SumoKoin Windows CPU mining

Sumokoin

About

Sumokoin is digital Cash For Highly-Confidential Transactions.
Official website

Main characteristic

- **Private**
  SUMOKOIN is created with a high level of privacy in mind, setting Ring Confidential Transactions (RingCT) with minimum ringsize (mixin) of 12 to conceal sources/amounts transferred and make it high resistance to blockchain analysis
- **Untraceable**
  SUMOKOIN is untraceable; sending and receiving addresses are encrypted, transacted amounts are obfuscated by default. Transactions on the SUMOKOIN blockchain cannot be linked to a particular user or real-world identity.
- **Decentralized**
  SUMOKOIN follows Satoshi Nakamoto's vision of decentralized, trustless cryptocurrency, i.e. a secure digital cash operated by a network of users. Transactions are confirmed by distributed consensus, and then recorded on the blockchain immutably. Third-parties do not need to be trusted to keep your SUMOKOIN safe.
- **Fungible**
  SUMOKOIN is truly fungible, thanks to built-in privacy features. Just like cash, all SUMOKOIN are equal, changeable. It is extremely unlikely that coin will ever be blacklisted by any party due to its association in previous transactions.

Wallet

Sumokoin has its own GUI wallet for Windows, MacOSX and Linux.
See the Wallet page on how it works.

Mining Pool

I'm using the official Sumokoin pool but there are many others.
The official pool has a 1 % fee and has a payout of 0.5 SUMO.
When selecting a mining pool when mining with a mobile device with a low hashrate it is important to take a pool with a low payout.
You won't be generating a lot of coins over a short amount of time so you want to be able to get your mined coins on a higher frequency, keep in mind if you stop mining before the minimum payout has reached they won't give you your mined coins.
Also try to pick a pool closeby, this will also help with mining.
You can always visit the website of your pool and insert your address to look at the progress you are making showing your statistics.
Recently I've been mining on Spacepools as they have an adjustable payout and a 0.1% fee.
They also have many other cryptonight pools.
I really suggest using this one.
You can also find different Sumokoin pools on the sumopools website.

- Official pool
- Sumopools
- Spacepools

Tools

XMR-stak-cpu

XMR-stak-cpu is a very easy to use and very configurable tool.
You can find the tool on their official github.
During the instructions I'll also include links to pre-configured setups.

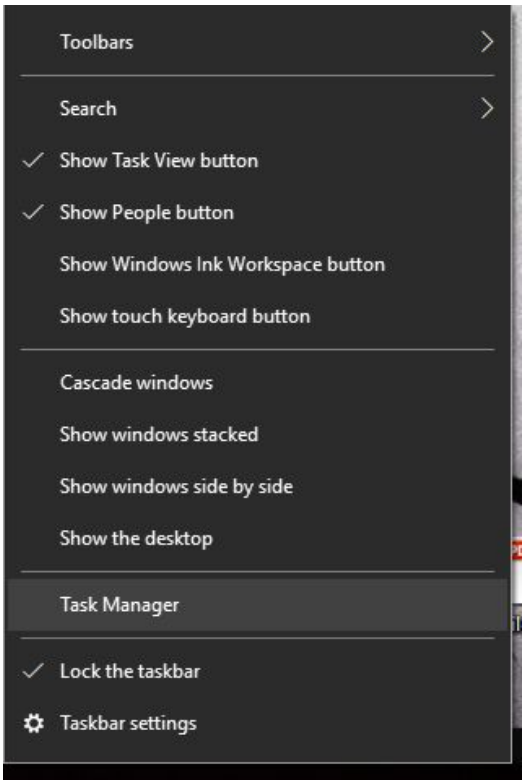
Instructions

Risks

Before mining please make sure you are aware of the risks involved.

