AUTODESK MAPGUIDE® STUDIO 2010

Features and Benefits

Autodesk MapGuide® Studio 2010 software helps you manage all aspects of preparing maps and geospatial data for distribution on the Internet. Upload data files, connect to databases, define symbols and linestyles, stylize and preview maps— all using a web design–friendly authoring environment. Integrate business logic written in PHP, ASP.NET, or Java® directly into your application and preview it in Autodesk MapGuide Studio.

Introduction

Use Autodesk MapGuide Studio 2010 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 2010 helps you to easily add mapping to existing applications, build innovative new applications, or integrate with existing systems using a unified authoring environment that streamlines application development.

What's new for 2010

Autodesk MapGuide Studio now a free download: Autodesk MapGuide Studio 2010 is available as a free download from the Autodesk Subscription Center for Autodesk MapGuide Enterprise customers. The Autodesk MapGuide Studio 2010 software is also available on the Autodesk MapGuide Enterprise 2010 DVD. Customers now have easy access to the Autodesk MapGuide Enterprise authoring tool without additional licensing cost.

Features and Benefits

Autodesk MapGuide Studio 2010 provides the following features and benefits:

Autodesk MapGuide Studio

Feature	Description	Benefit
Flexible Layout Templates and application widgets	Flexible Web Layout technology allows you to select from a number of templates for creating your MapGuide-based web application. Flexible Web Layouts include support for • Overview maps • Improved tools for selection measure Autodesk MapGuide Studio includes complete support for authoring applications with Flexible Web Layouts including the ability to easily switch between templates.	Easily create rich Web 2.0–type mapping applications using a modular system of flexible design templates and drag-and-drop application widgets with little to no web development expertise required.
More powerful and uniform expression builder	The unified expression builder tool that is shared with AutoCAD$^®$ Map 3D 2010 allows users to create expressions using drop-down fields names along with built-in • Math Functions such as log, exp, sin, cos • Text Functions such as Concat, Rtrim, Lower, Translate • Date Functions such as CurrentDate, Extract, MonthsBetween • Geometric Functions such as Areas and Lengths • Conversion Functions such as ToString, ToDouble	Easily create expressions for Filters, Thematics, and Labelling irrespective of data source formats.
Unified authoring environment	With the developer-friendly authoring environment based on popular web development tools, users can • Extract, transform, and load data • Use the Site Explorer multiple document interface (MDI) tabbed window • Build stylized and themed layers • Compile layers into a map • Define display styles by scale • Automatically label by scale • Use Web Layout preview without publishing (publish preview) • Customize pop-up menus	Gain flexibility, ease of use, fast prototyping, and rapid application development that negate the need to use different tools for loading data, connecting to databases, and publishing to the web.
Data source previews	Preview capability for various types of data that feature data objects (FDOs) provide access to: Oracle$^®$ and Microsoft$^®$ SQL Server$^®$, ODBC, ArcSDE$^®$, and other formats.	Simplify integration of external data sources.

AUTODESK MAPGUIDE STUDIO FEATURES AND BENEFITS

Feature	Description	Benefit
Vector data management	Load SDF, SHP, DWG™, and prestyled DWF™ data.	Streamline aggregation and publishing of geospatial data.
Raster data management	Work in most raster formats: BMP, CAL, ECW, JPG, PNG, SID, TGA, and TIF.	Extend the value of existing map data. Scan microfilm or paper data sources and rapidly integrate it into applications.
WYSIWYG (what you see is what you get) display of authored maps	Easy-to-use interface provides preview of web layout.	Get immediate feedback when authoring.
Map stylization tools	Use 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 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.
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.	Easily iterate the commands appearing in the web layout surround, even after you've written your own custom application. Gain ultimate flexibility in creating your own powerful server-side commands that communicate between the map and your custom application.
Interoperability with Autodesk solutions	• Use AutoCAD Map 3D Display Manager elements as map layers. • Load DWG files or use existing DWF files as map layers. • Use FDO as a common data source API. • Use common API shared with AutoCAD Map 3D.	Quickly create maps by using previously authored maps and drawings. Gain easy and efficient access to enterprise-wide data types with standardized, cross-product (AutoCAD Map 3D, AutoCAD® Civil 3D®) interface.
Standards support	Open Geospatial FDO providers allow usage and configuration of Web Map Services (WMS) and Web Feature Services (WFS).	Use existing web services as map layers for your application, or provide and describe new services.
Coordinate system support	Access more than 3,000 worldwide coordinate systems, as well as nonmapping systems.	Gain flexibility and improved data integration.
.NET API	Programmatically load and organize data from any compatible language.	Quickly create programs to do repetitive work, speeding map deployment.

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