



xCELLGEO USER'S GUIDE

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1. INTRODUCTION

This document describes how to install and use the xCELLgeo software for use with Microsoft® Office Excel® 2007, Excel® 2010, and Excel® 2013 32-bit and 64-bit versions.

xCELLgeo is an Add-In that allows users to perform a number of useful functions on IPv4 addresses. Specifically, users can:

- 1) Convert dotted IPv4 addresses (e.g. 192.168.1.1) to their decimal format (e.g. 3232235777),
- 2) Convert decimal IPv4 addresses to their dotted format,
- 3) Perform reverse DNS lookups on IPv4 addresses, and
- 4) Utilize GeoLite data created by MaxMind and available at <http://www.Maxmind.com> to determine country and city based geo-location information about an IPv4 address.

This software does not include the GeoLite databases as part of its distribution. Users are required to download and import the databases independently from MaxMind in order to utilize these features.

This software has been successfully tested on the Microsoft® Windows® XP SP3, Windows® 7, and Windows® 8 (32-bit and 64-bit versions) operating systems.

2. INSTALLATION

- a) Download the xCELLgeo Setup program from the FullScope Solutions website (<http://www.fullscopesolutions.com/products.html>) or from one of the approved distributors (e.g. CNET®, Softpedia®, etc.)
- b) Close all instances of Microsoft® Office Excel® and uninstall any previous versions of xCELLgeo.
- c) Unzip and Run 'xgSetup.exe'. *Note that if User Account Control is enabled on your computer (default setting on Microsoft® Windows Vista, Windows 7, and Windows 8), you will be prompted to allow the Setup program to execute, and may need to enter an administrator level password to complete installation of the software.*
- d) Check the box to certify that you have read and agree to the Software License Terms and click the "Go" button to complete installation (*Figure 2-1*). If Setup does not encounter any errors, you will be presented with a message box indicating that xCELLgeo has been successfully installed. *Note that Microsoft® Windows 7 and 8 may question whether the*

program completed installation successfully; you should select that it has completed successfully unless you were advised of an error by the Setup program.

- e) Should you encounter issues during setup, you will be presented with an error message and code that can assist our support team with isolating your problem. Additionally, a file named 'INSTALL_LOG.txt' will be generated and, depending on your computer configuration, can be located in the 'c:\programdata\FSS' folder on Windows 7 and Windows 8 systems or the 'c:\Documents and Settings\All Users\Application Data\FSS' folder on Windows XP systems. Please email this file along with your specific error message and code when requesting support.



Figure 2-1 – xCELLgeo Setup

3. USAGE

After successful installation and upon opening Microsoft® Office Excel®, you will have a new Tab on the Ribbon entitled 'FSS Tools' with five buttons, two of which will be disabled until you download and import the GeoLite databases from MaxMind <<http://www.Maxmind.com>>. You will also be instructed to restart Excel® after initial installation (a one-time restart of Excel® is required on a per user basis to register the user functions). *Figure 3-1* depicts the Tab and user interface.

