

ECW for ArcGIS® Server

Deliver ECW Imagery from ArcGIS Server

ECW for ArcGIS® Server provides compatibility with the ECW format, enabling users to serve ECW imagery from ArcGIS Server 10 as Web Coverage Services (WCS) and Web Map Services (WMS). Users worldwide rely on Hexagon's Enhanced Compression Wavelet (ECW) technology to compress bulky imagery files into manageable sizes – all while preserving visual quality of the images. ECW is already supported in traditional desktop GIS, CAD and remote sensing packages such as ArcGIS®, AutoCAD®, ERDAS IMAGINE®, BricsCAD®, ENVI®, FalconView™, Bentley Microstation®, and PCI Geomatica®.

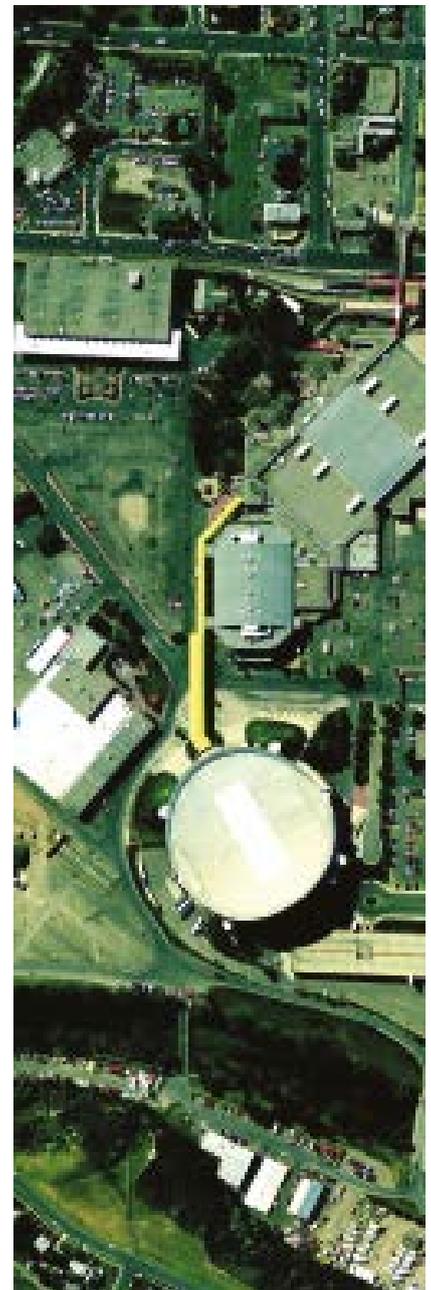
Accelerate Your Geospatial Workflow

With ECW support, ArcGIS Server users can leverage compression technology capable of quickly decompressing and opening massive files. In many cases faster than uncompressed imagery can be opened. In many cases, ECW-compressed imagery opens faster than uncompressed imagery.

ECW For ArcGIS Server

ECW provides the following benefits:

- **SAVE TIME** using the fastest imagery compression available. With ECW compression, no intermediate tiles are created as they are with conventional compression. The ECW engine leverages the power of multiprocessor systems to achieve up to 95% acceleration on dual CPU machines.
- Enables **EASY IMAGERY TRANSFER** on standard media or the internet. Working with extremely small files, you reduce your required disk space. For example, compressing one terabyte of raw imagery at a 1:25 target compression ratio results in less than 40 gigabytes of imagery. Multi-resolution level of detail is built into the file, eliminating the need to generate or distribute “pyramids” or “overviews.”
- Allows **QUICK VIEWING** of imagery in any client application. ECW is supported in traditional desktop GIS, CAD, and remote sensing packages, thin web clients (ImageX, ECWP, WMS), and mobile devices.
- Operates with an **EXTREMELY LOW LOAD** and can deliver to a very large number of users. Using standard hardware, you can disseminate huge quantities of imagery data to more users than any competitive product can handle.
- Offers the **FASTEST IMAGERY WMS AVAILABLE** by implementing interoperable standards. The WMS service in the ECW format enables you to deliver the most imagery to the highest number of users.
- **DELIVERS A RICH USER EXPERIENCE** over the internet using



streaming imagery protocol. Enhanced Wavelet Compression Protocol (ECWP) is the fastest imagery protocol available, delivering massive volumes of gridded data to thousands of users on standard server hardware (8 or less core server).

- **LOWERS ADMINISTRATION COST** and **EFFORT**, as ECW imagery is easy to manage, requiring minimal maintenance. Using the ECW format greatly reduces the quantity and scale of “servers” required, as well as the amount of physical storage space needed for delivery.
- **SAVES MONEY** by reducing IT costs for software licensing, maintenance, and hardware. In addition, ECW compression works with any massive imagery, not just geospatial imagery.
- **IMMEDIATE RETURN ON INVESTMENT (ROI)** that can be measured right away in hardware savings and continuous reduced software costs.

Contact us  info@geosystems.de



About GEOSYSTEMS

GEOSYSTEMS is a software vendor and service partner for geospatial solutions and helps public authorities, private companies and educational organizations to easily transform location-based data into actionable information. As Hexagon Geospatial platinum partner, GEOSYSTEMS offers not only leading-edge products for remote sensing, photogrammetry, GIS and data management, but also Hexagon Smart M.App solutions for easy-to-use dynamic map experiences. In addition, GEOSYSTEMS develops customized applications, implements tailor-made workflows and provides excellent trainings.

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About Hexagon

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications. Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous — ensuring a scalable, sustainable future.

Hexagon's Geospatial division creates leading platforms, applications and solutions for visualizing, analyzing, and deriving insight from location data. By interconnecting the geospatial and operational worlds, we help customers of all sizes – from sites to cities to nations – use 5D location intelligence to solve real-world, mission-critical challenges.

From snapshots in time to real-time streams, our technology enables autonomous connected ecosystems that deliver reliable, repeatable location information. We shorten the loop from data acquisition to action, helping clarify what was, what is, what could be, what should be, and ultimately, what will be, so we can build a thriving, sustainable world.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 4.3bn USD. Learn more at hexagon.com and follow us @HexagonAB.