How to connect to UnicalCoin
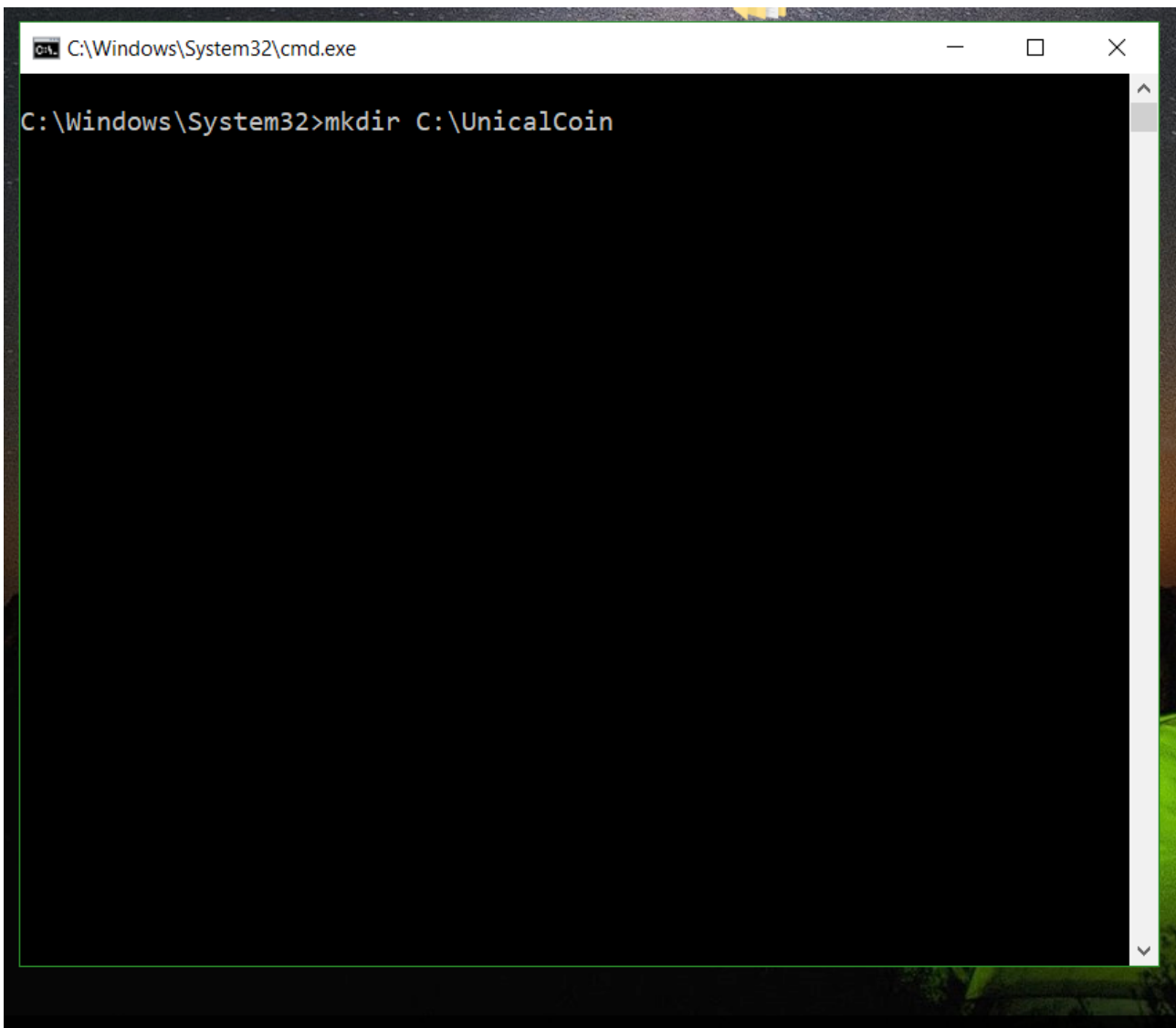
How open terminal in windows:

      A) Click "Start" button;
      B) Digit in the search-bar "cmd"
      C) Press enter

Step 1:

Create a new folder where will be stored all the files relatives to the blockchain, from nw we will refer to this folder whit the placeholder < BLOCKCHAIN_DIR>
example: "**mkdir C:\UnicalCoin**"
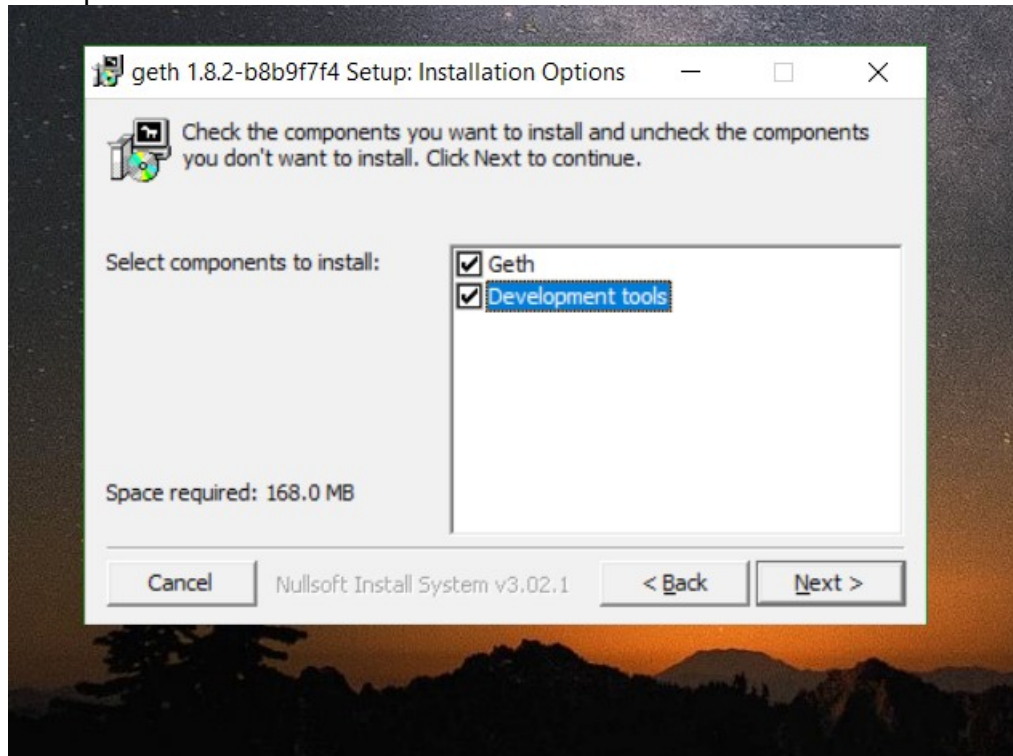
Step 2