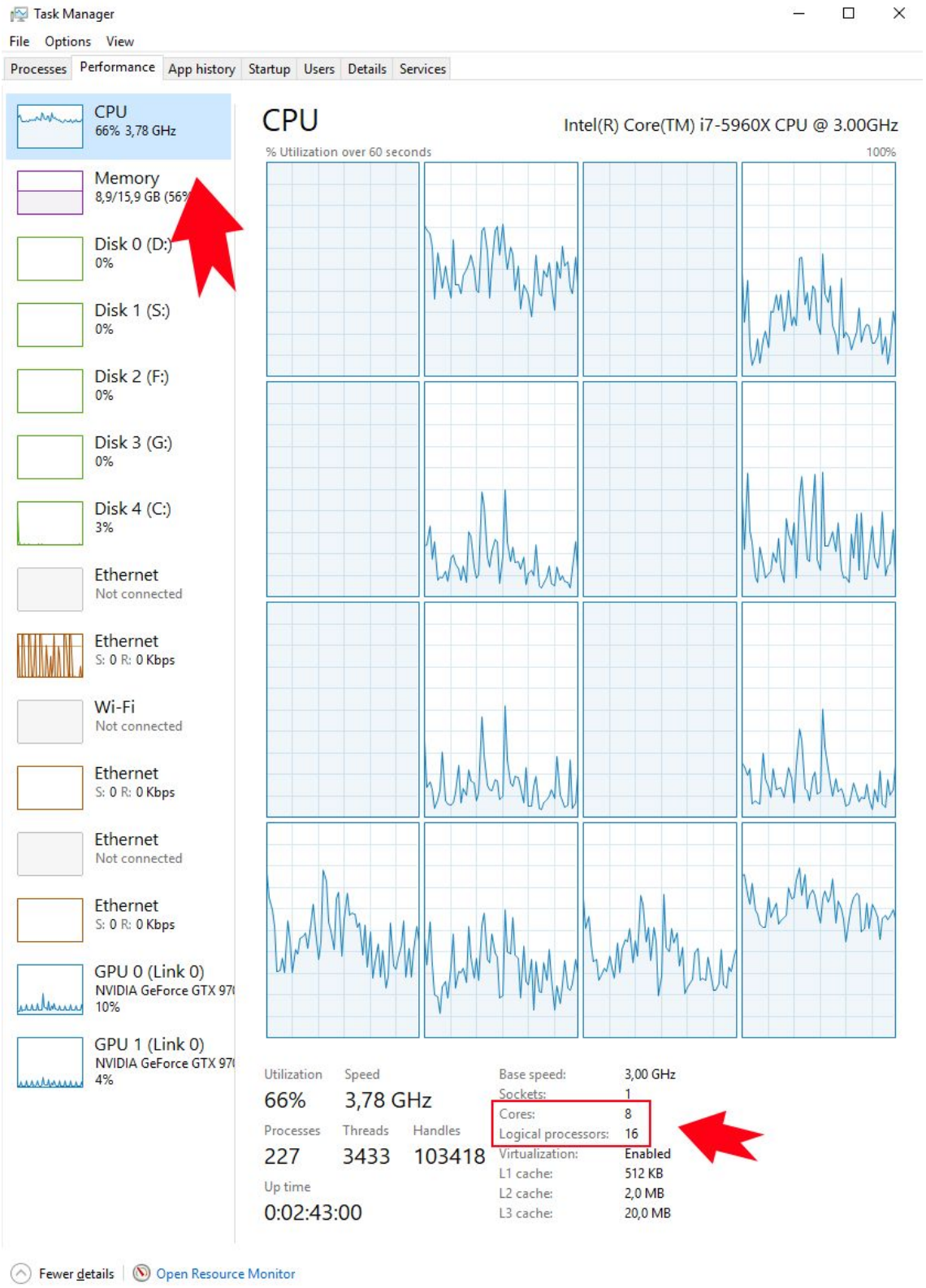
Written instructions

- Determine what kind of CPU you have and the amount of cores.
    - Open the task manager
      by pressing Ctrl+shift+Escape
      By right clicking the Taskbar on the bottom and selecting "Task Manager"



- Then go to the performance tab and look at the cores and threads on the bottom.

- You need to know the amount of cores.



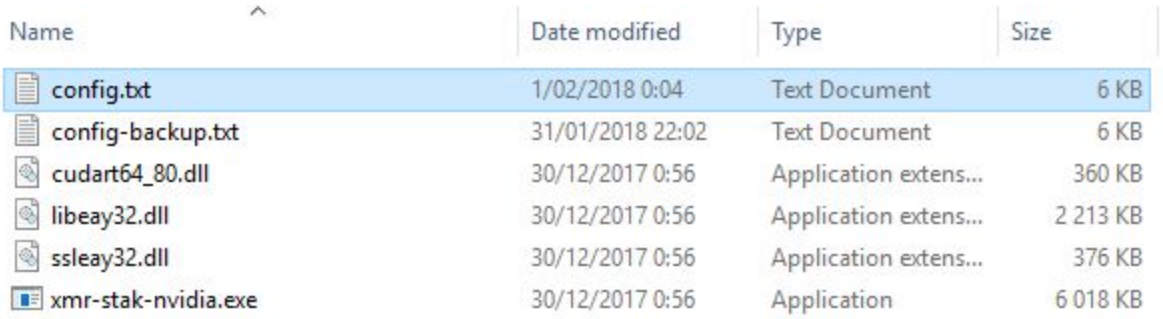
- I always suggest to run on half of your cores, so if it is saying 4 cores mine on 2 coins as this will not stress your CPU that much.
  Personally I've also found out, if 1 miner is using more than 50 or 75% of your Cores, it will mine less for more power.

