

ArcIMS®

Publish Maps, Data, and Metadata on the Web



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What Is ArcIMS?

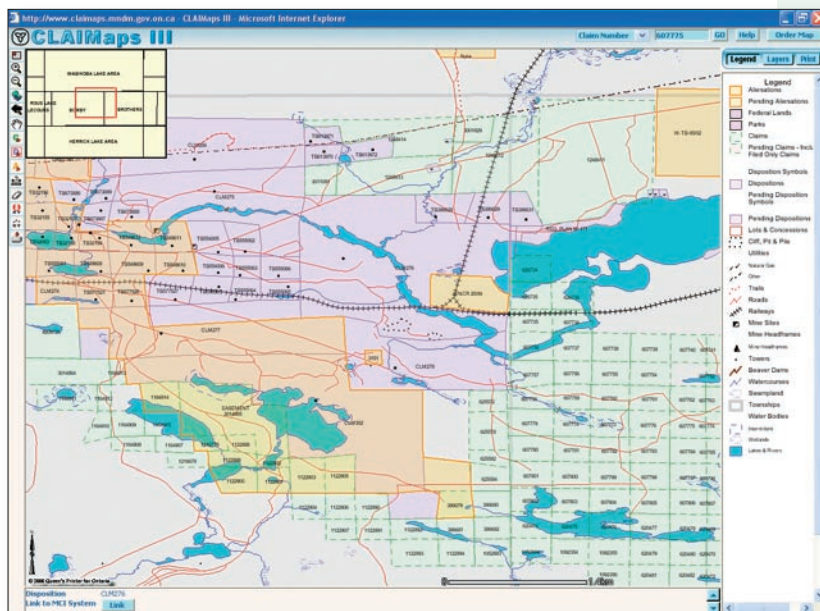
ArcIMS® delivers dynamic maps and geographic information system (GIS) data and services via the Web. It provides a highly scalable framework for GIS Web publishing that meets the needs of corporate intranets and the demands of worldwide Internet access. ArcIMS services can be used by a wide range of clients including custom Web applications, ArcGIS® Desktop, and mobile and wireless devices. Using ArcIMS, city and local governments, businesses, and other organizations worldwide publish, discover, and share geospatial information.

The majority of the benefits from using ArcIMS stem from the use of a single basemap to which all GIS staffs' geographic data can be linked. We have also built an online property information system based on ArcIMS that the public can access to get detailed county property information at their convenience.

Louis K. Marion
GIS Director
Geauga County Auditor's Office, Ohio, USA



Access Geauga features cadastral data integrated with real estate information, many different layers, and links to deed images and plats.



The Crown Land Automated Internet Map System (CLAIMaps) provides daily updated mining land tenure maps for the entire province of Ontario, Canada.

Our award-winning CLAIMaps site, built on ArcIMS, has helped make Ontario one of the most favored jurisdictions in the world for exploration investment. Users can view crisp, high-quality images and download daily updated mining land maps, which allows potential investors to make more informed investment decisions.

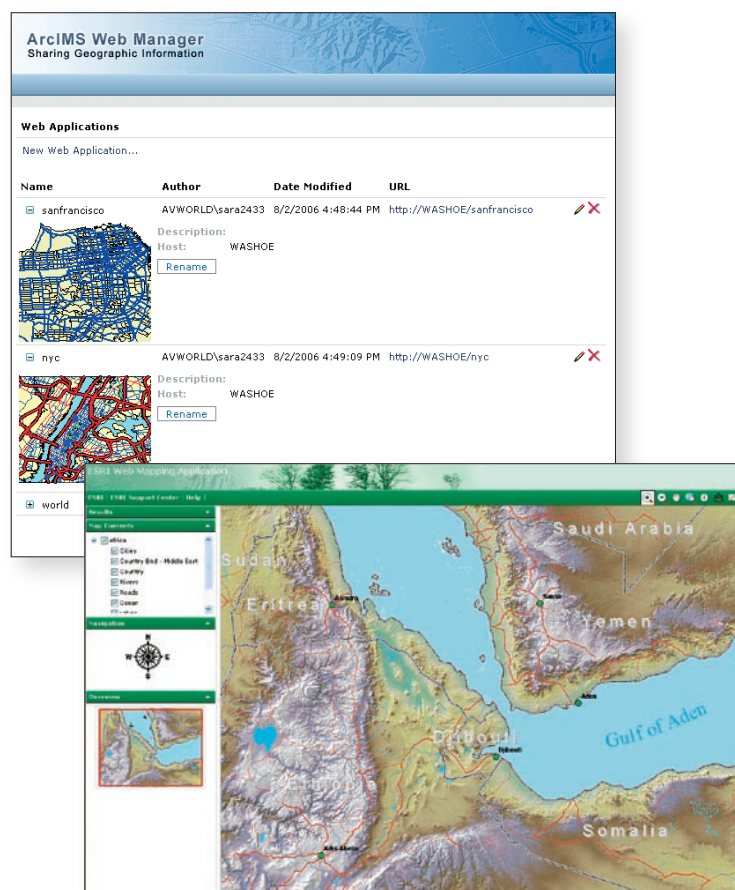
Brian Berdusco
GIS Project Manager
Ministry of Northern Development and Mines, Ontario, Canada

