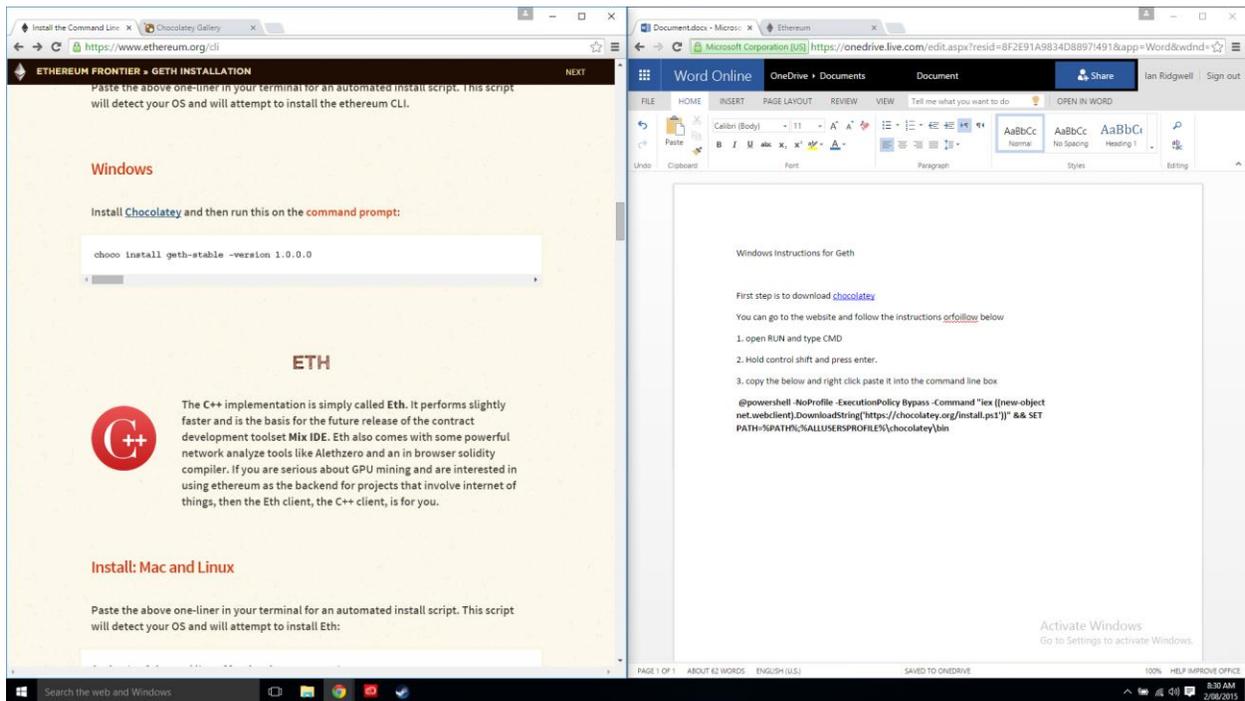


## Windows Instructions for Geth and generating the Genesis block



First step is to download [chocolatey](#)

You can go to the website and follow the instructions or follow below

1. open RUN and type CMD

2. Hold control shift and press enter. (This will force the window to open in Administrator mode)

3. copy the below and right click paste it into the command line box

```
@powershell -NoProfile -ExecutionPolicy Bypass -Command "iex ((new-object net.webclient).DownloadString('https://chocolatey.org/install.ps1'))" && SET PATH=%PATH%;%ALLUSERSPROFILE%\chocolatey\bin
```

Give it some time depending on your net connection.

4. Close the command box and open it again.

5. Paste the below into the command window

**choco install geth-stable -version 1.0.0.0**

you'll have to agree to run the script by typing in 1 and pressing enter.

6. When the process has

finished take note of where the files are installed.

**C:\ProgramData\chocolatey\lib\geth-stable\tools**

is likely.

7. Good news, there is a geth-stable shortcut on your desktop and you are ready to roll.

It is of course not going to work because we don't have a Genesis block.

For future reference here is a link to the geth [command list](#)

8. Now were going to start on generating the Genesis block. Instructions are [here](#) but they suck. We will be paraphrasing.

Start by downloading python and remember to get 2.7 and not 3. Get it from [here](#).

You will want to choose the [Windows x86-64 MSI installer](#) and install it for 64 bit systems and [Windows x86 MSI installer](#) for 32 bit systems.

