Getting started with MeowPow

A visual guide on how to mine MeowPoW using the testnet

Meowcoin Project

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Review: 1.3

Contents

MEOWCOIN

Links to tools and utilities

Preliminary steps

- Backup wallet and install the Core Wallet 2.0.3

Running the Core Wallet in the testnet

- Configuration file and nodes
- Exploring the blocks at the testnet

Installing and running MeowPowMiner (MPN)

- Preparing to connect to a pool
- Configuring the mining software

Mining against your own node w/ MPM

- Basic, Flexible and advanced setups

Reporting issues and giving feedback

MEOWCOIN

Links

Tools and utilities to play at the testnet

Useful links MeowPow

MEOWCOIN

1.- Core Wallet 2.0.3

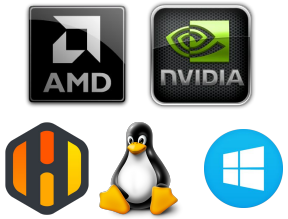
https://github.com/Meowcoin-Foundation/Meowcoin/releases/tag/Meow-v2.0.3

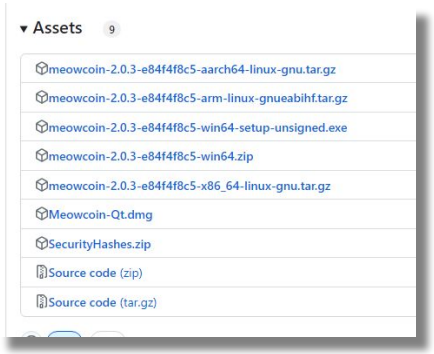
2.- MeowPowMiner 2.0.0

MeowPowMiner

LINK- ALL VERSIONS

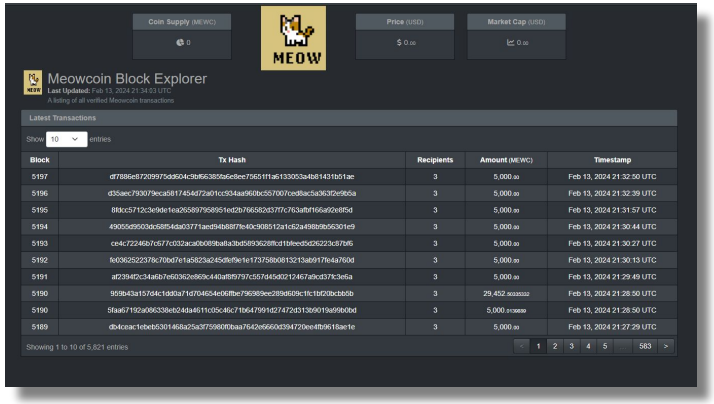
Testnet verified





3.- Testnet Block Explorer

https://mewc-explorer.coinminerz.com/

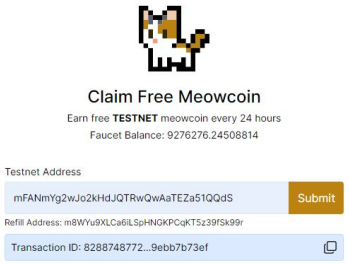


4.- MeowPow mining pool - testnet

https://testnet.coinminerz.com/pool/Meowcoin

