



LizardTech® Express Server® 6.1 software rapidly distributes 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 viewers. Express Server supports the workflows that make sense for you and your customers.

#### Express Server Benefits

**“Express Server 6.1 enables you to serve more users in less time using widely adopted standards and familiar tools – all without adding hardware or buying more bandwidth.”**

#### Satisfy More Image Requests Faster

Designed to operate with existing image servers and leverage the dynamic properties of wavelet-based MrSID® and JPEG 2000 image formats, LizardTech's Express Server® 6.1 software increases the speed of delivery and range of distribution for your geospatial image data and metadata – without any additional hardware or bandwidth. Both MrSID and JPEG 2000 are inherently multiresolution – you never need to pyramid your imagery – so loading imagery into Express Server is almost instantaneous. Express Server software can serve large images quickly because it extracts and delivers only the pixels users need as they navigate an image.

#### Easily Integrate with Other Applications

Express Server image repositories can be integrated with other data stores anywhere in the world via many different applications. Publish your images in a variety of coordinate reference systems via WMS and let Express Server mosaic and reproject them on the fly, so your users can work with imagery however they need to. Load imagery into Google Earth for rapid raster viewing, or use Express Server software with the JPIP

protocol to stream JPEG 2000 imagery in bandwidth-constrained environments.

#### Publish Directly from GeoExpress

Using the Express Server management tools included with versions 7 and later of the GeoExpress® application, you can rapidly upload MrSID and JPEG 2000 imagery to Express Server catalogs without having to reencode.

#### Speed Up Raster Delivery in ESRI Applications

Express Server speeds up image delivery for ESRI ArcGIS Server and ArcGIS Image Server. Publish Express Server catalogs of MrSID imagery as layers in ArcGIS Server and ArcGIS Image Server, or connect an ArcMap client directly to Express Server and work with datasets hundreds of gigabytes in size right on your desktop. Adding the raster image power of Express Server software to ESRI server capabilities enables you to view your maps up to 25 times faster than before.

## Express Server Benefits Continued

### Maximize Return on Database Investments

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® software as Express Server image catalogs. Express Server's integration with Oracle Spatial 10gR2 means that you can store images hundreds of gigabytes of size in your enterprise database.

### Distribute More Complete Data Using GML

Support for geography markup language (GML) means Express Server 6.1 will deliver geospatial

metadata added to your JPEG 2000 imagery to GIS and other applications.

### 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. Customizing the sample applications is an easy way to get started running Express Server software. Just grab the source code and go!

### 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.

### Learn more about Express Server 6.1 at

[www.lizardtech.com/products/exp](http://www.lizardtech.com/products/exp)

### Tour Express Server 6.1 at

[demo.lizardtech.com](http://demo.lizardtech.com)

## System Requirements

### All Operating Systems

- 1 GB RAM (2 GB recommended)
- Dual processors (recommended)
- 100 MB of free disk space, plus room for imagery
- Gigabit Ethernet or fiber-optic recommended for remote imagery

### Windows™

- Microsoft Windows 2000 SP4 or 2003 SP1
  - Intel Xeon Processor (3+ GHz recommended)
- One of the following Web servers:**
- IIS 5.0 (2000) or 6.0 (2003)
  - Apache Web Server 2.0.46 or 2.2

### For ArcGIS integration:

- ArcMap 8.3, 9.0, 9.1, 9.2 or 9.3 or ArcGIS Server 9.3 or ArcGIS Image Server 9.3

### For viewing with Express-View Browser Plug-in:

- Windows 2000, XP, 2003 or Vista with Internet Explorer 6.0 or 7.0 or Firefox 1.5 or 2.0

### For Google Earth integration:

- Google Earth 4.3

### Solaris™

- Sun Solaris 8, 9 or 10
- Sun UltraSPARC III Processor (UltraSPARC IV or later recommended)
- Apache Web Server 1.3.x (compiled with Shared Core DSO support), 2.0.46 or 2.2

### Linux™

- Red Hat Enterprise Server 3.0, 4.0 or 5.0
- Intel Xeon Processor (3+ GHz recommended)
- Apache Web Server 1.3.x (compiled with Shared Core DSO support), 2.0.46 or 2.2