Download the genesis.json from https://github.com/marcuzzu/eth_private_network and copy it in the folder < BLOCKCHAIN_DIR>.
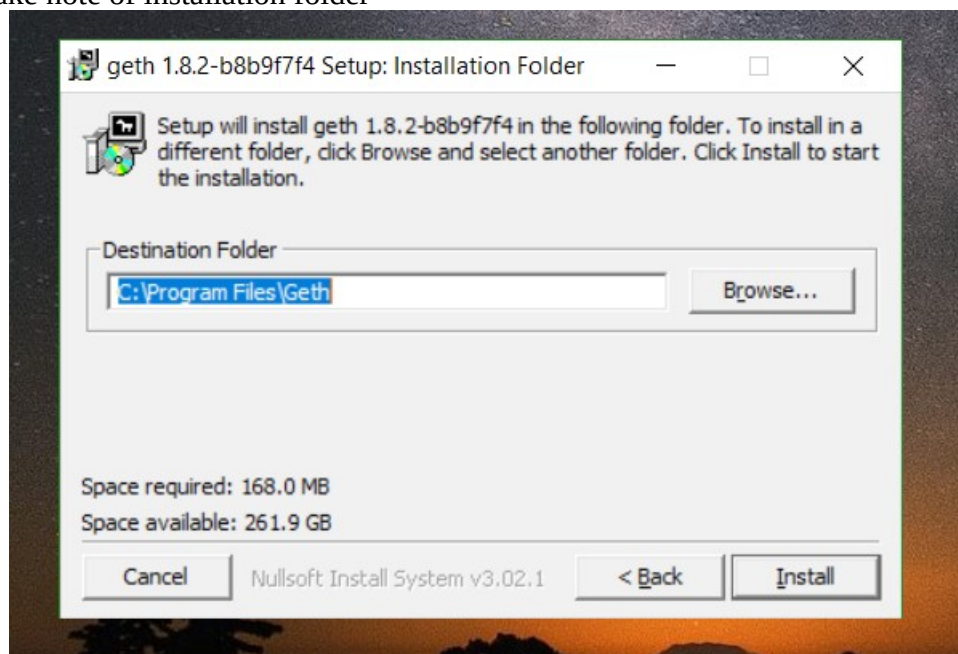Example: "**C:\UnicalCoin**"

Step 3

Download from the official site https://geth.ethereum.org/downloads/ the last version of Geth for your system, and install it. Windows default installation folder is : "C:\Program Files\Geth"
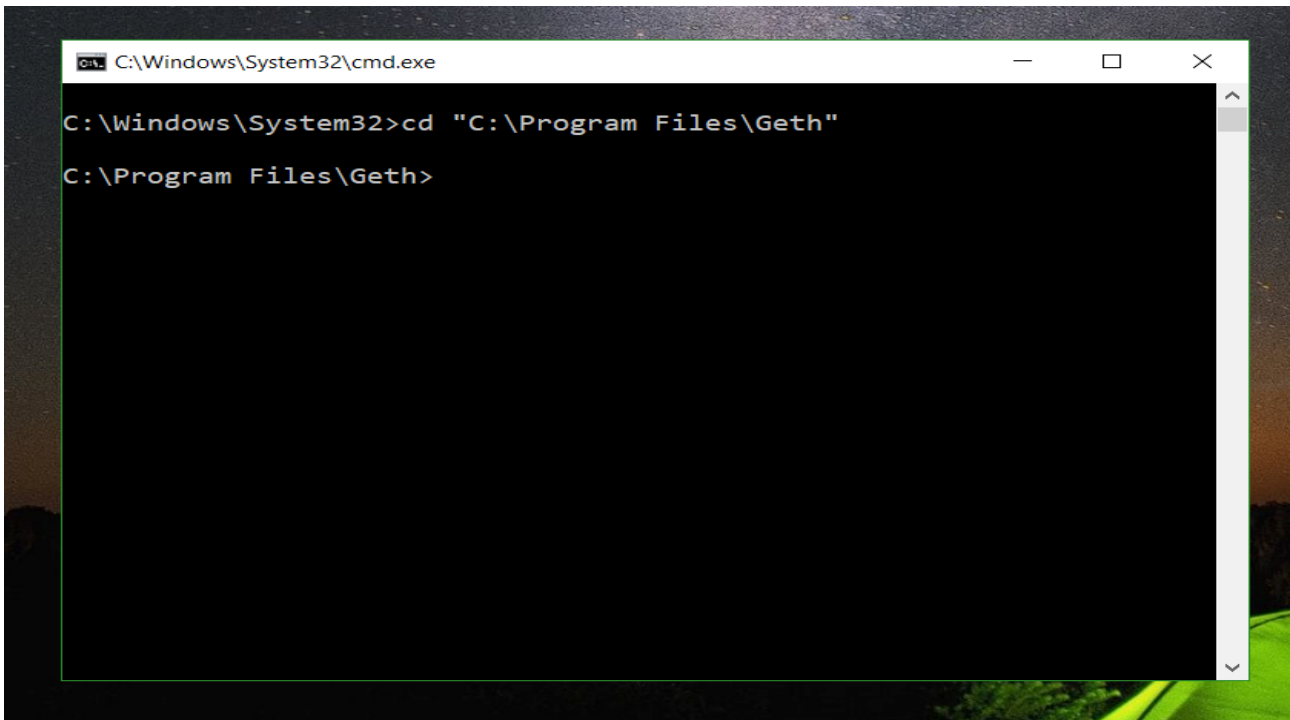
1) check Development tools

