ArcGIS® Server

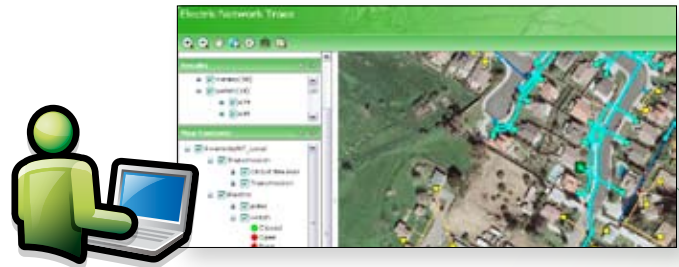A Complete and Integrated Server GIS

Arc GIS™

ArcGIS® Server

A Complete and Integrated Server GIS

ArcGIS® Server enables you to distribute maps, models, and tools to others within your organization and beyond in a way that fits well into their workflows.

With ArcGIS Server, you can

- **Publish fast, intuitive Web maps tailored to your audience,** dramatically strengthening business and resource decisions with real-time geointelligence.

- **Geographically enable your IT investments,** shrinking data and application redundancy, optimizing system configurations, and consolidating enterprise systems.

- **Centrally manage your geodata,** providing better data security and integrity for your most important information assets.

- **Simplify access to large volumes of imagery resources,** significantly reducing storage costs and data processing overhead.

- **Extend geographic information system (GIS) technology to your mobile workforce,** increasing the accuracy and value of field data collection projects and asset monitoring, as well as resource and event management.

" Everyone goes online to do their searching first. GIS is exactly what the client needs to see a property on a map, assess demographics, and complete a business analysis. "

— Amanda Taylor, Project Manager, Savannah Economic Development Authority

Web Mapping Application

Create and manage browser-based applications for viewing, querying, and editing GIS data. No programming experience is required. The application is included with ArcGIS Server Standard and Advanced editions.

Custom Web Applications

Develop rich interactive applications on top of ArcGIS Server using JavaScript™, Adobe® Flex™, Microsoft® Silverlight™, .NET, or Java™.

ArcGIS Server Supports a Wide Range of Applications

Deliver Maps and GIS Capabilities to Web, Mobile, and Desktop Applications
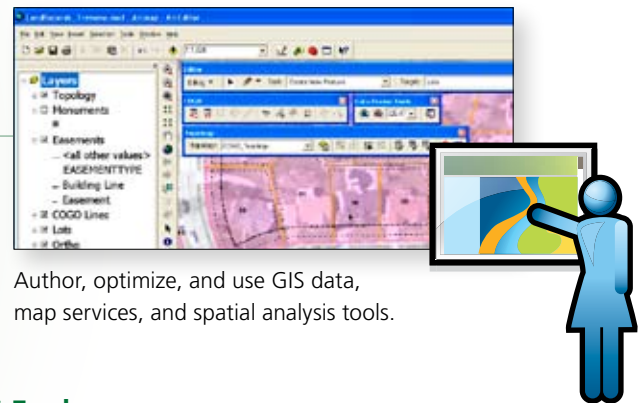
ArcGIS Online

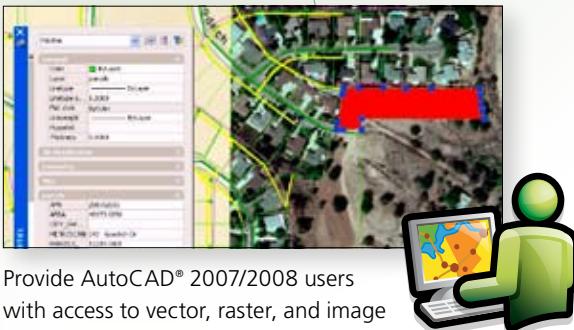Access and share data, maps, tools, and services via the Web.

