

Autodesk MapGuide Enterprise is based on MapGuide Open Source, an active open source software project hosted by the Open Source Geospatial Foundation at [www.osgeo.org](http://www.osgeo.org).

# Aggregate. Integrate. Disseminate...Captive.

Collecting, integrating and publishing maps and design data shouldn't be hard. Or expensive. Or take forever.

Autodesk is out to change the way you work with authoring, publishing and sharing maps. Older technologies hold you back because of their complexity, inflexibility, and expense. Open source and commercial Mapguide products from Autodesk change that equation permanently.

Extend the reach and value of spatial information using Autodesk MapGuide® Enterprise. Integrate maps and design data from different sources and servers, develop new applications, and publish spatial views quickly and easily. Using industry-standard development tools, create and share spatial information as dynamic web pages or send data to the field as self-contained, portable DWF™ files.

Support for Oracle® Spatial and Microsoft® SQL Server™, integration of Open Geospatial Consortium standards, flexible viewing options, and Linux and Microsoft® Windows® support make Autodesk MapGuide Enterprise a fast, easy, and cost-effective way to integrate, analyze, and distribute crucial spatial information.

Autodesk MapGuide® Studio manages all aspects of preparing maps and geospatial data for distribution on the Internet. Upload data files, connect to databases, stylize and preview maps—all using a developer-friendly authoring environment. Integrate business logic written in PHP, ASP.NET, or Java™ directly into your application and preview it within Autodesk MapGuide Studio. Use Autodesk MapGuide Studio to quickly publish maps and spatial applications that are deployed on MapGuide Open Source or Autodesk MapGuide® Enterprise internally, over the web, or for use in the field.

Organizations implementing the new MapGuide technology increase operational efficiency and customer service by cost-effectively delivering data to people who need it. Developers use MapGuide to quickly and profitably develop rich custom applications and deliver low cost solutions to their customers.

## Autodesk MapGuide Enterprise

Use Autodesk MapGuide Enterprise to integrate design and geospatial data, develop new applications, and publish maps and spatial views. Integrate data from a variety of servers and sources, and share spatial views as dynamic web pages or portable, self-contained DWF files.

### Get the Open Source Edge

Based on the MapGuide Open Source project, Autodesk MapGuide Enterprise gives you the benefits of collaborative software development—faster innovation, frequent release cycles, and lower cost of ownership.

Autodesk MapGuide Enterprise adds value to the core open source code—added functionality, additional quality assurance, easy installation, published documentation, and available technical support. You can have full confidence in this “certified” commercial-grade version backed by Autodesk.

### Simplify Using Server-Side Components

Benefit from server-side application development and delivery and write applications that support both raster and vector viewing with the same code. Functionality, logic, and code are the same, so there's no need to update client software when applications are updated.

### Choose Your Language

Use your preferred programming environment - .NET, JavaScript, or PHP - through the Web Server Extensions, with no loss in functionality and 100 percent consistency between API (application programming interface) calls.

### Take Advantage of Standards

Use the Open GeoSpatial Web Map Services (WMS) and Web Feature Services (WFS) to expose data and layers and provide map layers to other applications.

# AUTODESK MAPGUIDE® ENTERPRISE AUTODESK MAPGUIDE STUDIO

*I am extremely excited by the release of MapGuide Studio and MapGuide Enterprise.*

*Using these tools, I can easily publish online maps through a user-friendly*

*interface. Also, the MapGuide API allows me to quickly build fully featured*

*geospatial applications in my choice of languages.*

## **Configure Easily**

Set up and configure both secure and non-secure applications easily using the MapAgent Service. It accepts requests from clients over standard HTTP or HTTPS protocols and runs as a CGI/FastCGI to simplify web server configuration.

## **Connect Your Data**

Integrate information maintained in multiple departments or locations by using simultaneous connections (parallel or simultaneous queries) to multiple database servers, residing locally or on Unix® or Windows systems accessible via the network.

## **Deliver Information Securely**

Manage access to your spatial information using a built-in, access-based security model to ensure delivery of your data or application to authorized users only.

## **Grow As You Go**

Take full advantage of multiprocessor architectures and grow your site and support large numbers of concurrent users. Servers can be added to provide specific services, such as raster map rendering.

## **Support More Platforms**

For more versatility and lower cost of ownership, Autodesk MapGuide Enterprise runs as a service under Microsoft® Windows Server® using IIS

or Apache and as a Daemon under Linux using Apache.

## **Administer Remotely**

Administrate servers remotely administrated from any browser. Add and remove servers, configure servers and services, start and stop servers, configure log generation, view log files, and define users and groups.