2) Take note of installation folder

Step 4

Open a terminal and navigate to the installation folder of "Geth" program:
example: execute in a terminal "**cd "C:\Program Files\Geth"** "

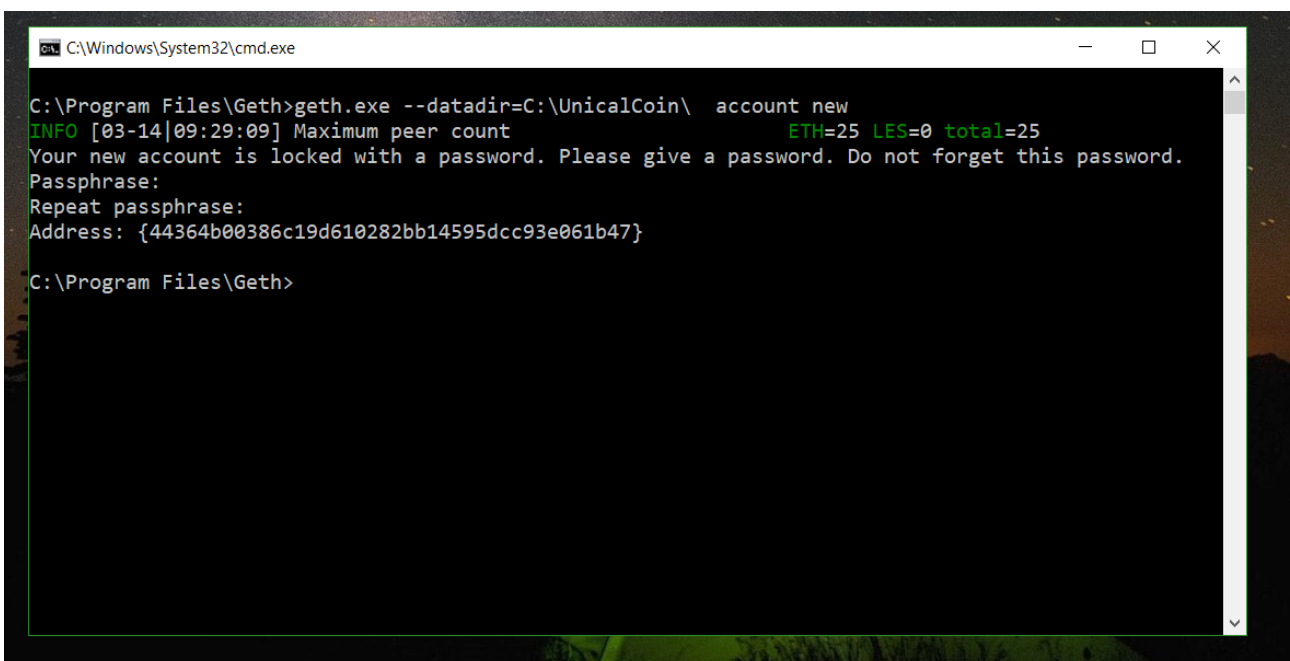# Step 5

Now is time to create your account, so in