Mobile

Create and manage mobile projects that work in connected and disconnected states for uninterrupted data collection and editing. This comes in the box with ArcGIS Server Advanced edition.
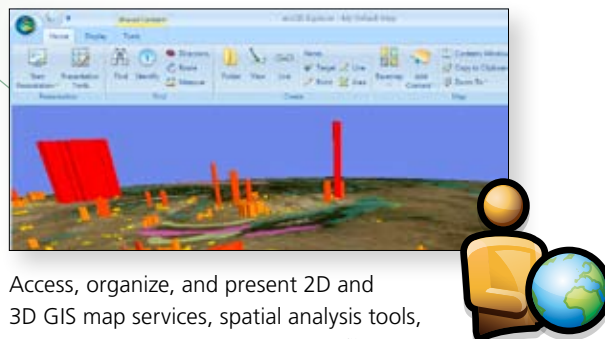
ArcGIS Desktop

Author, optimize, and use GIS data, map services, and spatial analysis tools.

ArcGIS Explorer

Access, organize, and present 2D and 3D GIS map services, spatial analysis tools, and Web content including ArcGIS℠ Online. This is a free download.

ArcGIS for AutoCAD

Provide AutoCAD® 2007/2008 users with access to vector, raster, and image services. This is a free download.

Who Uses ArcGIS Server?

ArcGIS Server Delivers Centralized Geographic Intelligence to Anyone, Anywhere

GIS Professionals

> "Having an overall visual locational awareness of the entire operational area keeps people safer. Because of our detailed and accurate mapping of the area, personnel working during the event do not have to rely on institutional knowledge, their own or someone else's, to locate areas, equipment, or access points."
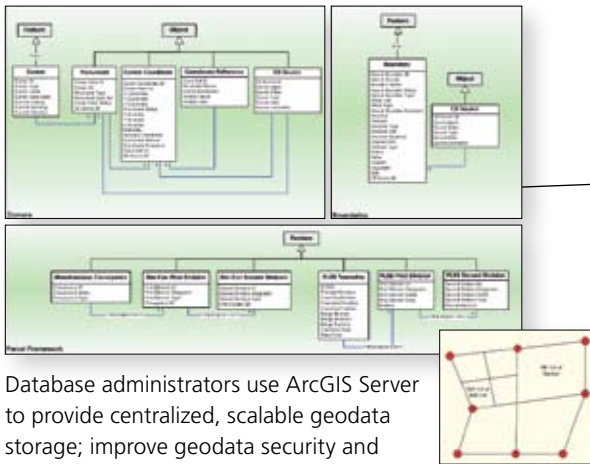>
> — *Mark Nowak, GIS Coordinator, City of Dover*
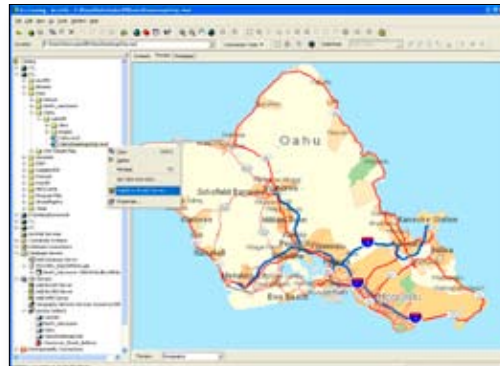
GIS professionals use ArcGIS Server to manage and distribute GIS content, such as maps, globes, imagery, and geoprocessing models, across organizational boundaries to mobile and information workers as well as Web citizens and application developers.

Database Administrators

Database administrators use ArcGIS Server to provide centralized, scalable geodata storage; improve geodata security and integrity; and deliver multiuser access and editing capabilities to Web, desktop, and mobile users.
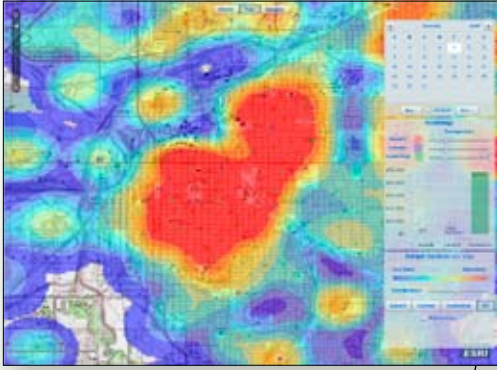
Application Developers
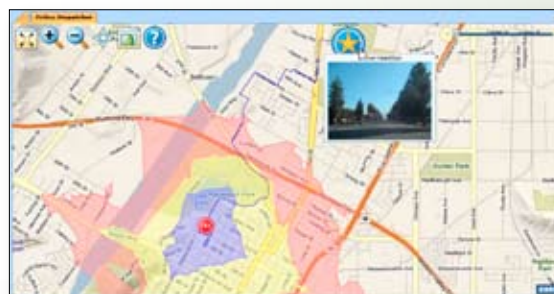
Application developers use ArcGIS Server application programming interfaces (APIs) to build and deploy rich interactive Web mapping applications that can comply with multiple approaches to geospatial, IT, and defense standards and interoperability.