  due to cpu's with hyperthreading, These miners are set up to only use the uneven cores. So in most cases you won't be able to use a configuration higher than half the amount of cores you have.
  (only when having hyperthreading, you can see this if your threads are double of your cores).

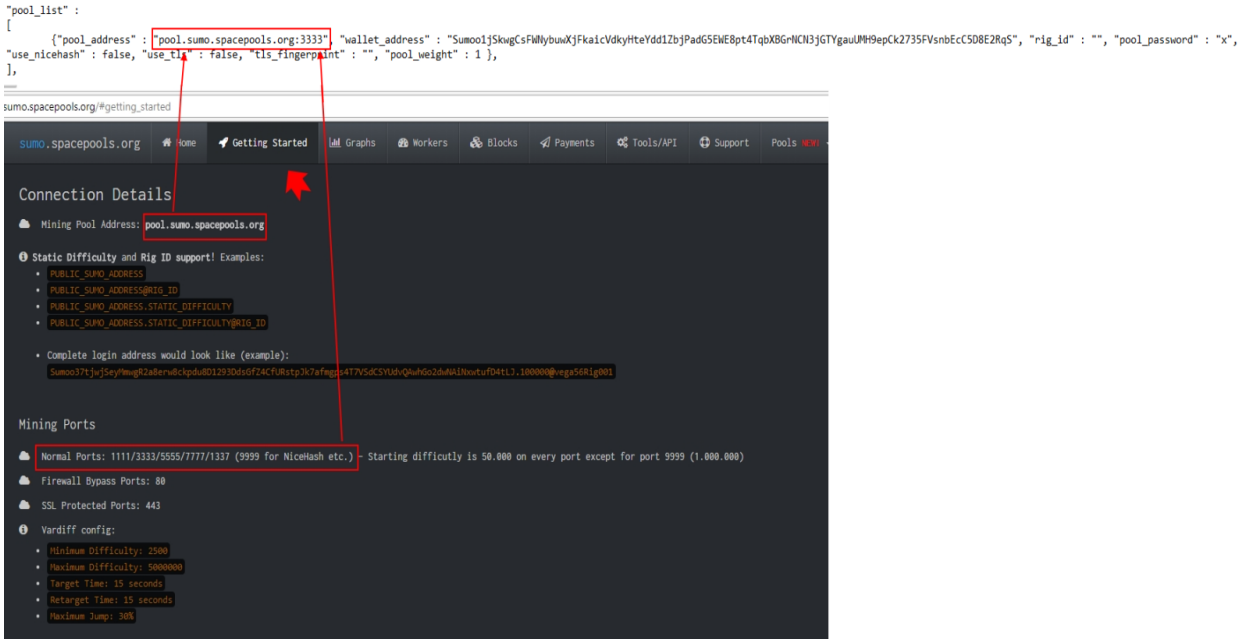
Amount of cores on CPU	Suggested mining cores	Link to miner
2 cores	1 core	1 Core miner
4 cores	2 cores	2 Core miner
6 cores	3 cores	3 Core miner
8 cores	4 cores	4 Core miner
12 cores	6 cores	6 Core miner

- After downloading these preconfigured miners extract it somewhere and open the folder

