Autodesk
MapGuide® Studio 2007

Features and Benefits

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.

Autodesk MapGuide Studio lets you easily add mapping to existing applications, build innovative new applications or integrate with existing systems using a unified authoring environment that streamlines application development.

Autodesk MapGuide Studio provides the following features and benefits:

Feature	Description	Benefit
Unified authoring environment	Developer friendly authoring environment based on popular web development tools provides • All aspects of collecting and preparing geospatial data • Site Explorer – MDI tabbed window • Build stylized and themed layers • Compile the layers into a map • Define display attributes by scale • Automatic labeling by scale • Web Layout preview without publishing (publish preview) • Customizable popup menu • And much more	Provides flexibility, ease of use, fast prototyping, and rapid application development which negates the need to use different tools for loading data, connecting to databases and web publishing

Tabular Data Management	Customized editors to configure the various types of data that FDO provides access to: Oracle and SQL Server (Autodesk MapGuide Enterprise only), ODBC, ArcSDE and other formats	Simplifies integration of external data sources.
Vector Data Management	Supports loading of SDF, SHP, DWG and pre-styled DWF data.	Streamlines aggregation and publishing of geospatial data.
Raster Data Management	Supports most raster formats: tif, .ecw, .sid, .bmp, .cal, .jpg, .png, .tga.	Extends the value of your existing map data. Enables you to scan microfilm or paper data sources and rapidly integrate it into applications
WYSIWYG display of authored maps	Easy-to-use interface provides preview of web layout	Provides immediate feedback when authoring
Map stylization tools	Interface to stylize and render map features based on user rules and automatically create thematic maps	Produce attractive and meaningful map displays
Single view to all site information	View all site contents in the Site Explorer. Drag and drop data or resources within the Site Explorer for editing and application setup.	Easily manage your repository. Quickly add references to shared resources for your applications.
Expression builder	Interface allows construction of tabular queries	Easily build powerful query functionality irrespective of data source
One-step web publishing and convenient customizing	Insert a reference to your map within a default web layout and the map is instantly published to the web. Customize the toolbars and menus easily within a graphical environment. Write your own custom commands and add them to the web surround.	Let's you easily iterate the commands appearing in the web layout surround, even after you've written your own custom application. Gives you ultimate flexibility in creating your own powerful server-side commands that communicate between the map and your custom application.
Dual viewer applications	Developers can create a single application that works with both the DWF Viewer and the AJAX Viewer	No need to commit to a single viewing strategy
Interoperability with Autodesk Solutions	Use Autodesk Map 3D Display Manager Elements as Map layers Load DWGs or use existing Autodesk DWF files as map layers Use of FDO as a common data source API	Rapid map creation by leveraging previously authored maps and drawings. Easy and efficient access to enterprise-wide data types with standardized, cross-product (Autodesk Map 3D, Autodesk Civil 3D) interface
Standards Support	Open Geospatial FDO Providers allow usage and configuration of Web Map Services (WMS) and Web Feature Services (WFS)	Utilize existing web services as map layers for your application, or provide and describe new services
Coordinate system support	Supports over 3000 worldwide coordinate systems, as well as non-mapping systems	Provides flexibility and improves data integration
.Net API	Allows user to programmatically load and organize data from any compatible language	Quickly create programs to do repetitive work, speeding map deployment