Metadata Services

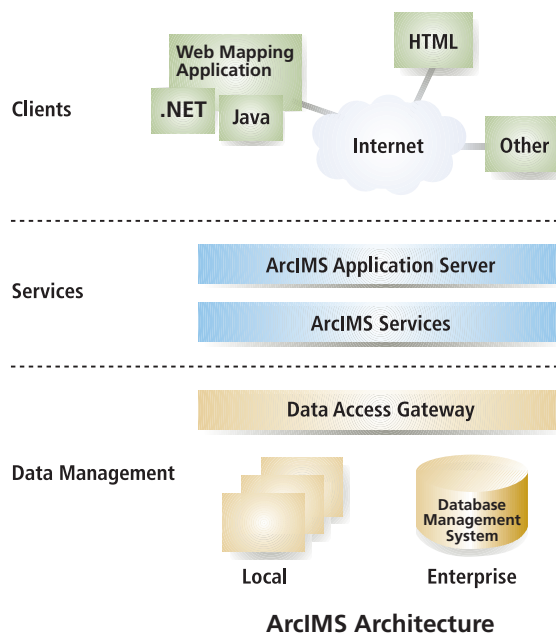
ArcIMS metadata services can be used to create a central, online metadata repository that allows you to easily publish and efficiently browse metadata over the Internet. You can author your metadata through the ArcGIS ArcCatalog™ application using industry-standard and user-definable style templates, then publish your metadata by simply dragging and dropping it into the ArcIMS Metadata Server.

Highly Scalable Architecture

Specifically designed to grow with an organization, ArcIMS is a completely scalable solution for publishing GIS data, maps, and applications. ArcIMS is designed so that it can easily be scaled to handle the demands of everything from the smallest intranet to a high-volume Internet site. To successfully power large-scale sites, ArcIMS incorporates proven technology developed from ESRI's many years of experience in providing Web-enabled GIS.



Users can create, design, and manage Web mapping applications with the ArcIMS Web Manager.



Easily Create and Share Your Web Mapping Application

You can build and customize viewers by using the ArcIMS Web Manager or the ArcIMS Application Developer Framework (ADF™).

Users without developer experience can benefit from the step-by-step workflow in ArcIMS Web Manager, which lets you choose the functionality and services you want to use in the application. Multiple map services can be integrated into a single Web application. Once published to the Web, you can still edit the application in ArcIMS Web Manager.

The ADF provides developers with additional flexibility to easily create customized viewers from scratch or edit the output from ArcIMS Web Manager. Two versions of the ADF can be used—one for the Microsoft .NET Framework and one for the Java platform.

On the client side, the custom viewer provides visitors to your Web site with the ability to view high-quality, interactive maps that feature tools including seamless pan, dynamic zoom, MapTips, and keyboard shortcuts.

Maintain Standards and Security

ArcIMS supports Web Map Service (WMS) and Web Feature Service (WFS) capabilities that adhere to Open Geospatial Consortium, Inc. (OGC), specifications. For more information on ESRI's commitment to interoperability and standards, visit www.esri.com/standards.

