



A Better View

Handling of imagery, and 3D visualization in particular, have been dramatically improved with version 10.2. Content generation capabilities from Esri CityEngine have been integrated with the desktop so ArcGIS 3D Analyst users can generate 3D geometries from existing 2D and 3D input features using rules authored in CityEngine.

A new capability also lets users publish web scenes. Like web maps, web scenes can be shared and viewed by anyone using just a web browser. Viewers can provide feedback about a web scene using the 3D commenting system. Web scenes can also make service-based requests to geocoding or other services.

It is also easier to find imagery. Previously, desktop searches were based on file format.

Now searches for imagery can be based on accessible metadata. The search index can be configured to search specified paths for raster products, mosaic datasets, and items within a mosaic dataset. Search results can be added directly to a desktop map or into a mosaic dataset.

Lidar processing is much faster. Better tools, new workflows, and the ability to search imagery improves imagery operations. Cached imagery can be uploaded to ArcGIS Online.

↑ Additional advanced analysis tools for investigating geographic relationships, patterns, and trends within data are available in ArcGIS 10.2.

An ArcGIS Server security option can force developers to use standardized SQL queries when working with map, feature, image, and Web Feature Service (WFS) services through REST or SOAP. This helps prevent SQL injection attacks and also makes it easier for developers and applications to query ArcGIS Server services. Standardized queries are enforced by default but can be disabled by the server administrator.

New Developer Opportunities

ArcGIS Runtime SDKs for Qt, OS X, and Microsoft .NET Framework join the existing collection of developer tools. To more quickly and easily create powerful web apps, these and the recently revamped web APIs have been simplified and improved with extensive support that includes many samples, widgets, and templates. This means less code to write. The documentation answers questions from developers at any level from beginning to advanced.

Scaling Up GIS

ArcGIS 10.2 delivers improvements across desktops, devices, servers, and the web that enable the widespread adoption of web GIS. It exploits the cloud and big data and other IT trends. This new pattern makes GIS more pervasive and the work of GIS professionals widely accessible, transforming how organizations operate.

Take Esri Geoportal Server Out for a Spin

Test-drive a live instance of Esri Geoportal Server. This free, open-source product enables the discovery and use of geospatial resources including datasets, rasters, and web services. The newly released Esri Geoportal Server LiveDVD Demo lets you try Geoportal Server without installing and configuring the software.

The LiveDVD Demo provides the perfect test environment for trying out Geoportal

Server customizations before implementing them in a production environment. Geoportal is already installed and configured on its own self-contained Linux operating system and can be booted directly by putting it in a computer's DVD drive before turning on the system or booted up using a virtual machine. Either way, the hard drive of the host computer is not touched. The LiveDVD demo was built on the openSUSE

(www.opensuse.org) Linux operating system using the SUSE Studio image creation tool.

Alternatively, LiveDVD can be installed on a hard drive to provide a permanent Esri Geoportal Server implementation. Digital and physical media versions of Esri Geoportal Server LiveDVD Demo 2013 can be requested by visiting esri.com/geoportaldemo.