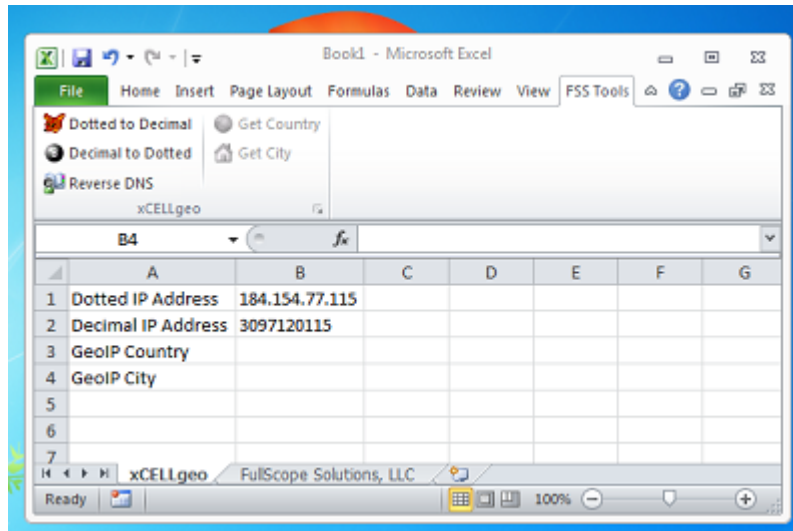


Figure 3-1 – xCELLgeo Tab & UI

Additionally, you will have a new function category, xCELLgeo.connect, in your Insert Function dialog. This new category contains functions that allow you to perform IP conversion, DNS reverse lookup, and IP geo-location operations on cell data and function like other formulas (e.g. =_Dot2Dec(B1) will convert the dotted IP address contained in cell B1 to its decimal format). Figure 3-2 shows the Insert Function Dialog with the new functions.

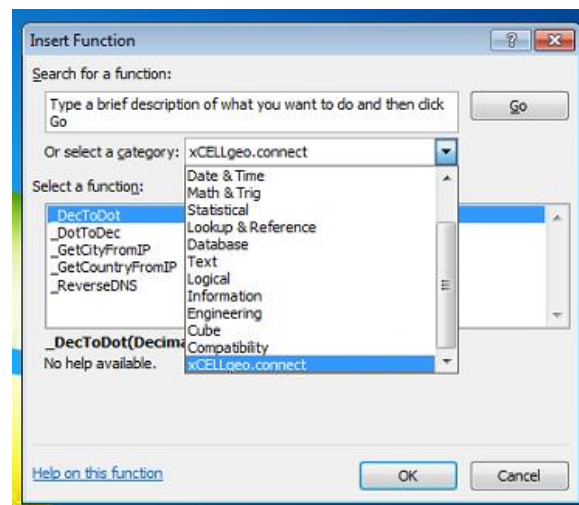


Figure 3-2 – Insert Function Dialog

3.2 - Geo / Unprotect Workbook

1. Open the Excel® file with the protected workbook.
2. From the “FSS Tools” tab, click the “Unprotect Workbook” button.

3.1 *Convert IP address from Dotted format to Decimal format*

To convert data, select the cell(s) you want to convert and click the Dotted to Decimal button.

The data in all selected cells will be converted from Dotted format to Decimal format and the resulting text will replace the data previously contained in the cell(s). See Figure 3-1.

Alternatively you may use a formula (e.g. `_Dot2Dec(B1)`) to convert the IP address data contained in a selected cell. This allows you to place the result in a cell of your choice and does not overwrite the original data.

If cells are selected that do not contain data, xCELLgeo will ignore them during the conversion process.

3.2 *Convert IP address from Decimal format to Dotted format*

To convert data, select the cell(s) you want to convert and click the Decimal to Dotted button.

The data in all selected cells will be converted from Decimal format to Dotted format and the resulting text will replace the data previously contained in the cell(s). See Figure 3-1.

Alternatively you may use a formula (e.g. `_Dec2Dot(B1)`) to convert the IP address data contained in a selected cell. This allows you to place the result in a cell of your choice and does not overwrite the original data.

If cells are selected that do not contain data, xCELLgeo will ignore them during the conversion process.

3.3 *Perform a Reverse DNS lookup of an IP address*

To perform a reverse DNS lookup on data, select the cell(s) you want to lookup and click the Reverse DNS button.

Assuming you have an active Internet connection, xCELLgeo will attempt to lookup the data in all selected cells and return the host entry information if it exists. The resulting text will replace the data previously contained in the cell(s), unless there is no information available in which case the original data will remain unchanged.

Alternatively you may use a formula (e.g. `_ReverseDNS(B1)`) to lookup the IP address data contained in a selected cell. This allows you to place the result in a cell of your choice and does not overwrite the original data.

If cells are selected that do not contain data, xCELLgeo will ignore them during the lookup process.

3.4 Perform a Country lookup of an IP address

This feature requires GeoLite data created by MaxMind, available from <<http://www.maxmind.com>>

To determine the country associated with a particular IP address you must first download the freely available GeoLite Country database in CSV / zip format from MaxMind. Until the file is downloaded and imported, the Get Country button will be disabled and the user function will not return any results.

