

# Melissa Data Quick Start Guide

## C Sample











This is a guide to help with running the Global Address Object's C Sample

Some quick items to note before beginning:

- The sample was designed to use Microsoft's Visual Studio C/C++ Compiler
- Make sure the Melissa Data Global Address Object and data files are installed on your machine. By default, they should be installed in: 'C:\Program Files\Melissa Data\DQS\Data'
  - If you've installed the Melissa Data objects in a different location, you will need to set the correct path in the GlobalAddressSample.java file

### Step 1 – Copy over required files

Go to the \address\windows\dll\_64bit directory where you installed the Global Data Quality Suite.

Name	Date modified	Type	Size
 globaladdress.cpp	6/3/2015 10:50 AM	C++ Source	5 KB
 makefile	6/3/2015 10:50 AM	File	1 KB
 mdAddr.dll	6/25/2015 4:16 PM	Application extens...	3,690 KB
 mdEnums.h	6/25/2015 4:16 PM	C/C++ Header	2 KB
 mdGeo.dll	6/25/2015 4:16 PM	Application extens...	565 KB
 mdGlobalAddr.dll	7/7/2015 6:28 AM	Application extens...	8,382 KB
 mdGlobalAddr.h	6/3/2015 10:50 AM	C/C++ Header	10 KB
 mdGlobalAddr.lib	6/3/2015 10:50 AM	Object File Library	9 KB
 mdRightFielder.dll	6/25/2015 4:16 PM	Application extens...	2,571 KB
 readme.txt	6/3/2015 10:50 AM	Text Document	2 KB

### Step 2 – Add your LicenseString and DataPath

Open globaladdress.cpp and add in your license and data path directory.

```
using namespace std;

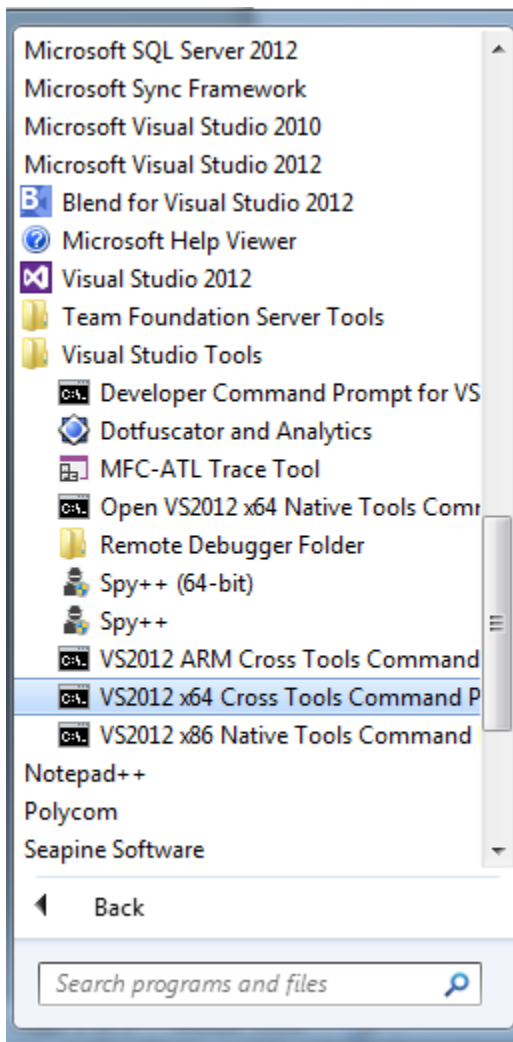
#define dLICENSE "DEMO"
#define dFILELOC "C:\\Program Files\\Melissa DATA\\DQS\\Data"
const char bar[]="=====\n";

mdGlobalAddr.cpp
```

Save the file. You can also set your license by putting it into a system wide environment variable named "MD\_LICENSE".

### Step 3 – Run Sample

Open up the x64 Visual Studio Command Prompt



Navigate to your globaladdress.cpp directory and type "nmake" to run the makefile.

```
VS2012 x64 Cross Tools Command Prompt
C:\Program Files (x86)\Microsoft Visual Studio 11.0\VC>cd C:\Users\Admound\Desktop\NET\dll_64bit
C:\Users\Admound\Desktop\NET\dll_64bit>nmake
Microsoft (R) Program Maintenance Utility Version 11.00.50727.1
Copyright (C) Microsoft Corporation. All rights reserved.
    cl -Zi -EHsc globaladdress.cpp mdGlobalAddr.lib
Microsoft (R) C/C++ Optimizing Compiler Version 17.00.50727.1 for x64
Copyright (C) Microsoft Corporation. All rights reserved.
globaladdress.cpp
Microsoft (R) Incremental Linker Version 11.00.50727.1
Copyright (C) Microsoft Corporation. All rights reserved.
/out:globaladdress.exe
/debug
globaladdress.obj
mdGlobalAddr.lib
C:\Users\Admound\Desktop\NET\dll_64bit>
```

This will compile the code and generate a exe. Go ahead and run that exe to start the sample program.

```
VS2012 x64 Cross Tools Command Prompt - globaladdress.exe
C:\Users\Admound\Desktop\NET\dll_64bit>globaladdress.exe
=====
initializeErrorString:No error.
buildNumber:2600
databaseDate:2015-06-17
databaseExpirationDate:2015-09-17
licenseStringExpirationDate:2015-09-01
=====
INPUTS
=====

Do you want to verify an address <YIN>?Y
Please enter inputAddressLine1:
```