

Autodesk MapGuide Enterprise 2010

Data Migration Tool User's Guide

The Autodesk logo is displayed in white text on a black rectangular background. The word "Autodesk" is written in a bold, sans-serif font and is oriented vertically, reading from bottom to top.

June 2009

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Autodesk MapGuide Data Migration Tool User's Guide

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The Autodesk MapGuide Data Migration Tool (DMT) is a tool that migrates MWF files and their related UDL/ADL files so you can use them in Autodesk MapGuide Enterprise.

Installing the Data Migration Tool

System Requirements

See the following tables for hardware and software requirements.

Hardware Requirements

Operating Systems	Microsoft® Windows® 2000 Server Microsoft Windows 2003 Server Microsoft Windows XP Pro SP2 Microsoft Windows Vista
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CPU Type	Intel Pentium, III/IV 1 GHz
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Memory	512 MB RAM
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Software Requirements

Autodesk MapGuide Server	6.5
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Software Requirements

Autodesk MapGuide Enterprise	2008, 2009, or 2010 The Data Migration Tool requires Autodesk MapGuide Enterprise and Autodesk MapGuide Server 6.5 to be installed on the same system to migrate data files and to access UDL files.
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Autodesk MapGuideOS	1.2 or 2.1 You do not need to install MapGuideOS on the same machine with MapGuide Enterprise.
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Running the Data Migration Tool

- 1 Navigate to <http://www.autodesk.com/datamigrationtool> and click MigrationTool.zip.
- 2 Download and extract the files in MigrationTool.zip to your computer.
- 3 Double-click MigrationTool.exe to start using the tool.

Using the Data Migration Tool

New in This Release

- **Folder and Map/Layout Name Edit Boxes** - You can use the Folder and Map/Layout Name Edit boxes to specify the folder name and the MapDefinition/WebLayout name.

Folder:	<input type="text"/>
Map / Layout name:	<input type="text"/>

- **Configure Button** - When you click Configure, the migrationtool.ini files open. The following options are specific to the Oracle X/Y conversion:

[MIGRATIONTOOL]

convertPointToSpatial=0	When set to 1, it will convert X/Y based layer to Oracle Geometry based layer.
-------------------------	--

[MIGRATIONTOOL]

sqlScript=1 When set to 1, it will create a SQL Script to convert the Oracle X/Y tables to spatial

SqlExecute=0 When set to 1, it will run the script automatically. The udl need to be connected as Schema owner.

[ORACLE_DEFAULT]

geometryColumn=GEOM Geometry column name that will be used for XY->Spatial conversion

srid=8307 Oracle SRID name that will be used for XY->Spatial conversion

minX=-87.9 MinX extent that will be used for XY->Spatial conversion

maxX=-87.6 MaxX extent that will be used for XY->Spatial conversion

minY=43.6 MinY extent that will be used for XY->Spatial conversion

maxY=43.8 MaxX extent that will be used for XY->Spatial conversion

tolerance=0.0000001

Supported File Formats

You can use the Autodesk MapGuide Data Migration Tool to migrate the following MapGuide 6.5 file formats to Autodesk MapGuide Enterprise 2010.

- MWF
- MWX
- UDL
- MLF

- SMB (Symbol Library)

The Data Migration Tool is now independent of Autodesk MapGuide Studio. Although the way in which Autodesk MapGuide and AutoCAD Map 3D handles .dwg has changed since 2007, the drawing support has not been updated.

Unsupported File Formats

The following files and formats are not supported.

- VISION data
- Band Interleaved by Line (.bil)

Mapping MapGuide 6.5 Files to MapGuide Enterprise 2010 Files

The following list shows how MapGuide 6.5 files and their elements are migrated to MapGuide Enterprise 2010 resources.

MWF/MWX	
Web Layout	A default web layout is created where the MWF popup menu is converted to a context menu
Map Definition	A default web layout is created where the MWF popup menu is converted to a context menu
Layer Definitions	See MLF NOTE Layers that reference remote MapGuide servers are not migrated
Symbol Libraries	Created from MWF API symbols and point layer symbols
Feature Sources	See MLF and UDL items below

MWF/MWX

Drawing Sources See MLF below

MLF

Dynamic Text, Polyline and Polygon Layers

Feature Layer Definition

- Text layer creates a point stylization
-

Feature Sources

- SHP provider feature source for SHP SDP
 - SDF3 provider feature source for SDF 2.x SDP
 - SDF3 provider feature source for DWG
 - Oracle provider feature source for Oracle SDP
 - Microsoft SQL Server provider feature source for Microsoft SQL SDP
-