Upon downloading the database file, you will need to import the file into xCELLgeo by completing the following steps:

1. Launch the About xCELLgeo form by clicking on the lower right corner of the xCELLgeo user interface.
2. If you are using the Trial version of xCELLgeo, you must click the “Options” Tab on the right hand side of the dialog to display the database import buttons. See Figure 3-3.
3. Windows XP users must first unzip the Country Database file and then click the Import Country File (csv) button, browse to, and select the GeoLite Country CSV file you downloaded and unzipped from MaxMind. xCELLgeo will display a message box when it is done importing the file.
4. Windows 7 and 8 users can click the Import Country File (zip) button, browse to, and select the GeoLite Country CSV / zip file you downloaded from MaxMind. xCELLgeo will display a message box when it is done importing the file.



Figure 3-3 – Insert Function Dialog

MaxMind updates the GeoLite databases every month, as such you should download and re-import an updated database file as required. xCELLgeo will display the date the currently utilized file was created and alert you when the database is more than 30 days old.

To determine the country associated with an IP address, select the cell(s) you want to lookup and click the Get Country button.

The data in all selected cells will be looked up and the resulting text will replace the data previously contained in the cell(s). See Figure 3-4.

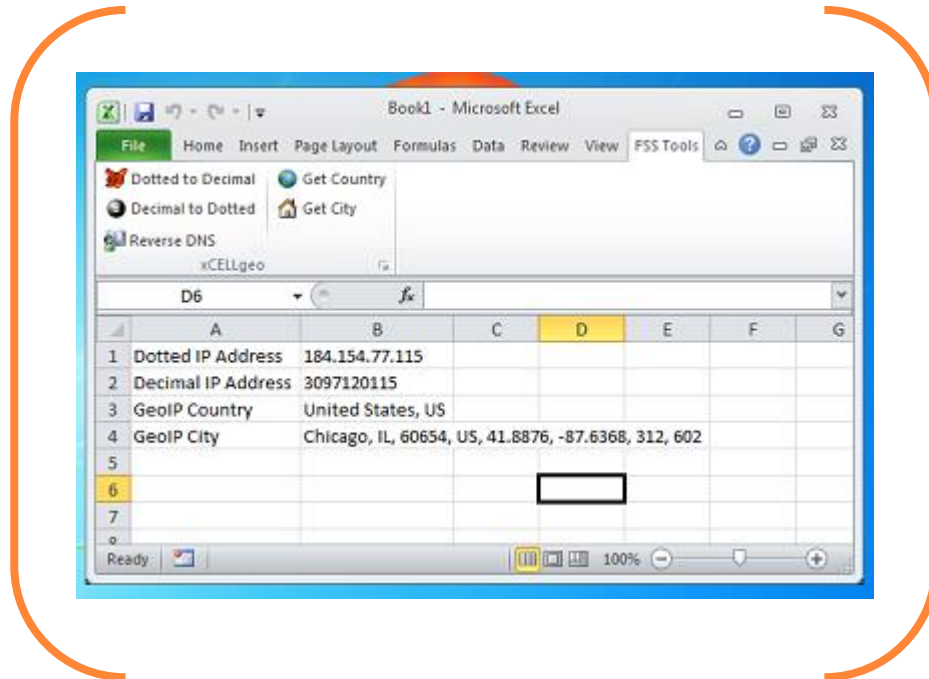


Figure 3-4 – IP Geo-Location Results

Alternatively you may use a formula (e.g. `=GetCountryFromIP(B1)`) to lookup the IP address data contained in a selected cell. This allows you to place the result in a cell of your choice and does not overwrite the original data.

If cells are selected that do not contain data, xCELLgeo will ignore them during the lookup process.

3.5 Perform a City lookup of an IP address

This feature requires GeoLite data created by MaxMind, available from <http://www.maxmind.com>

To determine the city and other location information associated with a particular IP address you must first download the freely available GeoLite City database in CSV / zip format from MaxMind. Until the file is downloaded and imported, the Get City button will be disabled and the user function will not return any results.

