

# Autodesk MapGuide® Enterprise 2010 Update 1b Readme

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Thank you for downloading Autodesk MapGuide Enterprise 2010 Update 1b.

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 2010 Update 1b
- Changes Included in this Update

## Who Should Install the Update

Update 1b is for Autodesk MapGuide Enterprise 2010, in all languages, running on Linux.

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**NOTE** You should use the correct language version of the update for your operating system. For more information, see step one of *Installing the Server/Web/FDO components on Linux* below.

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# Installing Autodesk MapGuide Enterprise 2010 Update 1b

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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 2010 Update 1b 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.

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

## Installing on Linux

Several configuration files are modified during the install of Update 1b. 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 1b files:
  - *mapguideenterprise2010-server-2.1.0.3701-1.i386.rpm*
  - *mapguideenterprise2010-webextension-2.1.0.3701-1.i386.rpm*
  - *fdo-3.4.0.54.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 *mapguideenterprise2010deu-server-2.1.0.3701-1.i386.rpm* and *mapguideenterprise2010deu-webextension-2.1.0.3701-1.i386.rpm*. The FDO Update file is not language-specific.

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- 2 Stop the MapGuide Enterprise 2010 Service (Daemon), the Apache Server, and the Tomcat Server.
- 3 Uninstall the existing FDO installation. From a shell, navigate to */usr/local/fdo-3.4.0*. Execute *./uninstall*
- 4 Uninstall the MapGuide Enterprise Web Extensions. From a shell, execute *rpm -qa | grep mapguide*. This will list the installed version of the RPMs. Execute *rpm -e rpm-name* for the Web Extensions RPM.
- 5 Repeat step 4 for the Server RPM.
- 6 To install the FDO update, execute *tar -xzf mapguideenterprise2010-fdo-3.4.0.5401.tgz*. Then execute *./install* from the resulting *fdo-3.4.0.5401* folder to apply the update.
- 7 To install the Server, double-click the Server RPM from a file browser or *rpm -ivh rpm-name*.
- 8 Repeat step 7 for the Web Extensions.
- 9 Replace any overwritten configuration files that were backed up prior to Step 1.
- 10 Restart the services and connect to the MapGuide Enterprise Site to confirm things are working.

## Installing Updates for Autodesk MapGuide Studio

Autodesk MapGuide Studio can only be installed on Windows.

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**NOTE** You must install Update 1 for MapGuide Studio before you can install Update 1b.

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### Installing Updates for MapGuide Studio

- 1 Download the following Update 1 file to a temporary folder:
  - *AutodeskMapGuideStudio2010Update1.exe*
- 2 Exit MapGuide Studio 2010.
- 3 Run the update file you downloaded in Step 1. The install will likely require Administrator or Power User privileges to execute.
- 4 Download the following Update 1b Hotfix for Studio file to a temporary folder and follow the instructions in the Readme.txt file.
  - *MGStudio2010Update1b.zip*
- 5 Run the update file you downloaded in Step 4. To execute the bat file included in the zip file from step 4, Administrator or Power User privileges may be required.
- 6 Start MapGuide Studio 2010.

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**NOTE** MapGuide Studio 2010 is available in English language only, so there are no language specific update files available.

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## Changes Included in this Update

Autodesk MapGuide Enterprise 2010 Update 1b resolves the following issues:

- Layer icons were being drawn much too small in the legend after plotting a DWF.
- Resolved an issue for WMS connections in which the wrong bounding box was being set for local coordinate systems. An additional note for WMS connections: You must include a `version=1.x.x` parameter in the URL for the connection in Studio.

- During WMS reprojection, an offset to the local coordinate system was appearing because of an unwanted coordinate system transformation. (External WMS sources may require a config.xml file to ensure the correct coordinate system is found. See [http://sandbox.mapguide.com/index.php/Web\\_Mapping\\_Service](http://sandbox.mapguide.com/index.php/Web_Mapping_Service) for details.)
- Load balancing between 2 servers was failing when reloading a basic weblayout. Load balancing will now remove a non-responding server after the first connection failure. A retry period has been implemented so, should the server come back on line, it will be included in the round robin polling of servers. After a connection failure, the browser user will need to refresh the session to find a new server.
- Nested MapGuide readers were using different FDO connections when the provider is multithreaded.
- Site Admin operations did not appear to load balance. The operations have been enhanced to provide a listing for all load balanced servers.
- Use of the Autodesk Raster provider on Linux may have resulted in large memory consumption and eventual failure of the MapGuide Server.
- TCP/IP connections were not always being released and occasional invalid stream header errors occurred.
- Raster connections to unmanaged data and folders with many rasters may have failed or timed out, requiring the user to Save multiple times in Studio. The connection editor in Studio should no longer time out until the underlying config.xml is generated.
- Creating a Buffer against an MGE 2010 Server on Linux failed with a null error.
- Raster images no longer worked with Tiled Maps.
- Some FDO feature source searches were failing because there were issues with some of the identity property types.
- Search commands in Flexible Web Layouts were not executing correctly when executed from the task pane.
- There were problems correctly displaying Arab and Hebrew characters in labels.
- Labels on road data were being displayed inconsistently.
- When using the Autodesk Raster Provider, tiff catalogs on Linux could not be accessed properly.

- Autodesk Raster Provider was rendering thin image strips incorrectly.
- Feature Labels were not being displayed when a Japanese font was used in the Ajax viewer on Linux.
- Using a large point library sometimes caused errors.
- Selecting a Symbol Library in the Point Stylization dialog sometimes caused an error.
- Symbols were being displayed incorrectly in the symbol library editor, symbol previews, and map legends.
- The option "Allow other labels to obscure feature symbols on this layer" was missing from Autodesk MapGuide Studio 2010.
- Using Autodesk MapGuide Enterprise with Oracle 10g data on a Windows 2003 Server machine was consuming excessive amounts of memory.
- On Linux servers, a memory leak during data requests was causing the server to run out of memory unexpectedly.
- Selection set requests were using excess amounts of memory.
- MapGuide Server was running out of memory when accessing Oracle databases with large schemas.
- Coordinate system transformations were limiting CPU usage, preventing more than one person from using the system at a time.
- *Common.php* in Fusion and *common.php* in the PHP API were using an incorrect function call in *FormatMessage* which prevented exceptions from being raised properly.
- There were unexpected results with raster images when file connections were released.
- Warning error messages were being displayed when the advanced logging feature was enabled.
- Some older SDF files failed to open due to spatial index errors.
- The FDO WFS Provider was not retrieving all feature classes from the server.
- There were unexpected results with the SQL Server providers when null geometries existed.
- The Oracle Spatial provider was not displaying all the features when null z ordinate values existed in the geometries.

- Joining an SDF file to an Oracle feature class did not work.

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