

HOW TO MINE



MINING POOL

CodeGeass team made the following tutorial to explain how to mine on the official mining pool

<https://pool.lelouch.co>

PROOF OF WORK

CodeGeass uses the same algorithm than Bitcoin, "Sha256" to solve the POW numeric equation (block hash).

However, CodeGeass uses a different difficulty algorithm called "DarkGravityWave", making the blocks to be mined with very low mining difficulty – a simple CPU is enough to mine CodeGeass and generate new blocks.

In fact, CodeGeass is easier to mine with CPU than with ASICs.

SPECIFICATIONS

Name: CodeGeass
Ticker: lelouch

Block time: 30 seconds
Difficulty time: Each block

Rpc port: 7337
P2p Port: 7338

Algorithm: SHA256
Max Supply: 11,000,010

Premined: 1,000,010
Block Reward: 10

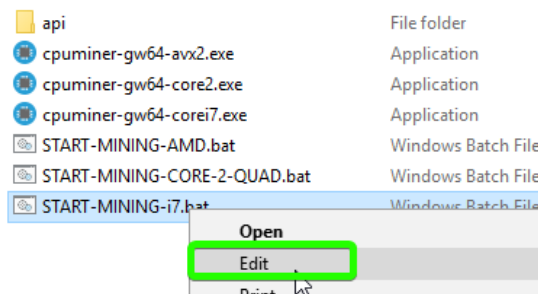
Block maturity: 100 blocks
Halving: 500,000 blocks

CODE GEASS

CPU MINING

Because there are several possible architectures for CPUs, the following tutorial proposes to use cpuminer-multi software from [Tpruvot](#) which can be used on AMD, Intel Core 2 and Intel Core i3 to i7.

- 1 • Download the cpuminer software for Windows [here](#) and unzip the file.
- 2 • If you are using an AMD architecture, edit the corresponding START-MINING-AMD.bat file - right click - "Edit"
 - If you are using an Intel Core 2 architecture, edit the corresponding START-MINING-CORE-2-QUAD.bat file - right click - "Edit"
 - If you are using an Intel Core i3 to i7 architecture, edit the corresponding START-MINING-i7.bat file - right click - "Edit"



- 3 • Replace the text *WALLETADDRESS* by your actual wallet address, then save the file.

```
30 -u WALLETADDRESS -p c
```

- 4 • Start the .bat file by double clicking on it. You shall see a ms-dos window showing your actual hashrate.

A screenshot of a Windows command prompt window. The window title is 'C:\Windows\system32\cmd.exe'. The output shows the following text:

```
CPU: Intel(R) Core(TM) i7-9700K CPU @ 3.60GHz
SW built on Feb 21 2022 with GCC 9.3.0
CPU features: AVX2 AES
SW features: AVX2 AES
Algo features: AVX512

Starting miner with AVX2...

[2022-04-05 15:27:55] CPU affinity [!!!!!!!]
[2022-04-05 15:27:55] Stratum connect stratum.lelouch.co:7330
[2022-04-05 15:27:55] 8 of 8 miner threads started using 'sha256d' algorithm
[2022-04-05 15:27:56] Stratum extranonce1 0x81000006, extranonce2 size 4
[2022-04-05 15:27:56] Stratum connection established
[2022-04-05 15:27:56] New Stratum Diff 0.1, Block 303, Job 655
Diff: Net 2.1091e-005, Stratum 0.1, Target 0.1
[2022-04-05 15:27:57] 1 Submitted Diff 0.1778, Block 303, Job 655
[2022-04-05 15:27:57] 1 A1 S0 R0 BLOCK SOLVED 1, 1.604 sec (80ms)
Diff 0.1778, Block 303, Job 655
```

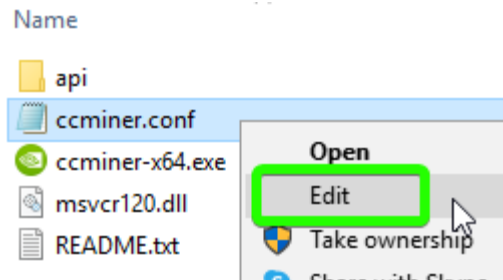
A green checkmark is drawn on the right side of the window.