Upon downloading the database file, you will need to import the file into xCELLgeo by completing the following steps:

1. Launch the About xCELLgeo form by clicking on the lower right corner of the xCELLgeo user interface.
2. If you are using the Trial version of xCELLgeo, you must click the “Options” Tab on the right hand side of the dialog to display the database import buttons. See Figure 3-3.
3. Windows XP users must first unzip the City Database files and then click the Import City Files (csv) button, browse to, and select both GeoLite Country CSV files you downloaded and unzipped from MaxMind. xCELLgeo will display a message box when it is done importing the files.
4. Windows 7 and 8 users can click the Import City File (zip) button, browse to, and select the GeoLite City CSV / zip file you downloaded from MaxMind. xCELLgeo will display a message box when it is done importing the file.

Note: Importing the City database file make take several minutes based on your system speed.

MaxMind updates the GeoLite databases every month, as such you should download and re-import an updated database file as required. xCELLgeo will display the date the currently utilized file was created and alert you when the database is more than 30 days old.

To determine the city associated with an IP address, select the cell(s) you want to lookup and click the Get City button.

The data in all selected cells will be looked up and the resulting text will replace the data previously contained in the cell(s). See Figure 3-4.

Alternatively you may use a formula (e.g. `=GetCityFromIP(B1)`) to lookup the IP address data contained in a selected cell. This allows you to place the result in a cell of your choice and does not overwrite the original data.

The user function, `=GetCityFromIP`, allows you to customize what data you want to return (e.g. Region, Postal Code, Country, Longitude, Latitude, Area code, and Metro Code). The default is to return all fields. If you do NOT want to return a particular field, enter a “0” [zero] in the Formula Arguments dialog for that item.

Note that Excel re-calculates each time you change a formula argument. If you want to avoid long delays while setting your field options, the IP address should be the last value you enter.

If cells are selected that do not contain data, xCELLgeo will ignore them during the lookup process.

4. LICENSE PURCHASE/REGISTRATION & ACTIVATION

xCELLgeo offers a limited trial period whereby you can evaluate the product's performance over 15 actions. After the trial period has expired, you must purchase a license in order to continue to use the product.

To acquire a license, follow the “Buy Now” link on our website, or click the “Buy Now” button on the “About xCELLgeo” dialog, *Figure 4-1*, to be taken directly to PayPal and purchase your license. Upon confirmation of payment from PayPal, we will email you a license file, typically within 30 minutes, and your Transaction ID (arrives via a separate email). Use the “Save As” feature of your email program to save the license file to your computer.