To manage the security of your Web site, ArcIMS also supports Secure Hypertext Transfer Protocol and Secure Sockets Layer Protocol. In addition, ArcIMS performs user authentication for map services, allowing you to define which users have access to GIS data.

Add Capabilities with These Optional ArcIMS Extensions

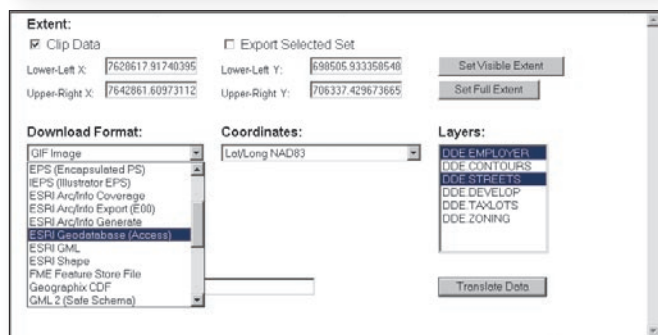
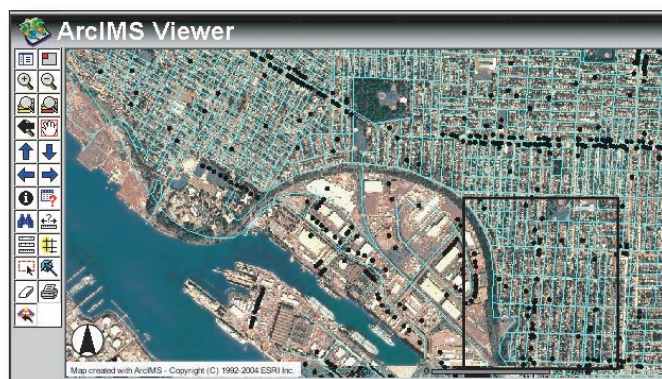
ArcIMS Route Server—Put routing capabilities on your Web site by adding the ArcIMS Route Server extension to your application. Users can quickly obtain point-to-point directions, locate optimal routes based on time and distance, account for multiple stops along a route, and create drive-time rings around a point.

ArcIMS enabled us to provide solutions to broadband coverage queries in near real time to customers, call center agents, and company management alike. What is really impressive is the fact that we are able to collect all points created by customer queries and feed this back into the planning and rollout loop, thereby continuously improving our service to the public.

Werner Schreiber
Specialist, Geospatial Applications
Sentech Ltd., South Africa



The ArcIMS Route Server extension allows you to add routing with driving directions, geocoding, and drive-time rings to your Web site.



The ArcIMS Data Delivery extension allows you to export data in multiple formats.

ArcIMS Data Delivery—The ArcIMS Data Delivery extension enables users to easily select, export, and deliver data in multiple formats and projections from a centralized Internet server. This extension allows users and administrators to publish data in a wide variety of standard spatial formats used within the industry.

With ArcIMS Data Delivery, you can download data in 20 different formats using a simple browser-based application, project features to more than 4,000 projections, and download extracted features in ZIP files.

