

# LizardTech™ Express Server 6 – Image Delivery Software Made for Geospatial Workflows

LizardTech Express Server 6 is a server application for rapidly distributing large datasets of raster imagery. With Express Server, users on any device access imagery faster, even over low-bandwidth connections. But performance is just the beginning. Express Server's interoperability means you're not restricted to particular image formats, data sources or viewing environments. Express Server supports the workflows that make sense for your workforce and your customers.

## Express Server Benefits:

### Satisfy More Image Requests Faster

Designed to operate with existing image servers and to leverage the dynamic properties of wavelet-based MrSID® and JPEG 2000 image formats, Express Server 6 enables you to increase the speed of delivery and range of distribution for your geospatial image data and metadata – without any additional investment in hardware or bandwidth.

### Make the World Your Data Library

Web Map Service (WMS) support in Express Server means WMS-enabled clients can integrate your Express Server image repositories with WMS-compliant geospatial data stores anywhere in the world. Your imagery plays globally while locally you leverage the fastest raster delivery technology available.

### Engage a Wider Range of Users

More users can view your geospatial data because imagery distributed using Express Server is interoperable not only with applications supporting open standards such as OGC's WMS, but also with web browsers and custom web applications and with plug-ins for viewing in proprietary applications such as ESRI's ArcMap. Express Server delivers imagery to any device over any connection.

### Speed up Your ArcIMS Raster Delivery

Express Server speeds up image delivery with ESRI ArcIMS. By adding the raster image power of Express Server to ArcIMS' exceptional vector and client handling capabilities, you can view your maps up to 25 times faster than with ArcIMS alone. You can also connect an ArcMap client directly to Express Server, allowing you to work with datasets hundreds of gigabytes in size right on your desktop.

### Maximize the Return on Your Database Investment

Natively serve MrSID and JPEG 2000 imagery stored in a database and save up to 95 percent in storage space. Express Server's support for Oracle Spatial enables you to enlist Oracle databases running LizardTech Spatial Express as Express Server image catalogs.

### Leverage Updated Sample Applications

Express Server's sample web applications have been updated and are included with the installation, so you can view or show off your imagery using a number of viewing methods – including Javascript, Flash, and Ajax – right out of the box. LizardTech's ExpressView Browser Plug-in is a freely downloaded viewer that opens all imagery delivered by Express Server. Customizing the sample applications is an easy way to get started running Express Server.

### Deliver the Highest Visual Quality

The wavelet-based MrSID and JPEG 2000 image formats enable high compression of images while retaining high resolution and making labor- and storage-intensive image pyramids unnecessary. The acronym MrSID stands for Multiresolution Seamless Image Database, a way of storing multiple resolutions of a single image within the image itself. The ISO standard JPEG 2000 format uses a similar technology.

### Distribute More Complete Data

Support for geography markup language (GML) in Express Server 6 means you can add geospatial metadata to your JPEG 2000 imagery and Express Server will deliver it intact to GIS applications and other viewing and programming applications. More than just geocoordinates, geospatial metadata enables you to create JPEG 2000 imagery that is "spatially aware."

### Deliver a Better User Experience

In panning and zooming, scenes resolve instantly in both MrSID and JPEG 2000 images served by Express Server. That's because only the pixels the user needs are extracted and delivered as users navigate an image.

Learn more about Express Server 6 at [www.lizardtech.com/products/exp](http://www.lizardtech.com/products/exp)

Tour Express Server 6 at [demo.lizardtech.com](http://demo.lizardtech.com)

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Express Server 6 enables you to serve more users in less time using widely adopted standards and familiar tools – all without adding hardware or buying more bandwidth.