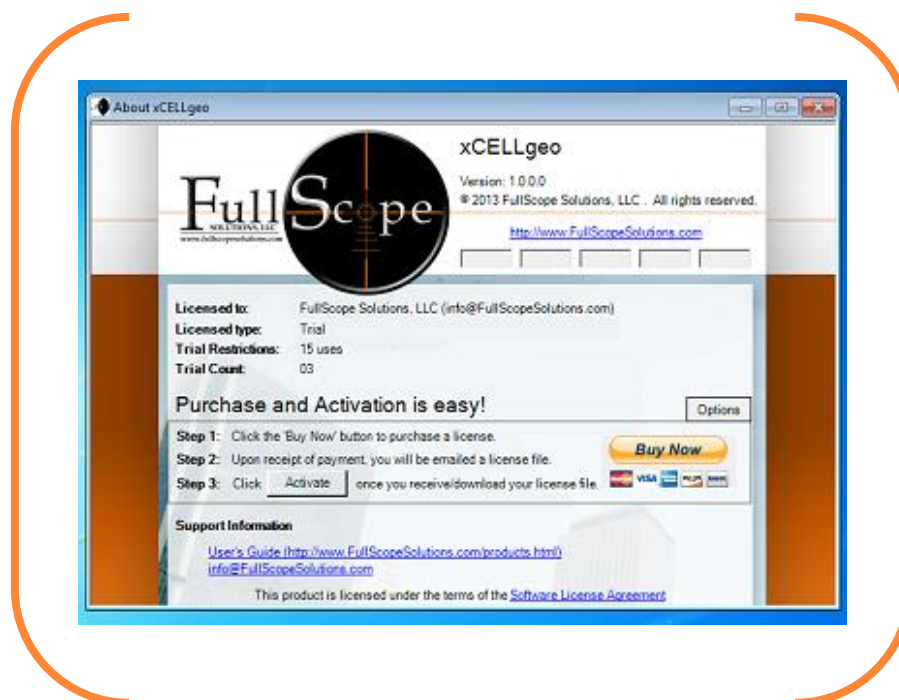


Figure 4-1 – xCELLgeo Purchase

To activate your product, open Microsoft® Office Excel® and with the “About xCELLgeo” dialog displayed, click the “Activate” button found in “Step 3” (*Figure 4-1*). A file browser will open up titled "Select License file." and you should browse to and select your license file. Once you have selected the file, click "Open". You will be asked to enter your 17 character Transaction ID, *Figure 4-2*, as the final step of the activation process.

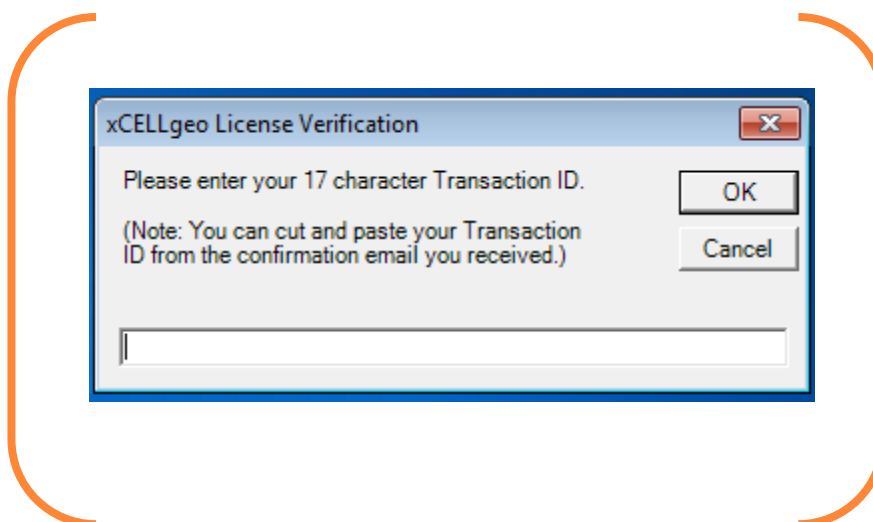


Figure 4-2 – xCELLgeo Activation

Upon entering a valid Transaction ID a message box will display indicating successful activation of your software and you will be instructed to restart Excel®, *Figure 4-2*. If an active Internet connection is found, xCELLgeo will register your installation with our company server. The only data that is provided to our server is an encrypted unique identifier and your encrypted Transaction ID.