IT Administrators

IT administrators use ArcGIS Server to streamline business processes, increase efficiency, automate tasks, and manage GIS Web services and applications within a service-oriented architecture (SOA).

Information Workers

Information workers use ArcGIS Server applications and services to access authoritative data and processes, improve workflows and customer service, and generate reports and analytic maps.

Mobile Workers

Mobile workers use ArcGIS Server to view and navigate mobile maps; monitor the location of assets; and collect, edit, and update GIS data.

Web Citizens

Web citizens use ArcGIS Server applications and services to explore government data as well as contribute their own maps; share comments, photos, and other information; and participate in local, regional, and global decision making.

www.esri.com/arcgisserver

ArcGIS Server Extensions

Add More Capabilities and Share Your Desktop Models and Tools with These Extensions

3D—Analyze what can be seen from multiple observation points, model subsurface features and atmospheric events, and visualize optimum facility placement.

Geostatistical—Share scientific models and surface exploration techniques, generate statistically valid surfaces, and make more precise predictions.

Network—Model realistic network conditions like drive times, multipoint routing, service area definition, optimum routes, and closest facility analyses.

Spatial—Derive new surfaces, predict likely outcomes, find suitable locations, and model alternatives using integrated raster-vector analyses.

Image—Enable dynamic mosaicking and on-the-fly processing for large numbers of images. Make the full information content of your imagery accessible.

Data Interoperability—Access and translate hundreds of data formats and employ spatial extract, transform, and load (ETL) capabilities.

Schematics—Generate, visualize, and manipulate diagrams stored in a geodatabase and update and share multiple network diagrams in a single layer.

Job Tracking—Improve the efficiency of any multiuser GIS project through the administration of project tracking and workflow management systems.

Geoportal—Provide quick, reliable access to diverse and dynamic geospatial resources supporting OGC specification standards, ISO 19139, FGDC metadata, and Dublin Core metadata.
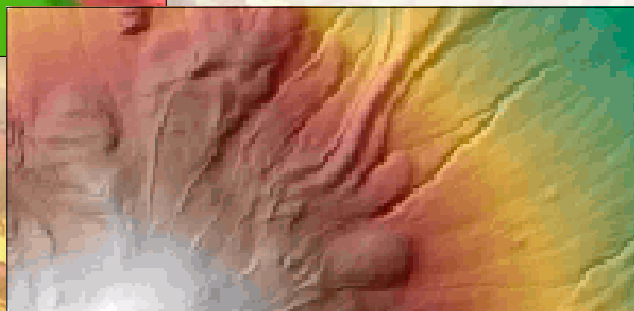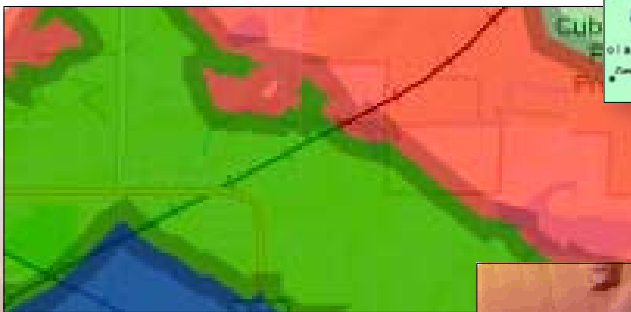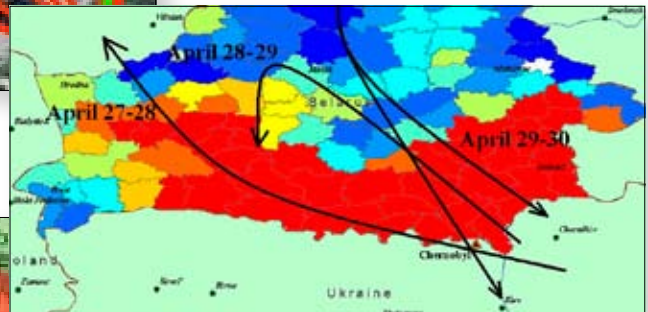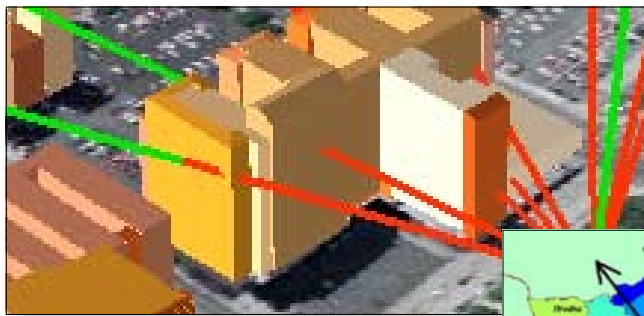
ArcGIS Server Key Features