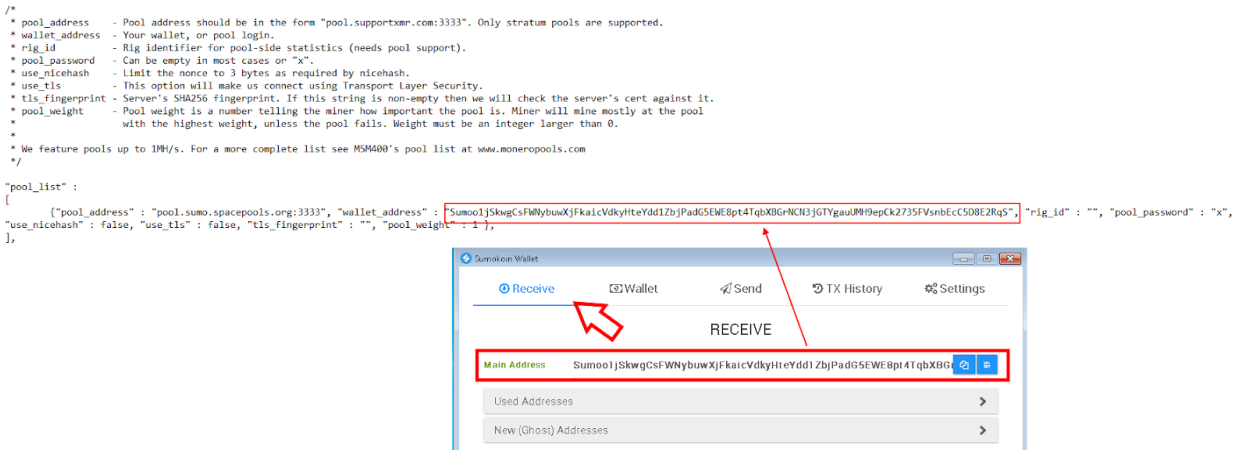
- Next step is to open the configuration file (config.txt)



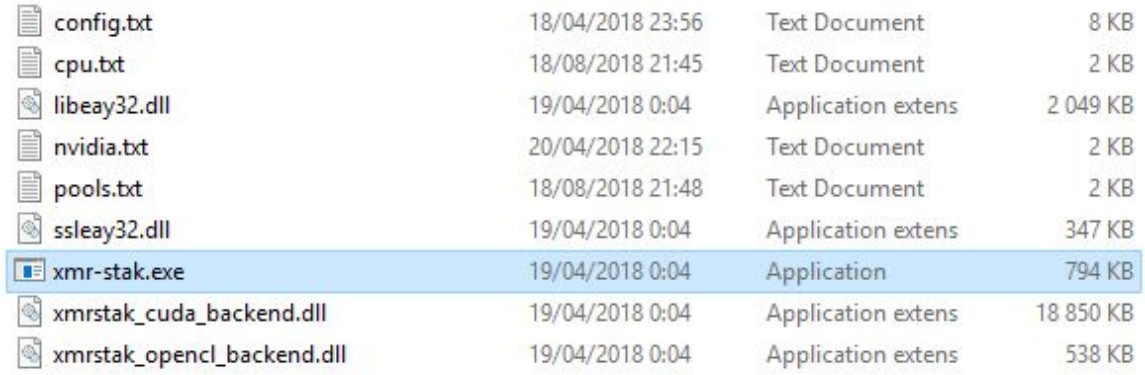
- Once you've chosen the mining pool you can add this to the pools.txt file
  You'll see "pool_list" with a long line under it here you can fill in the "pool_address"
  The pool information can usually be found under the getting started Tab