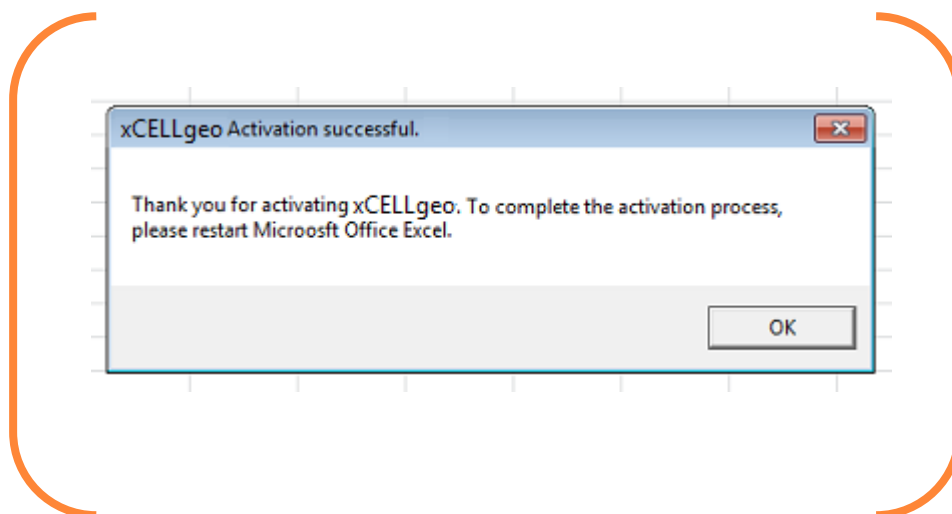


Figure 4-3 – xCELLgeo Activation Success

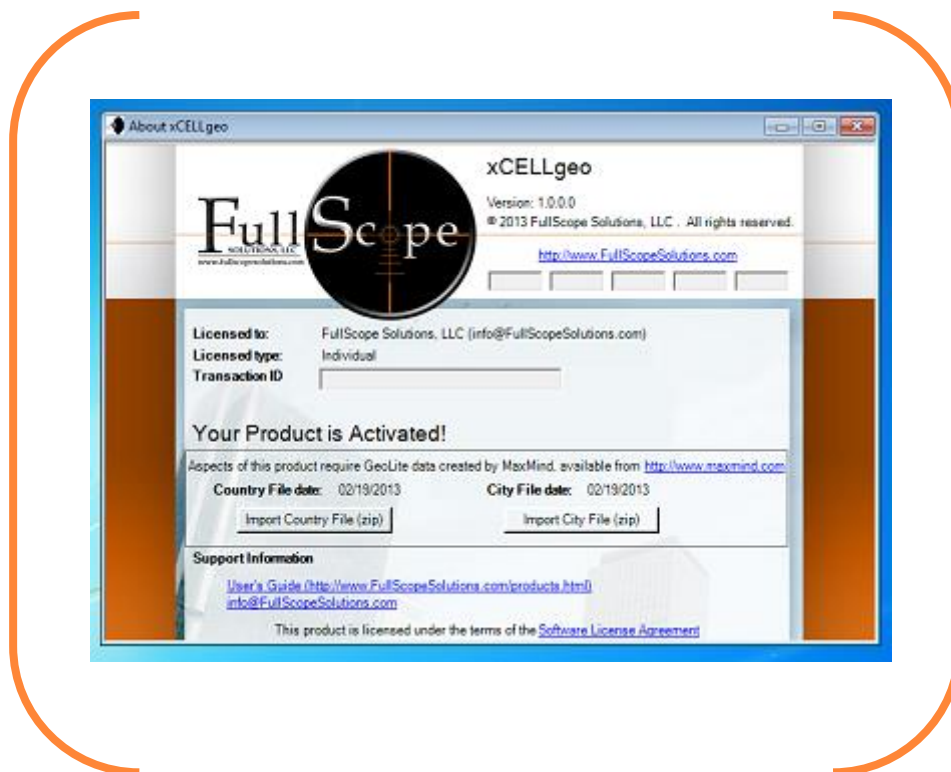


Figure 4-4 – xCELLgeo Activated

4.1 - Automated Activation Instructions

Enterprise license holders or anyone wishing to automate the installation and activation process may do the following:

1. Place your valid license file in the same folder as the xCELLgeo Setup program (xgSetup.exe) and name the license file, "license.xml".
2. Use Notepad, or another text editor, to create a text file named "TID.txt" and enter your 17 character Transaction ID into this file. Save this file in the same folder as the Setup program (xgSetup.exe) and the license file (license.xml),
3. Run the Setup program and your software will install and automatically activate.

5. REPAIR / UNINSTALL

If errors are encountered during the use of xCELLgeo you may attempt a repair by launching the Setup program and selecting "Repair/Re-install xCELLgeo".

Should you desire to uninstall the product, you may do so by launching the Setup program and selecting "Uninstall xCELLgeo".

A copy of the Setup program will be located in 'c:\programdata\FSS' on Windows Vista, 7, and 8 systems and 'c:\Documents and Settings\All Users\Application Data\FSS' folder on Windows XP systems.

You may also use the Microsoft® Windows Control Panel to uninstall xCELLgeo.

After the uninstall process is completed, you may need to manually delete some files.

6. SUPPORT

Please contact <info@FullScopeSolutions.com> with any support needs.