NVIDIA GPU MINING

There are two main categories of GPUs: AMD and Nvidia. The following tutorial will explain about how to mine with the Nvidia gpus with the miner software from [Tpruvot](#) called ccminer.

1 • Download the ccminer software for Windows [here](#) and unzip the file.

2 • Edit the ccminer.conf file - right click - "Edit"



3 • Replace the text *WALLETADDRESS* by your actual wallet address, then save the file.

```
l" : "stratum+tcp://stratum.  
er" : "WALLETADDRESS",  
ss" : "c=1elouch"
```

4 • Start the ccminer-x64.exe file by double clicking on it. You shall see a ms-dos window showing your actual hashrate.

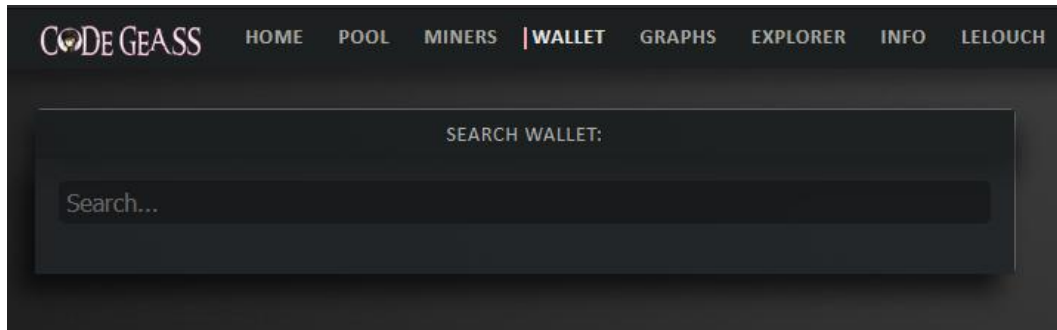
A screenshot of a Windows command prompt window with a black background and green text. A large green checkmark is drawn in the top right corner. The text shows the following output:

```
[2022-04-05 15:45:08] Starting on stratum+tcp://stratum.1elouch.co:7330  
[2022-04-05 15:45:08] NVML GPU monitoring enabled.  
[2022-04-05 15:45:08] NVAPI GPU monitoring enabled.  
[2022-04-05 15:45:08] 1 miner thread started, using 'sha256d' algorithm.  
[2022-04-05 15:45:09] Stratum difficulty set to 0.1  
[2022-04-05 15:45:09] sha256d block 304, diff 0.000  
[2022-04-05 15:45:09] GPU #0: Intensity set to 22, 4194304 cuda threads  
[2022-04-05 15:45:12] GPU #0: EVGA NVIDIA GeForce RTX 2080 Ti, 2462.73 MH/s  
[2022-04-05 15:45:14] accepted: 1/1 (diff 1.796), 2436.69 MH/s yay!!! solved: 1  
[2022-04-05 15:45:14] sha256d block 305, diff 0.000  
[2022-04-05 15:45:14] accepted: 2/2 (diff 1.854), 2408.56 MH/s yay!!! solved: 2  
[2022-04-05 15:45:14] sha256d block 306, diff 0.000  
[2022-04-05 15:45:15] accepted: 3/3 (diff 1.294), 2404.49 MH/s yay!!! solved: 3  
[2022-04-05 15:45:15] sha256d block 307, diff 0.000
```

Your hashrate on the mining pool

Navigate to the [wallet page](#) of the mining pool. Type in your wallet address to the search bar and press enter or click on "Submit" button.

You shall see your hashrate displayed on the wallet page.



Rent hardware miners

There are two main companies offering the possibility of renting miners: [NiceHash](#) and [MiningRigRentals \(MRR\)](#).

[NiceHash](#) is the ideal for high rent hashrate to a reduced price. While [MiningRigRentals](#) is great for renting minimal hashrate possible. Both are great with their respective specifications.



[NiceHash](#)

How to rent hashrate on NiceHash



[MiningRigRentals](#)

How to rent hashrate on MiningRigRentals