9. Now that python is install go to

**C:\Python27\Scripts**

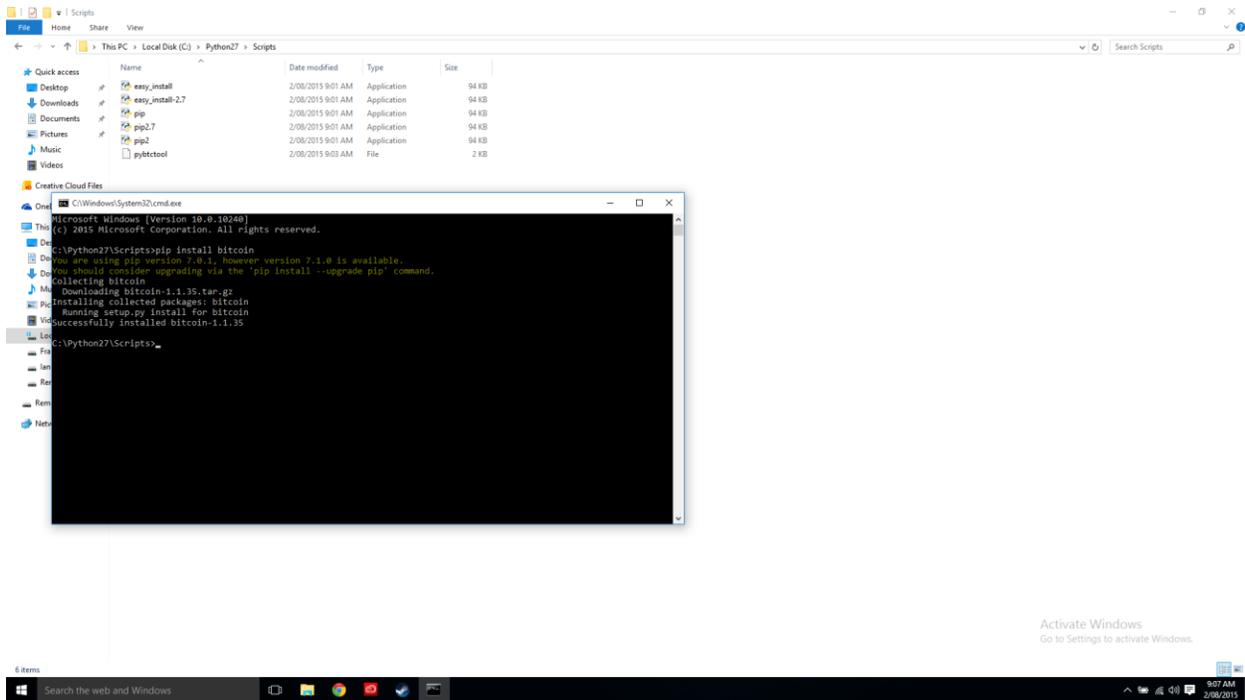
or wherever you installed python and run a command window

There is a trick here. If you type CMD into the address bar and press enter it will open a command window in the currently displayed directory.

Type

**pip install bitcoin**

and wait for it to finish



10. Don't forget to download the Genesis php script from here.

Save it in the python directory.

11. Same trick again

Open the python27 directory and type CMD into the address bar.

The command this time is

```
python mk_genesis_block.py --extradata  
0x11bbe8db4e347b4e8c937c1c8370e4b5ed33adb3db69cbdb7a38e1e50b1b82fa > genesis_block.json
```

And you should see this, its going to take a while.

```
C:\Windows\System32\cmd.exe - python mk_genesis_block.py --extradata 0x11bbe8db4e347b4e4c937c1c837be4b5ed33adb3d69cbd7a38e1e50b1b2fa
Microsoft Windows [Version 10.0.10240]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Python27>python mk_genesis_block.py --extradata 0x11bbe8db4e347b4e4c937c1c837be4b5ed33adb3d69cbd7a38e1e50b1b2fa > genesis_block.json
python: can't open file 'mk_genesis_block.py': [errno 2] No such file or directory

C:\Python27>python mk_genesis_block.py --extradata 0x11bbe8db4e347b4e4c937c1c837be4b5ed33adb3d69cbd7a38e1e50b1b2fa > genesis_block.json
Fetching more transactions... 50
Fetching more transactions... 100
Fetching more transactions... 150
Fetching more transactions... 200
Fetching more transactions... 250
Fetching more transactions... 300
Fetching more transactions... 350
Fetching more transactions... 400
Fetching more transactions... 450
Fetching more transactions... 500
Fetching more transactions... 550
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Fetching more transactions... 1050
Fetching more transactions... 1100
Fetching more transactions... 1150
Fetching more transactions... 1200
Fetching more transactions... 1250
Fetching more transactions... 1300
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Fetching more transactions... 2150
Fetching more transactions... 2200
Fetching more transactions... 2250
Fetching more transactions... 2300
Fetching more transactions... 2350
Fetching more transactions... 2400
Fetching more transactions... 2450

```

12. Once finished it's time to import the Genesis.

if you made the genesis block in the python older (as instructed)you will want to move that file to the geth directory for simplicity. So cut the genesis\_block.json file from the

**c:\python27**

directory and paste it in the geth directory which as above should be

**C:\ProgramData\chocolatey\lib\geth-stable\tools**

13. You'll want to run a command windows here (remember type CMD into the address bar to open the command window in the directory you want). In command type

**geth --genesis genesis\_block.json**

you might get a windows firewall alert. Allow access.

All things being equal you are 100% ready to begin working with Geth.