Learn more about ArcIMS at

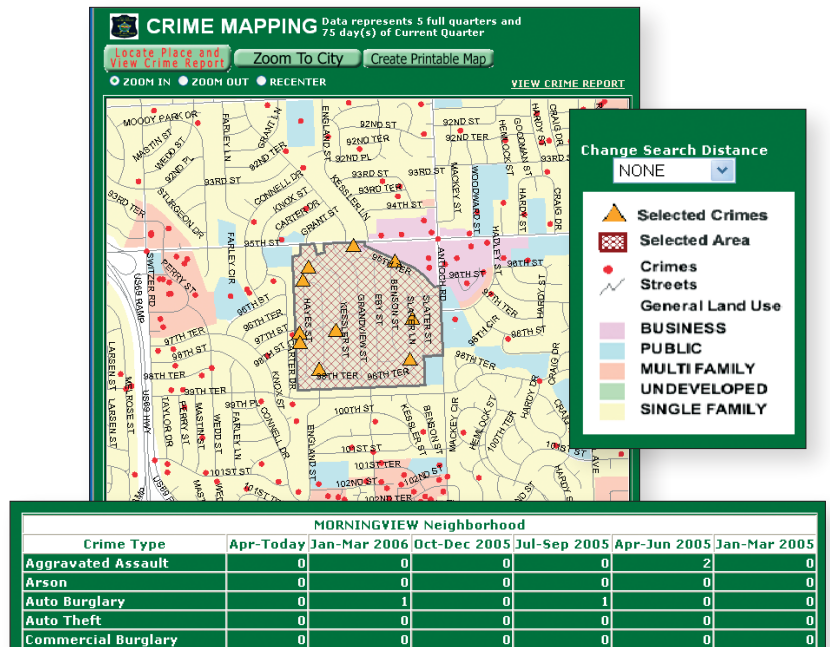
www.esri.com/arcims

The following examples illustrate the main application functions of ArcIMS:

Publishing for professional GIS users—Many organizations publish GIS data for GIS professionals both within and outside their bases of operation. Such ArcIMS applications are focused on data sharing between GIS professionals.

Focused application delivery—ArcIMS can be used to deliver GIS to numerous internal users or to external users on the Internet. ArcIMS provides data access and simple, focused applications to users through a Web browser.

Technology for GIS networks—GIS Web publishing with ArcIMS is often the initial step in the implementation of enterprise GIS. GIS organizations publish and deliver GIS data and services to a broad audience, often outside their department or organization. ArcIMS is important for building all the parts of a GIS network and in implementing GIS portals.



Key Features

ArcIMS offers the following key features:

- **Ease of use**—Easily create, design, and manage Web mapping sites.
- **GIS Web publishing capabilities**—Capabilities include image rendering, feature streaming, data query, and extraction and downloading, geocoding, and metadata services.
- **Metadata services**—Users can create a central, online metadata repository that allows you to easily publish and browse metadata over the Internet.
- **Data integration**—Visitors to your site can access your data and simply integrate it with data from many other Internet and local sources. As the ArcIMS user, you can choose to disallow data downloading.
- **Multiservice architecture**—Multiple map services can be integrated in a single Web application. Supported services include ArcIMS and ArcMap™ image, ArcGIS Server, ArcWeb™ Services, and OGC WMS.
- **Scalable architecture**—ArcIMS is completely scalable whether on your intranet or on the World Wide Web. ArcIMS powers the most demanding sites and services, allowing a large number of concurrent users.





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For more than 35 years, ESRI has been helping people make better decisions through management and analysis of geographic information. A full-service GIS company, ESRI offers a framework for implementing GIS technology and business logic in any organization from personal GIS on the desktop to enterprise-wide GIS servers (including the Web) and mobile devices. ESRI® GIS solutions are flexible and can be customized to meet the needs of our users.

For More Information

1-800-GIS-XPRT (1-800-447-9778)

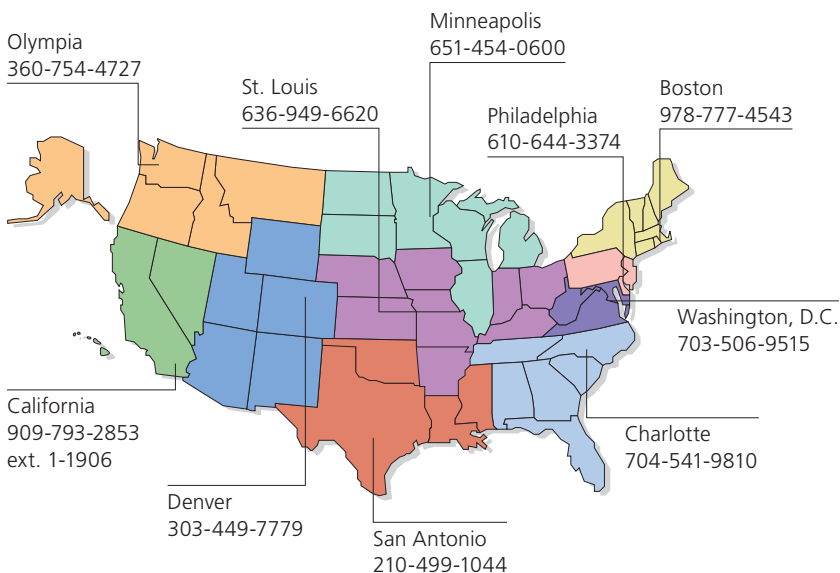
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