## **Choose the Right View**

Autodesk MapGuide Enterprise offers two map viewing options that provide similar tools but distinct advantages.

- Autodesk® DWF™ Viewer—a downloadable ActiveX® control that displays maps on Microsoft® Windows® systems running the Internet Explorer or Firefox™ browser
- AJAX Viewer—delivers maps to almost any browser

DWF Viewer gives users powerful but lightweight viewing of maps, designs, and related data. The AJAX Viewer ensures that any user on any platform can access designs and maps with no need to standardize on one browser.

## **Make Data Portable**

Take maps and design data to into the field for viewing or markup. The DWF Viewer supports a “disconnected” mode, providing off-line vector-based map viewing capabilities that maintain data attributes.

## **Select Objects Intelligently**

# AUTODESK MAPGUIDE® ENTERPRISE AUTODESK MAPGUIDE STUDIO

Autodesk MapGuide Studio is sold separately as the authoring environment for both Autodesk MapGuide Enterprise and MapGuide Open Source.

Select objects by list, radius, polygon, buffer, and intersection for greater flexibility and improved usability.

## **Browse Properties**

Get immediate access to essential attribute data by displaying the properties of a selected object as defined by the map author.

## **Make Printing and Plotting Easy**

Produce high-quality presentation materials easily using DWF technology. Just select paper sizes and preview the map or map view to be printed. Print with multiple scale options that accommodate a variety of final output sizes. Control the elements to print on a page, including plot scale, title, legend, map scale, north arrow, URL, current date and time—even a logo mark.

## **Customize for the Customer**

Developers can tailor maps and viewing applications to meet specific client needs. Customize the DWF Viewer for use within websites and third-party applications using the DWF Viewer API. Navigate to a specific page or view, control layer visibility, show and hide the toolbar and context-sensitive menus, and customize viewer behavior.

## **Autodesk MapGuide Studio**

Autodesk MapGuide Studio (sold separately) provides a developer-friendly map authoring environment based on popular web development tools. MapGuide Studio delivers fast prototyping and rapid application development by eliminating the need to use different tools for loading data, connecting to databases, and publishing data to the web.

Autodesk MapGuide Studio handles all aspects of collecting and preparing geospatial data, including:

- Use of Site Explorer—MDI tabbed window
- Ability to build stylized and themed layers
- Ability to compile the layers into a map
- Display attributes defined by scale
- Automatic labeling by scale
- Web layout preview without publishing
- Customizable popup menu
- Write application inside frame (native application development)
- And much more

## **Access Data Efficiently**

Autodesk MapGuide Enterprise uses a single API—Feature Data Objects (FDO)—for accessing your data in ODBC, ArcView™ Shape file, SDF+ file, Oracle® Spatial DB, ArcSDE™ database, and other formats.

The software provides easy and efficient access to all your data types with standardized API support for cross-product (Autodesk Map® 3D, Autodesk Civil 3D) data sources.

## **Incorporate Raster Data**

Extend the value and enhance the look of your existing map data by bringing in BMP, CAL, ECW, JPG, PNG, SID, TGA, and TIF data.

## **Preview Maps with Ease & Fidelity**

Get immediate feedback when authoring and a preview of the web layout without publishing to a server.

## **Write Once, Browse Anywhere**

Create a single application that works with both the DWF Viewer and the AJAX Viewer, to simplify publishing without extra steps.

# AUTODESK MAPGUIDE® ENTERPRISE AUTODESK MAPGUIDE STUDIO

*Autodesk MapGuide Studio is easily the best map authoring tool I have used. The interface is very intuitive and easy to use. Gone are the days of separate "modules" or "helper" applications to accomplish the intermediate steps of loading data to the server, creating and managing symbols, and creating and editing map definitions. With MapGuide Studio's all-in-one environment, everything needed to author maps is now at my fingertips."*

*-Andrew Morsell, P.E.*

*Spatial Integrators, Inc.*

## **Style Map Data Once**

Use Autodesk Map 3D Display Manager elements as well as existing Autodesk DWF files as map layers, to accelerate map creation by taking advantage of previously authored maps and drawings.

## **Use Worldwide Data**

Get flexible data integration from support for more than 3,000 worldwide coordinate systems, as well as non-mapping systems.

## **Choose Your Language**

Accelerate map development by programmatically loading and organizing data from any .Net API-compatible language to quickly create programs to do repetitive work.

To learn more about Autodesk MapGuide Enterprise or Autodesk MapGuide Studio, visit [www.autodesk.com/mapguideenterprise](http://www.autodesk.com/mapguideenterprise) or [www.autodesk.com/mapguidestudio](http://www.autodesk.com/mapguidestudio)