



Express Server is the leading image-delivery software for compressed raster imagery, including multispectral imagery. It uses patented compression technology to reduce storage costs, decrease image loading times and handle thousands of image requests—all without sacrificing visual quality. With Express Server, you can access your imagery from virtually any GIS application, from a web browser, and even from mobile devices. That's because Express Server uses industry and ISO standards such as the WMS protocol and the MrSID, JPEG 2000 and Geospatial PDF formats. Plus, Express Server includes built-in web tools for a complete out of the box experience, featuring simple server management, image browsing, image export and more.

## Express Server Benefits

**Reduce storage costs and deliver compressed imagery faster with Express Server, the no-fuss image server from the makers of MrSID.**

### Enjoy a Complete Out of the Box Experience

Install and configure Express Server without ever touching the command line. Whether you're managing the server or just accessing imagery remotely, Express Server's full-featured web tools have you covered. Use the Express Server Manager to create image catalogs, browse your imagery, restart the server and more. Express Server 9 also includes the new *ExpressZip* web tool for viewing and exporting imagery with ease.

### Access Imagery Anywhere

Express Server was designed for easy integration with real-world GIS workflows so that you can access your imagery from any device and from any connection. Express Server accomplishes this using the industry-standard WMS and JPIP protocols. You won't have to retrain your staff because virtually all GIS applications support these protocols—not to mention many custom web applications and even mobile applications. For example,

you can use ArcMap to view imagery hosted on Express Server right alongside imagery hosted on ArcGIS Server.

Still want a separate application to view your imagery? Use the *ExpressZip* web tool included with Express Server, or install LizardTech's free and snappy desktop application, GeoViewer, to access your imagery.

### Simple Web-Based Image Export

The days of clunky desktop applications are over. With Express Server 9, all you need is a web browser to access imagery. The new **ExpressZip** web tool means that your users can access imagery as soon as you finish installing Express Server—no additional software required. *ExpressZip* is a full-featured web tool that makes it easier than ever to browse, view, and export imagery. Thanks to *ExpressZip*, you no longer have to scroll through the thousands of images

## Express Server Benefits Continued

in your collection to find what you want. Use the powerful search and filter features included in *ExpressZip* to find imagery by location, by keyword, by projection, and more. Need to view the imagery offline? You can select and export any region of interest using the integrated selection tools or by uploading a shapefile. The intuitive user interface will guide you through the process of selecting the output format and tiling options—it'll even send you an email when the export job is done. Then, download exported imagery as a single convenient ZIP or TAR file.

### Customize Sample Applications

Express Server includes multiple sample web applications so that you can view your imagery with Javascript, Flash, and the Tomcat-based *ExpressZip* web tool. Many of the sample applications are open source, including *ExpressZip*, so not only can you use them as-is, but you can also customize and extend them to fit any need.

### Painless Upgrades

With Express Server, you can always have the latest features. Don't hold off on upgrading just because you dread time-consuming manual upgrades. Express Server 9 includes a simple upgrade process that preserves all of your configuration options, including your image catalogs. The new Express Server installer automates the process of migrating your image catalogs between versions so that you don't have to re-create

them one at a time. All you have to do is point Express Server to your existing image catalogs and click *Upgrade*.

### Reduce Storage Costs

It's no secret that compressed image formats reduce storage costs. By switching to the industry standard MrSID format or the ISO standard JPEG 2000 format, you can slash the size of your imagery down to five percent of its original size without sacrificing visual quality. If you store your imagery losslessly, you can still save up to 30 percent on disk space while retaining pixel-for-pixel fidelity.

### View Imagery Faster at any Resolution

Express Server intelligently extracts and delivers only the pixels that you request to reduce the time required to display an image and minimize server load. This unique wavelet-based technology renders compressed images just as fast the originals. Plus, thanks to the MrSID format's built-in support for multiple image resolutions, you can view your imagery at all resolution levels without creating storage-intensive image pyramids. As a result, when you explore your imagery and zoom into areas of interest, scenes resolve instantly.

### Take Advantage of Innovations in Imaging

Multispectral and hyperspectral imagery have become an integral part of the GIS industry. With Express Server, you can use MrSID Generation 4

(MG4), the latest version of LizardTech's MrSID format, to host all your multispectral imagery. Don't worry, you'll have full control over which bands you want to distribute to your users.

### Display Imagery Your Way

With Express Server, you choose how to display your imagery. Whether you want to change the order of image bands, disable image downloads, or change projections, all it takes is a few clicks in the Express Server Manager.

### Ensure Scalability and Performance

Express Server software includes built-in tools for synchronizing catalog information between Express Servers, so you can easily add another Express Server to your server farm for load balancing or as a hot spare.

### Publish Directly from GeoExpress

Integrate Express Server into your existing GeoExpress® workflow. Publish MrSID and JPEG 2000 images to Express Server catalogs directly from the GeoExpress interface.

### Free Trial

Express Server installs in minutes. Learn more and download a free trial at the following URL: [www.lizardtech.com/products/exp](http://www.lizardtech.com/products/exp)

**Tour Express Server at:** [demo.lizardtech.com](http://demo.lizardtech.com)

## System Requirements

### Operating System Requirements\*

#### Windows

- Windows Server 2003 Service Pack 2
- Windows Server 2008 R2
- Windows Server 2012

#### Linux

- Red Hat Enterprise Linux 5.0
- Red Hat Enterprise Linux 6.0

\*Express Server runs on 64-bit operating systems only.

### Web Server Requirements

#### Windows

- IIS 6.0 (Windows Server 2003)
- IIS 7.5 with ISAPI Extensions (Windows Server 2008 R2)
- IIS 8.0 with ISAPI Extensions (Windows Server 2012)

#### Linux

- Apache Web Server 2.0.x
- Apache Web Server 2.2.x
- Apache Web Server 2.4.x

### Hardware Requirements

- 3 GHz quad core processor
- 8 GB RAM (16 GB recommended)
- 500 MB of disk space for installation plus additional space for images
- Gigabit Ethernet or fiber-optic for remote imagery
- Java Runtime Environment 1.7 or greater (64-bit only)

### Purchase Options

- Starts at a suggested retail price of \$7,999