- Next up is to add your Wallet address which is located after the pool_address

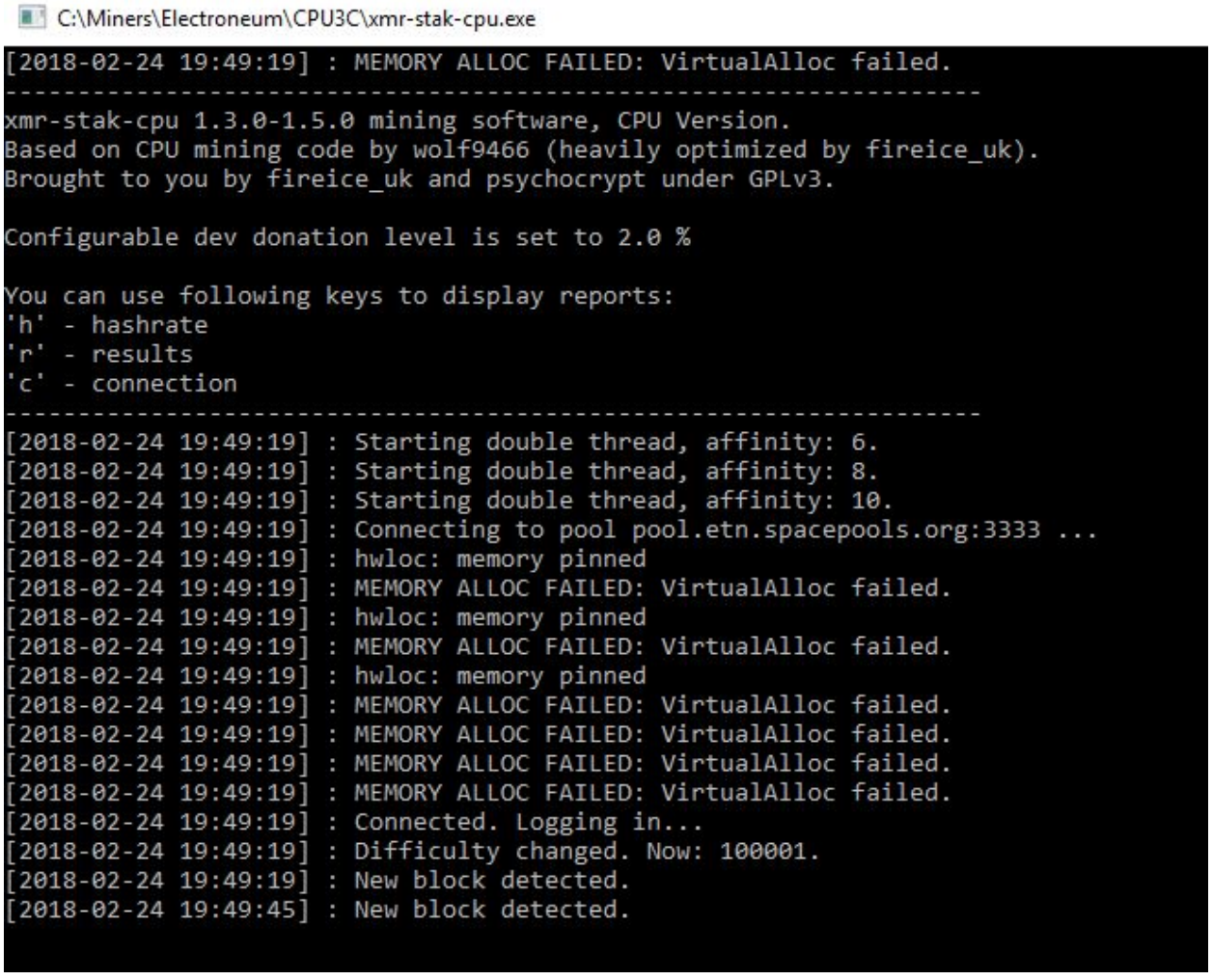


- Now just fire up the program.



config.txt	18/04/2018 23:56	Text Document	8 KB
cpu.txt	18/08/2018 21:45	Text Document	2 KB
libeay32.dll	19/04/2018 0:04	Application extens	2 049 KB
nvidia.txt	20/04/2018 22:15	Text Document	2 KB
pools.txt	18/08/2018 21:48	Text Document	2 KB
ssleay32.dll	19/04/2018 0:04	Application extens	347 KB
xmr-stak.exe	19/04/2018 0:04	Application	794 KB
xmrstak_cuda_backend.dll	19/04/2018 0:04	Application extens	18 850 KB
xmrstak_opencl_backend.dll	19/04/2018 0:04	Application extens	538 KB

- A console window will pop up and start mining.
  In my configuration it will post the hashrate every few minutes.
  You can also press the h button for this.



```
C:\Miners\Electroneum\CPU3C\xmr-stak-cpu.exe
[2018-02-24 19:49:19] : MEMORY ALLOC FAILED: VirtualAlloc failed.
--------------------------------------------------------------------------------
xmr-stak-cpu 1.3.0-1.5.0 mining software, CPU Version.
Based on CPU mining code by wolf9466 (heavily optimized by fireice_uk).
Brought to you by fireice_uk and psychocrypt under GPLv3.

Configurable dev donation level is set to 2.0 %

You can use following keys to display reports:
'h' - hashrate
'r' - results
'c' - connection
--------------------------------------------------------------------------------
[2018-02-24 19:49:19] : Starting double thread, affinity: 6.
[2018-02-24 19:49:19] : Starting double thread, affinity: 8.
[2018-02-24 19:49:19] : Starting double thread, affinity: 10.
[2018-02-24 19:49:19] : Connecting to pool pool.etn.spacepools.org:3333 ...
[2018-02-24 19:49:19] : hwloc: memory pinned
[2018-02-24 19:49:19] : MEMORY ALLOC FAILED: VirtualAlloc failed.
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[2018-02-24 19:49:19] : Connected. Logging in...
[2018-02-24 19:49:19] : Difficulty changed. Now: 100001.
[2018-02-24 19:49:19] : New block detected.
[2018-02-24 19:49:45] : New block detected.
```

Now you just have to let the device do its calculations and you will start gaining Sumo