the same terminal execute de following command:
"geth.exe --datadir=<BLOCKCHAIN_DIR> account new"
the system will ask you to insert a password. Store it in a secure place.
Example: "**geth.exe --datadir=C:\UnicalCoin\ account new**"
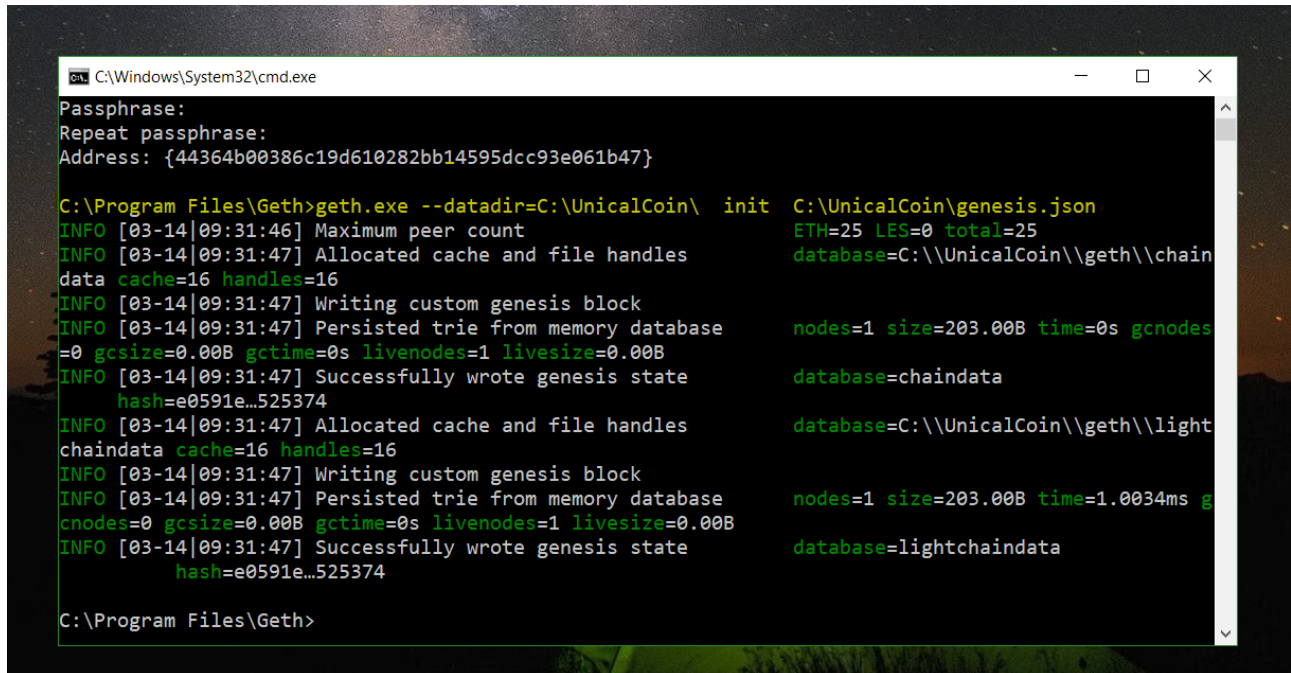
Step 6

