

Running Verium CPU Miner

Pre-reqs

1. You have created or have a Linux install. (see “Creating a bootable Linux based USB stick.pdf” if needed)
2. You have downloaded and installed cpuminer. (see doc “Install Verium CPU Miner on Linux.pdf” if needed)
3. Created online mining account:

<https://vrm.poolinat0r.com>

or for older slow computers try pool

<https://vrm2.poolinat0r.com>

4. The pool website will provide address and port for the miner to connect to on poolinat0r this is in the green bow shown below:

Download windows CPU miner here (precompiled): <https://vrm.poolinat0r.com/cpuminer-opt-3.4.6-windows.7z>
The blockfinder bonus is active! 0.51337 VRM are added to each block the pool is finding. In order to keep this as fair as possible i will have to ban bigger miners if someone is coming and mine here.
Use this to connect SLOW miners: [eu2.poolinat0r.com:7103](https://vrm.poolinat0r.com:7103) // bigger miners: [eu2.poolinat0r.com:7104](https://vrm.poolinat0r.com:7104)
Happy mining :-)

When creating the account remember to create the workers

- a. To add workers use the “add new worker” area circled in blue in the picture below
- b. The workers then appear in the area circled in orange. We need the worker name and password later
- c. The area circled in red is your user name this is needed later

The screenshot shows two parts of the pool website interface. On the left is the 'Add New Worker' form, which has a blue border. It contains two input fields: 'Worker Name' with the value 'user' and 'Worker Password' with the value 'password'. Below these fields is a green 'Add New Worker' button. On the right is the 'Worker Configuration' table, which has an orange border. The table has columns for 'Worker Login', 'Worker Password', 'Active', 'Monitor', 'Khash/s', 'Difficulty', and 'Action'. There are three rows of worker data, each with a red box around the 'Worker Login' column. The first row has 'Bob.' in the 'Worker Login' column, 'worker1' in the 'Worker Password' column, and 'OFF' in the 'Monitor' column. The second row has 'Bob.' in the 'Worker Login' column, 'worker2' in the 'Worker Password' column, and 'OFF' in the 'Monitor' column. The third row has 'Bob.' in the 'Worker Login' column, 'worker3' in the 'Worker Password' column, and 'OFF' in the 'Monitor' column. Below the table is a green 'Update Workers' button.

Worker Login	Worker Password	Active	Monitor	Khash/s	Difficulty	Action
Bob.	worker1	×	OFF	0	0.00	🗑️
Bob.	worker2	×	OFF	0	0.00	🗑️
Bob.	worker3	×	OFF	0	0.00	🗑️

To mine you will need the following information from the pool

- Pool address and port
- Username
- Worker name
- Worker password

Now we have the cpuminer installed and a miner account setup lets start the miner mining

1. Open a terminal window (Ctrl, Alt, t)
2. Move into the miner folder with command below

```
cd veriumMiner
```

3. Example command to start the miner is shown below. The pool address, pool address port, username, worker name and worker password all need to be your own.

`./cpuminer -o stratum+tcp://eu2.poolinat0r.com:7103 -O Bob.worker1:ralf -t X`

Annotations in the diagram:
- Purple bracket: web address and port provided by pool
- Red bracket: Username, Worker name worker password
- Blue arrow: small letter o
- Blue arrow: capital O

Note. The username, worker name and password are all case sensitive

A working client is shown below

```
verium@verium:~/veriumMiner$ ./cpuminer -o stratum+tcp://eu2.poolinat0r.com:7103 -O Bob.worker1:ralf -t X
Verium Miner forked from cpuminer-multi 1.3-dev by tpruvot@github **
[2017-06-25 22:02:14] 1 miner threads started, using 'scrypt2' algorithm.
[2017-06-25 22:02:14] Starting Stratum on stratum+tcp://eu2.poolinat0r.com:7103
[2017-06-25 22:02:20] Stratum difficulty set to 0.03
[2017-06-25 22:02:23] Total: 311.32 H/m
[2017-06-25 22:03:19] Total: 335.04 H/m
[2017-06-25 22:04:16] Total: 331.00 H/m
[2017-06-25 22:05:12] Total: 329.61 H/m
[2017-06-25 22:06:14] Total: 301.52 H/m
[2017-06-25 22:06:45] eu2.poolinat0r.com:7103 scrypt2 block 95176
[2017-06-25 22:06:46] Total: 299.73 H/m
[2017-06-25 22:07:34] Total: 310.51 H/m
[2017-06-25 22:08:34] Total: 314.86 H/m
[2017-06-25 22:09:05] Total: 320.82 H/m
[2017-06-25 22:09:09] accepted: 1/1 (100.00%), 0.01 kH/s yes!
[2017-06-25 22:10:07] Total: 301.63 H/m
[2017-06-25 22:10:24] eu2.poolinat0r.com:7103 scrypt2 block 95177
[2017-06-25 22:10:26] Total: 308.29 H/m
[2017-06-25 22:11:26] Total: 309.42 H/m
[2017-06-25 22:12:26] Total: 317.12 H/m
```

This completes the pool and miner setup