

# **Autodesk MapGuide® Enterprise 2009 Update I Readme**



Thank you for downloading Autodesk MapGuide Enterprise 2009 Update 1.

This readme contains the latest information regarding the installation and use of this update. It is strongly recommended that you read this entire document before you apply the update to your product. For reference, you should save this readme to your hard drive or print a copy.

This readme contains the following sections:

- Who Should Install the Update
- Installing Autodesk MapGuide Enterprise 2009 Update 1
- Changes Included in this Update

## **Who Should Install the Update**

Update 1 is for Autodesk MapGuide Enterprise 2009, in all languages, running on all supported operating systems.

# Installing Autodesk MapGuide Enterprise 2009 Update 1

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**IMPORTANT** You must close all applications before installing the Autodesk MapGuide Enterprise Update, especially any MapGuide-related services, such as MapGuide Server service and IIS/Apache.

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Autodesk MapGuide Enterprise 2009 Update 1 does not modify the repository or any of your data. Administrators should back up their current installations and repositories as per best practices. In general, any files modified by Administrators or users may be overwritten. The Windows update is simply an update to a subset of files. The Linux update is a full install, but should not require an uninstall first.

From the Product Support web site, download the appropriate Update files for your operating system. Copy the update files into a temporary folder on your computer and run the files as described below.

## Installing on Windows

No configuration files are modified during the Windows install of Update 1.

### Installing the Server/Web components on Windows

- 1 Download the following Update 1 files:
  - *AutodeskMapGuideEnterprise2009ServerUpdate1.exe*
  - *AutodeskMapGuideEnterprise2009WebServerExtensionsUpdate1.exe*
- 2 Stop the Autodesk MapGuide Enterprise 2009 Service and the Web Server before you install the Update files.
- 3 Run the Update 1 files that you downloaded in Step 1.
- 4 Restart your services and connect to the MapGuide Enterprise Site to confirm things are working.

## Installing on Linux

Several configuration files are modified during the install of Update 1. These files are commonly modified by Administrators either directly or via the Site

Administrator. You should back up these files and revert to them after the install:

- *opt/Autodesk/mapguideenterprise/server/bin/serverconfig.ini*
- *opt/Autodesk/mapguideenterprise/server/wfs/ogcwfsservice.config.awd* (This file is normally modified using the Site Administrator.)
- *opt/Autodesk/mapguideenterprise/server/wms/ogcwmsservice.config.awd* (This file is normally modified using the Site Administrator.)
- *opt/Autodesk/mapguideenterprise/webserverextensions/apache2/conf/httpd.conf*
- *opt/Autodesk/mapguideenterprise/webserverextensions/apache2/conf/mapguide.conf*
- *opt/Autodesk/mapguideenterprise/webserverextensions/php/lib/php.ini*

### Installing the Server/Web/FDO components on Linux

- 1 Download the following Update 1 files:
  - *mapguideenterprise2009-server-2.0.0.3402-1.i386.rpm*
  - *mapguideenterprise2009-webextension-2.0.0.3402-1.i386.rpm*
  - *mapguideenterprise2009-fdo-3.3.0.4101.tgz*

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**NOTE** Make sure that you download and install the correct Server and Web Extension Update files for your language, e.g. German, Japanese, French, etc. For example, if you are using the German version of MapGuide Enterprise, you should download the files *mapguideenterprise2009deu-server-2.0.0.3402-1.i386.rpm* and *mapguideenterprise2009deu-webextension-2.0.0.3402-1.i386.rpm*. The FDO Update file is not language-specific.

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- 2 Stop the MapGuide Enterprise 2009 Service and the Apache Server.
- 3 To install the FDO update, execute `tar -xzf mapguideenterprise2009-fdo-3.3.0.4101.tgz`. Then execute `./install` from the resulting *fdo-3.3.0.4101* folder to apply the update.
- 4 To install the Server and Web Extensions update, double-click the RPM files from a file browser. Installing them from a shell may generate dependency warnings requiring the Administrator to either force the install or uninstall and reinstall the RPM files.
- 5 Replace any overwritten configuration files as outlined in Step 1.

- 6 Restart the services and connect to the MapGuide Enterprise Site to confirm things are working.

### **Installing Autodesk MapGuide Studio Update 1**

Autodesk MapGuide Studio can only be installed on Windows.

#### **Installing Update 1 for MapGuide Studio**

- 1 Download the following Update 1 file to a temporary folder:
  - *AutodeskMapGuideStudio2009Update1.exe*
- 2 Exit MapGuide Studio 2009.
- 3 Run the update file you downloaded in Step 1. The install will likely require Administrator or Power User privileges to execute.
- 4 Start MapGuide Studio 2009.

## **Changes Included in this Update**

Autodesk MapGuide Enterprise 2009 Update 1 resolves the following issues:

- In some cases, there was a delay when deselecting previously selected features or when hovering over a feature to display the tooltip. This has been resolved for the AJAX viewer.
- When viewing a previously cached map, security set up on any of the map's resources was being bypassed.
- Legend icons were incorrect for multiple feature class VS layers published to MapGuide.
- The DWG Load Procedure was ending because the SymbolDefinition.xml file could not be found.
- CLIENTIP and CLIENTAGENT were not present in the Server access.log
- FontManager::FindFont has been enhanced to distinguish better between fonts in the same family.
- WebLayout Load Balancing was failing because of API call sequence.
- An incorrect spatial filter was being generated when coordinate system transformation occurred between a map and the corresponding data.

- The Basic Web Layout did not work with FireFox 3 and had the potential to crash an Apache web server.
- Search pages in a Basic Web Layout were failing when a property value was null.
- The WMS service was using an incorrect DPI setting for map rendering.
- In Flexible Web Layouts, errors were occurring when a layer containing a DateTime property was selected.
- New features were not being saved to SHP feature sources.
- Performing tasks such as markup in SDF files resulted in “resource is busy” errors.
- Selection in the AJAX Viewer fails with a “resource not found” error on maps with too many layers.
- When invoked from Style UI, the Expression builder didn’t know about theming functions.
- MapGuide Studio was crashing when a layer referenced a feature source that referenced a provider that the server didn’t have.
- MapGuide Studio was crashing when opening a layer with a bad feature source.
- Large tiled tiff catalogs were exhibiting slow performance.  
To take advantage of improved raster performance in Update 1, the following changes are required:
  - Multiple connections to the raster provider should be enabled by changing a line in serverconfig.ini. The line  
`DataConnectionPoolSizeCustom = OSGeo.Gdal:1,Autodesk.Raster:1`  
 should be changed to `DataConnectionPoolSizeCustom = OSGeo.Gdal:1`
  - For all Autodesk Raster Provider feature sources, the config.xml document must be regenerated. Do the following:
    - 1 Open the raster feature source in MapGuide Studio.
    - 2 Click "Test Connection" to regenerate the config.xml document.
    - 3 Refresh the coordinate system overrides to ensure any changes are still present.
    - 4 Save the feature source back to the repository.

- FDO Oracle trace showed two sets of queries for a single layer when there should have been only one. Web browsers were sending a second render map request because of PNG transparency issues with the map image. Internet Explorer 7, Firefox 2 and Firefox 3 now only send one request, improving performance. Internet Explorer 6 and Safari 3 still send two requests to render the map, because they do not properly support PNG transparency.

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