Attribute Sources

For each secondary table, an attribute source is created and a join is added to the feature source

- ODBC provider feature source for Microsoft Access OLE DB
 - SHP provider feature source for SHP SDP
 - SDF3 provider feature source for SDF 2.x SDP
 - SDF3 provider feature source for DWG
 - Oracle provider feature source for Oracle SDP
 - Microsoft SQL Server provider feature source for Microsoft SQL OLE DB
-

Dynamic Point Layer

Feature Layer Definition

Same as above plus:

- ODBC provider feature source for Microsoft Access SDP
-

MLF

Attribute Sources for secondary tables

- Same as above

Symbol Library

Dynamic Raster Layer

Raster Layer Definition

Raster Provider Feature Sources

- JPEG (.jpg) converted to TIFF based feature source
- Microsoft Windows Bitmap (.bmp) converted to TIFF based feature source
- TrueVision Targa 2.0 Format (.tga) converted to TIFF based feature source
- Portable Network Graphic (.png) converted to TIFF based feature source
- Tagged Image File Format (.tif) converted to TIFF based feature source
- CALS MIL-R-28002A Type 1 (.cal) converted to TIFF based feature source
- Enhanced Compression Wavelet (.ecw) converted to ECW based feature source
- MrSID (.sid) converted to MrSID based feature source

Dynamic DWF Layer

- Drawing layer definition
- Drawing source

Dynamic DWG Layer

- Drawing layer definition
 - Drawing source
-

MLF

GIS Design Server Theme Layer

- Not Migrated
-

Static Layers

Migrated as above using the following data source exceptions:

- Point converted to SDF 3 provider
 - Text converted to SDF 3 provider
 - Polyline converted to SDF 3 provider
 - Polygon converted to SDF 3 provider
 - Raster converted to TIFF based raster provider
 - DWG converted to drawing source
 - DWF converted to drawing source
-

Buffer Layer

- Drawing layer definition
 - Drawing source
-

Redline Layer

- Drawing layer definition
 - Drawing source
-

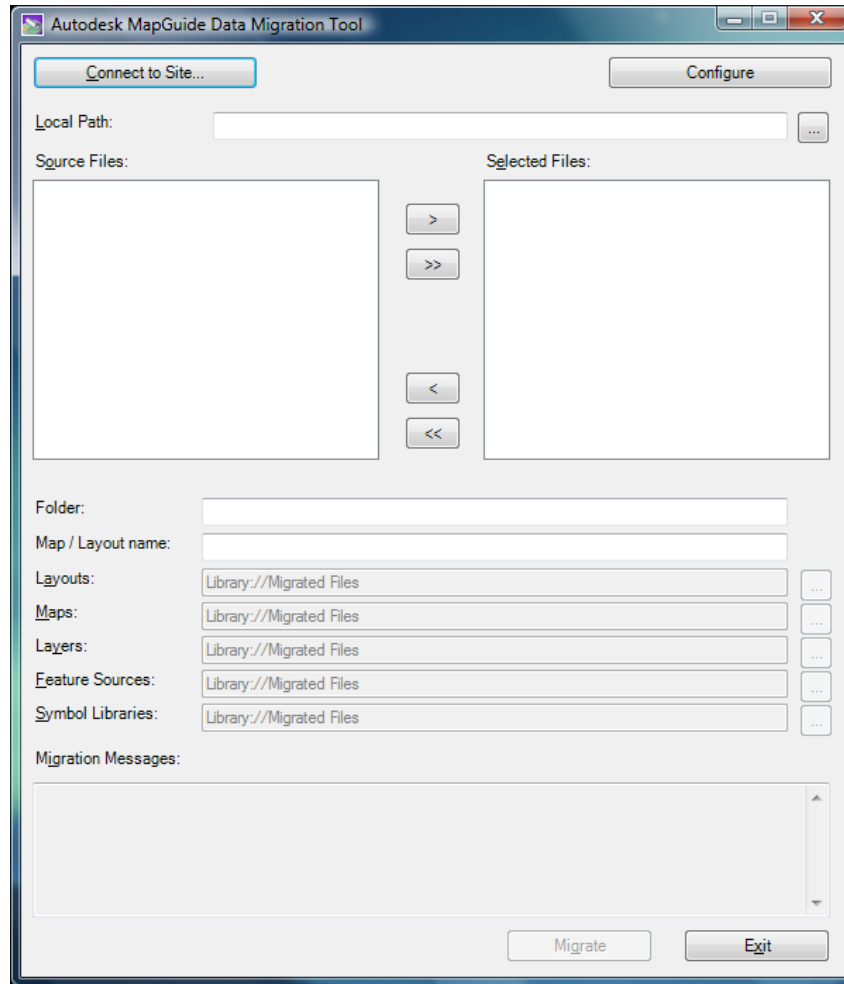
UDL

- SHP provider feature sources for SHP SDP
 - SDF provider feature sources for SDF SD
 - ODBC provider feature sources for Microsoft Access OLE DB
-

Migrating the MapGuide 6.5 Files

Connecting to the MapGuide Server

- 1 Double-click MigrationTool.exe. to start the tool.