Depending on what features you need, you can choose from among three editions of ArcGIS Server: Advanced, Standard, and Basic.

	Advanced	Standard	Basic
Data Management Provides geodata services for data extraction, replication, and synchronization, as well as a framework and tools for managing large spatial datasets in an RDBMS such as IBM® DB2®, IBM Informix®, Oracle®, Microsoft SQL Server®, and PostgreSQL	✓	✓	✓
GIS Web Services Supports Web services including map, image, globe, locator, geoprocessing, KML, WMS, WCS, WFS, and WFS-T (REST and SOAP access is included with all editions.)	✓	✓	
Mapping Includes tools for creating rich browser-based Web mapping applications	✓	✓	
Spatial Analysis Supports server-based analysis and geoprocessing, including vector, raster, and network analytics, as well as models, scripts, and tools	✓	✓	
Publishing to Clients Supports a broad range of clients including ArcGIS Desktop, ArcGIS Explorer, AutoCAD, and mobile and browser-based applications	✓	✓	
Image Management Supports a complete image management system for delivering large quantities of imagery that can be consumed in desktop, mobile, Web, and imagery clients	✓	✓	
Web Application Functionality Allows creation of configurable Web mapping applications via a simple wizard that requires no programming	✓	✓	
Application Developer Tools Provides a complete development platform for the Microsoft .NET Framework and the Java platform; also includes APIs for JavaScript, Adobe Flex, and Microsoft Silverlight for creating rich interactive applications	✓	✓	
Spatial Web Editing Functionality Supports editing of map features and attributes in Web applications	✓	✓	
Advanced Spatial Analysis Supports complex geographic and statistical analytics via the 3D, Geostatistical, Network, and Spatial extensions, which are included at no cost	✓		
Mobile GIS Application Functionality Provides an out-of-the-box, configurable mobile application that allows a mobile workforce to dynamically query and update data and query server data remotely; is administered from ArcGIS Server and integrated with GPS and fits seamlessly into enterprise IT environments	✓		
Mobile Application Developer Tools Provides tools to manage and deploy custom applications for use on mobile devices including a software developer kit (SDK)	✓		

Find more details and see how our customers use ArcGIS Server at **www.esri.com/arcgisserver**.

About ESRI

Since 1969, ESRI® has been helping organizations map and model our world. ESRI's GIS software tools and methodologies enable these organizations to effectively analyze and manage their geographic information and make better decisions. They are supported by our experienced and knowledgeable staff and extensive network of business partners and international distributors.

A full-service GIS company, ESRI supports the implementation of GIS technology on desktops, servers, online services, and mobile devices. These GIS solutions are flexible, customizable, and easy to use.

Our Focus

ESRI software is used by hundreds of thousands of organizations that apply GIS to solve problems and make our world a better place to live. We pay close attention to our users to ensure they have the best tools possible to accomplish their missions. A comprehensive suite of training options offered worldwide helps our users fully leverage their GIS applications.

ESRI is a socially conscious business, actively supporting organizations involved in education, conservation, sustainable development, and humanitarian affairs.

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