERDAS APOLLO must be installed with 32-bit JDK (not 64-bit) so that the Feature Interoperability module can run properly.

⁶ 64-bit operating systems are preferred in a Windows environment, and will provide a 5 – 20% performance gain (dependent upon usage scenario).

	ERDAS APOLLO Essentials – Image Web Server ¹	ERDAS APOLLO Essentials – SDI	ERDAS APOLLO Advantage ² & Professional	ERDAS APOLLO Advantage (Collaboration Module)
Supplementary Operating Systems for testing & development	Windows [®] XP Professional SP2 or higher (32-bit and 64-bit) Windows Vista [®] (32-bit and 64-bit) Windows 7 (32-bit and 64-bit)	Usual Windows and Linux based systems can be used for development purposes, but deployments should be done on supported OS and comply with the above specifications	Usual Windows-based systems can be used for development purposes, but deployments should be done on supported OS and comply with the above specifications	Same as production level
Environment	N/A	JDK 1.6.0 (-20 or higher, 32-bit and 64-bit) and Java Advanced Imaging 1.1.3 (both embedded in installer)	JDK 1.6.0 (-20 or higher, 32-bit and 64-bit) and Java Advanced Imaging 1.1.3 (both embedded in installer)	JRE 1.6 (32-bit, embedded in installer)
Minimum Client Software	Adobe [®] Reader [®] 5.0 or higher (for online documentation) Firefox [®] 3.0 or higher Internet Explorer [®] 6 or higher Google Chrome [™] 4 or higher	Adobe [®] Reader [®] 5.0 or higher (for online documentation) Firefox [®] 3.0 or higher Internet Explorer [®] 7 or higher Google Chrome [™] 4 or higher	Adobe [®] Reader [®] 5.0 or higher (for online documentation) Firefox [®] 3.0 or higher Internet Explorer [®] 7 or higher Google Chrome [™] 4 or higher	Adobe [®] Reader [®] 5.0 or higher (for online documentation) Internet Explorer [®] 6 or higher
Licensing	ERDASNet-licensing 2011 (11.0)	ERDASNet-licensing 2011 (11.0)	ERDASNet-licensing 2011 (11.0)	ERDASNet-licensing 2011 (11.0)
Application Servers	Microsoft [®] IIS 6 or higher	JBoss 4.2..x or later (JBoss 4.2.2.GA is embedded in installer) WebLogic 10.3 Apache Tomcat 6 or higher (Tomcat 6 is embedded in installer)	JBoss 4.2.x or later (JBoss 4.2.2.GA is embedded in installer) WebLogic 10.3	Apache Tomcat 6.0.16 (embedded in installer)

	ERDAS APOLLO Essentials – Image Web Server ¹	ERDAS APOLLO Essentials – SDI	ERDAS APOLLO Advantage ² & Professional	ERDAS APOLLO Advantage (Collaboration Module)
Databases	N/A	<p>Oracle® Database 10g Release 2, Standard or Enterprise Edition</p> <p>Oracle® Database 11g, Standard or Enterprise Edition</p> <p>Microsoft SQL Server® 2008 and 2008 R2 (10.0.1600 or higher)</p> <p>PostgreSQL version 8.4 (with PostGIS extension)</p>	<p>Oracle® Database 10g Release 2, Standard or Enterprise Edition</p> <p>Oracle® Database 11g, Standard or Enterprise Edition</p> <p>Microsoft SQL Server® 2008 and 2008 R2 (10.0.1600 or higher)</p> <p>PostgreSQL version 8.4 (with PostGIS extension)</p>	MySQL 5.0
Discs for using Optimized Tile Delivery	Local serial attached SCSI RAID drives are recommended for optimum performance ⁷	N/A	N/A	N/A
Admin Tools	ERDAS APOLLO IWS Admin Console	<p>ERDAS APOLLO Data Manager</p> <p>ERDAS APOLLO Style Editor</p>	<p>ERDAS APOLLO Data Manager</p> <p>ERDAS APOLLO Style Editor</p>	<p>ERDAS APOLLO Collaboration Registry Admin Tool</p> <p>ERDAS APOLLO Collaboration Admin Tool</p>

⁷ Faster disk access will yield substantially better results –particularly for Optimized Tile Delivery. Data can be stored locally, or on a NAS/SAN device, but should be configured to ensure the server has fast access to data.

	ERDAS APOLLO Essentials – Image Web Server ¹	ERDAS APOLLO Essentials – SDI	ERDAS APOLLO Advantage ² & Professional	ERDAS APOLLO Advantage (Collaboration Module)
Compatible Client Applications	<p>ERDAS TITAN 3D Client</p> <p>ERDAS APOLLO Web Client</p> <p>ECWP-enabled Applications</p> <p>OGC-compliant WMS client applications</p>	<p>ERDAS TITAN 3D Client</p> <p>ERDAS APOLLO Web Client</p> <p>ERDAS APOLLO Catalog Web Client</p> <p>OGC-compliant client applications</p>	<p>ERDAS TITAN 3D Client</p> <p>ERDAS APOLLO Web Client</p> <p>ERDAS APOLLO Catalog Web Client</p> <p>ECWP-enabled applications</p> <p>OGC-compliant client applications</p>	<p>ERDAS TITAN 3D Client</p>
Admin Tools Operating Systems	<p>Windows[®] XP Professional SP2 or higher (32-bit)</p> <p>Windows 7 (32-bit and 64-bit)</p> <p>Windows Server[®] 2003 Standard and Enterprise Edition (32-bit and 64-bit)</p> <p>Windows Server 2008 & 2008 R2 Standard and Enterprise Edition (32-bit and 64-bit)</p>	<p>Windows[®] XP Professional SP2 or higher (32-bit)</p> <p>Windows 7 (32-bit and 64-bit)</p> <p>Windows Server[®] 2003 Standard and Enterprise Edition (32-bit and 64-bit)</p> <p>Windows Server 2008 & 2008 R2 Standard and Enterprise Edition (32-bit and 64-bit)</p>	<p>Windows[®] XP Professional SP2 or higher (32-bit)</p> <p>Windows 7 (32-bit and 64-bit)</p> <p>Windows Server[®] 2003 Standard and Enterprise Edition (32-bit and 64-bit)</p> <p>Windows Server 2008 & 2008 R2 Standard and Enterprise Edition (32-bit and 64-bit)</p>	<p>Windows[®] XP Professional SP3 or higher (32-bit)</p> <p>Windows 7 (32-bit)</p>