- 2 Click Connect To Site to connect to your local MapGuide Enterprise Server.

- 3 In the Connect To Site dialog box, in the Site field, enter your server name, IP address, and port number where the Web Server Extension is installed. For example:

http://<servername:port>/mapguide

- 4 Under User Login, enter Administrator for the User Name and admin for the password. This is the default login for the MapGuide Enterprise Server and is case sensitive. However, any user account with the Author or Administrator role will work.



- 5 Click  and navigate to the folder containing the MWF files you want to migrate.
- 6 From the list of MWF files under Source Files, drag the files you want to migrate to Selected Files.

Migrating the Files

After you are connected to the MapGuide Enterprise server, you can migrate your files.

The paths that you assign for Layouts, Maps, Layers, Feature Sources and Symbol Libraries are applicable to all files being migrated.

- 1 Highlight the files you want to migrate under Selected Files.
- 2 Navigate to the Layouts, Maps, Layers, Feature Sources and Symbol Libraries path for each file.
- 3 Click Migrate.
- 4 Check the Migration Messages box for the status of your migrated files.
- 5 Start MapGuide Studio and in the Site Explorer task pane, navigate to your server folder to see the migrated data and settings in the Edit or Preview panes.

The Data Migration Tool creates log files at C:\Program Files\Autodesk\MapGuideStudio2010\MigrationLogFiles.

For more information, see [Mapping MapGuide 6.5 Files to MapGuide Enterprise 2010 Files](#) on page 4.

Feature Limitations

This section lists the known feature limitations in Autodesk MapGuide Data Migration Tool.

DWG Support

This version of the Data Migration Tool is based on Autodesk MapGuide Studio 2007. To make it run as a stand-alone tool, the MapGuide Studio 2007 DWG support DLL is included, as well as other DLLs. There is no support for the current DWG format, which is included in MapGuide Enterprise 2008, 2009, and 2010. MapGuide 6.5 does not support the current DWG format.

Migrating UDL Files from ODBC Provider

When you migrate a UDL file from an ODBC provider, only the schema name displays in the preview panel.

Migrating MWX and MWF Files from ODBC Provider

When you migrate MWX and MWF files of an ODBC provider, which includes layers from the same resource, more feature sources are created in Autodesk MapGuide Enterprise.

Displaying Symbols

After migrating SMB files from Autodesk MapGuide 6.5 to Autodesk MapGuide Enterprise 2009 or 2010, some symbols do not display correctly.

Migration Log File

Because not all Autodesk MapGuide 6.5 elements are applicable to Autodesk MapGuide Enterprise, review the migration log file for complete details. By default, the log file is created at C:\Program Files\Autodesk\MapGuideStudio2010\MigrationLogFiles.

Updating Maps After Migration

Because Autodesk MapGuide Enterprise has many new features, such as a full color palette and nested groups, you may want to update your maps after migration to leverage the new features.

Themed DWG Layers

When you migrate a DWG layer to an Autodesk MapGuide feature source, the properties created are: FeatureId, Color, Layer, and Hyperlink. Object data and some of the feature properties are not migrated. Linked secondary tables and themed layers are not migrated.

Migrating MWX Files

If you are migrating an MWX file, make sure it is not open in Autodesk MapGuide 6.5Author. If it is, close it before attempting to migrate the file.

Migrating MWF Files

- The Autodesk MapGuide Data Migration Tool and Autodesk MapGuide Server must be installed on the same machine. If the MWF files point to an Autodesk MapGuide Server not installed where the DMT is installed, those foreign data sources will be ignored.
- MWF layers based on Autodesk Map queries or themes will not be migrated.

Spatial Filters and SQL Where Clauses

Spatial filters will not be migrated. SQL Where clauses associated with linked secondary tables will not work.

Zoom GoTo Functionality

Zoom GoTo functionality from Autodesk MapGuide 6.5 will not be migrated.