Initialize the blockchain using the init command, so from the Geth installation folder execute:
"geth.exe –datadir=<BLOCKCHAIN_DIR> init <BLOCKCHAIN_DIR>\genesis.json
so following our example execute:
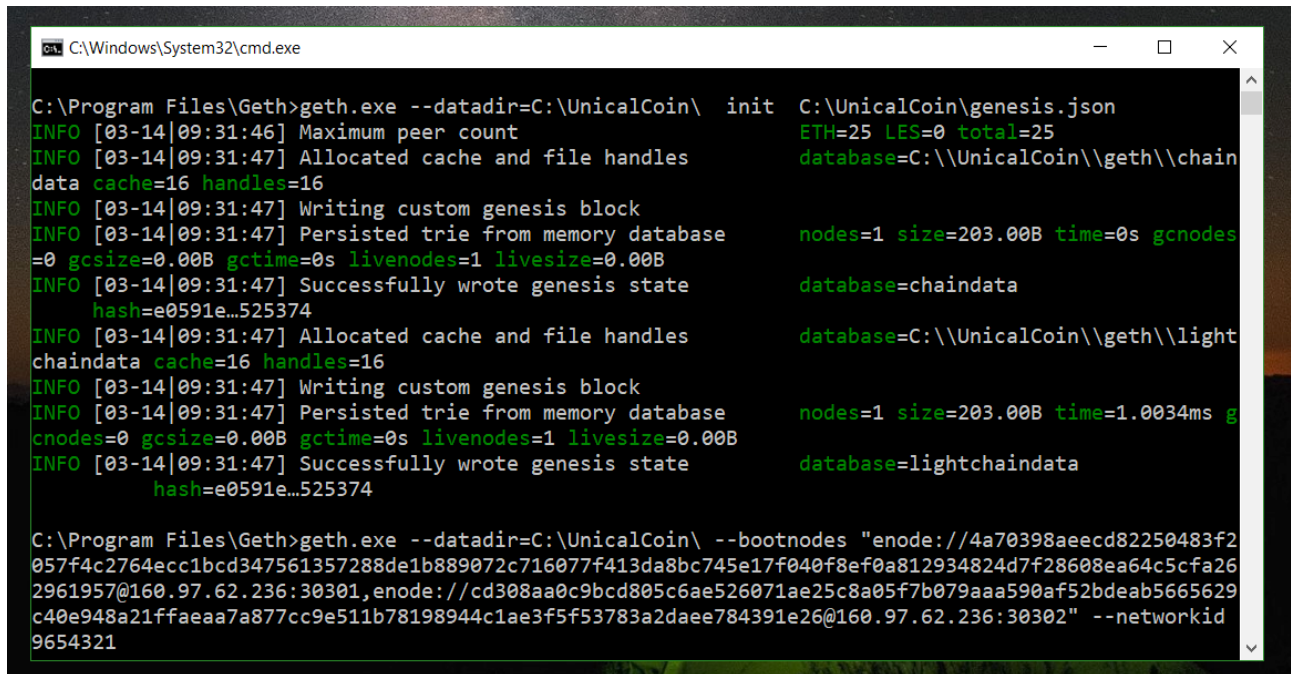"**geth.exe --datadir=C:\UnicalCoin\ init C:\UnicalCoin\genesis.json**"

Step 7

Once finished you can start synchronize whit the UnicalCoin blockchain so in the same terminal execute:

"geth.exe --datadir=C:\UnicalCoin\ --bootnodes "enode://4a70398aeecd82250483f2057f4c2764ecc1bcd347561357288de1b889072c716077f413da8bc745e17f040f8ef0a812934824d7f28608ea64c5cfa262961957@160.97.62.236:30301,enode://cd308aa0c9bcd805c6ae526071ae25c8a05f7b079aaa590af52bdeab5665629c40e948a21ffaeaa7a877cc9e511b78198944c1ae3f5f53783a2daee784391e26@160.97.62.236:30302" –networkid 9654321"

Step 8

After some minutes your node should be synchronized.

1) At the beginning console will show you a lot of imports that mean that you are downloading the blockchain (effectively you are not downloading the entire blockchain but just the header of the previous blocks, this is done by the "Fast synck" mode that is automatic enabled during the first time that you synchronize).

2) After a while the synchronization will finish and you will read on the console " Fast sync complete, auto disabled"

3) Now program is still running because the network still continue the create block, you can notice that by a sequence of log like: "Imported new chain segment..."

NB. is possible to stop and restart the node adding some parameters to the last command:

--mine --minerthreads=1	allow you to start mining with X thread for example 1
2>>C:\UnicalCoin\geth.log	allow you to redirect the lo to a file for example geth.log
--verbosity 4	show much more log
console	anble the javascript console to manage and query the node