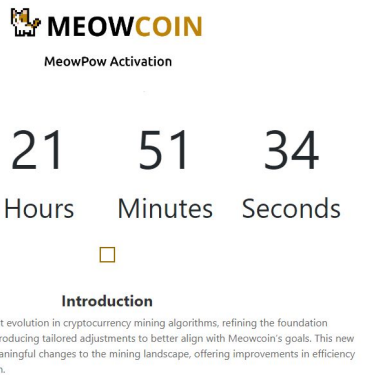
5.- Testnet Faucet

https://tmewc.netlify.app/



6.- MeowPow countdown

https://zachchan105.github.io/MeowPowCountdown/



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Preliminary Steps

For current Core Wallet users

Preliminary Steps - for current Core Wallet users

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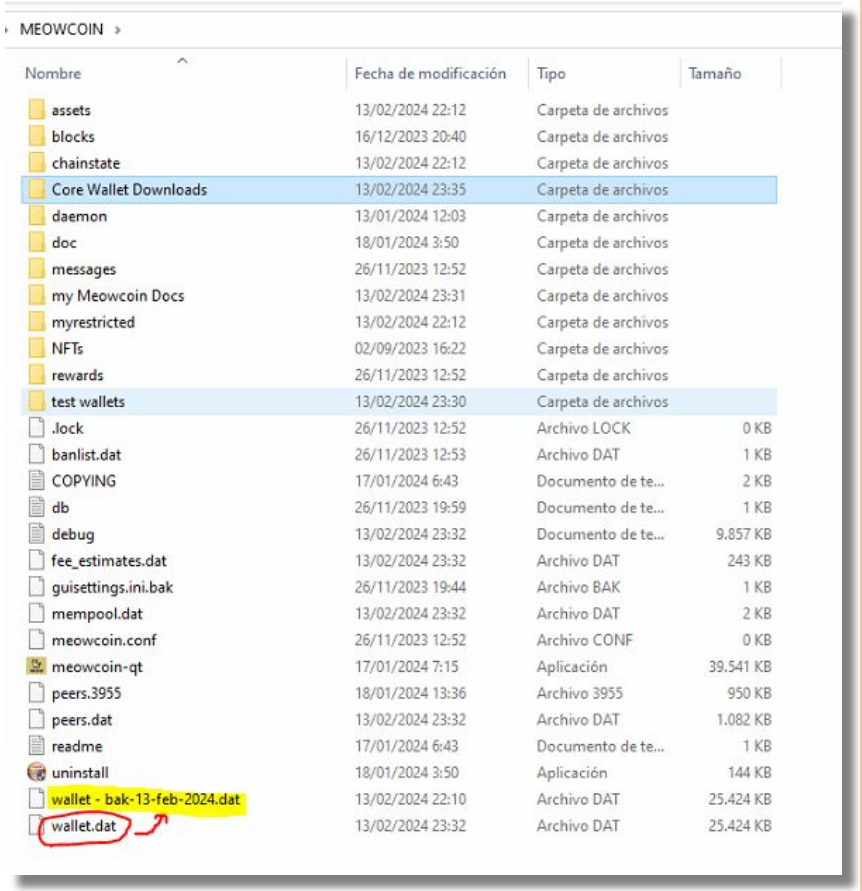
If you are installing the Core Wallet 2.0.3 in a system where another version is installed, then backup your wallet.dat file

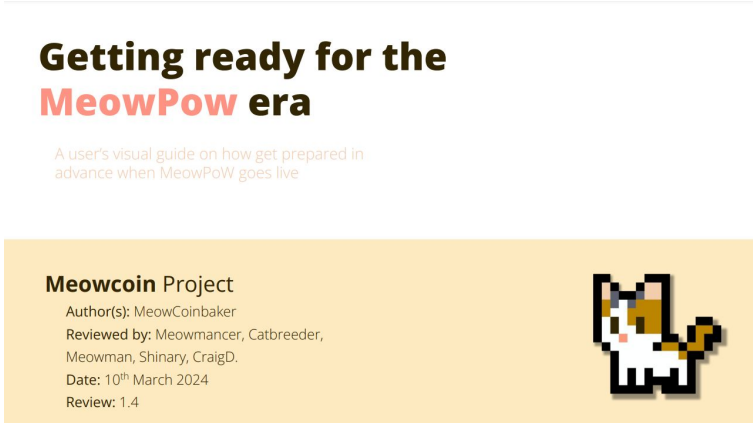
Core Wallet 2.0.3 will access your existing Core Wallet folders, and will consider your wallet.dat file as the good wallet file.



Installing and Running Details

You can find extensive information on how to install and execute the Core Wallet in this guide.

Getting ready for the MeowPow era



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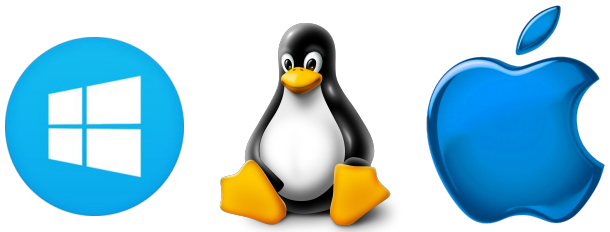
Core Wallet

Running on the testnet



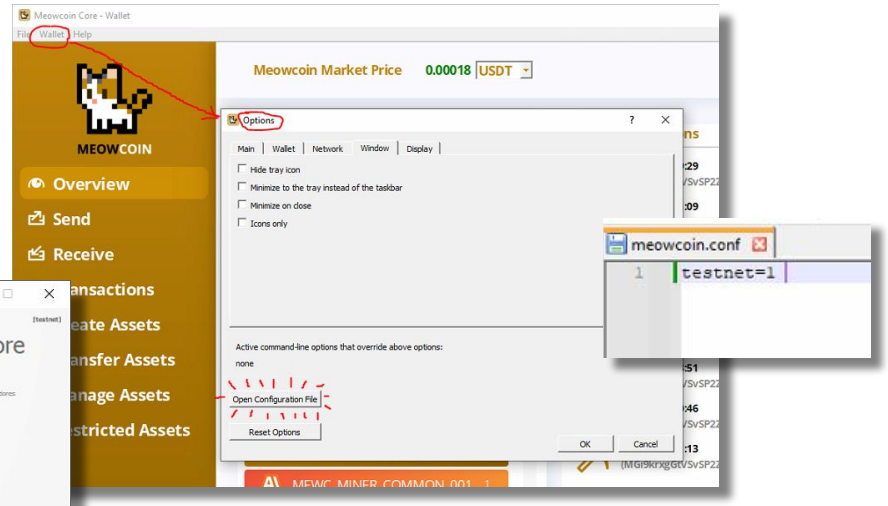
Running the Core Wallet 2.0.3 on the testnet

MEOWCOIN

1.- Prepare the configuration file to activate the testnet

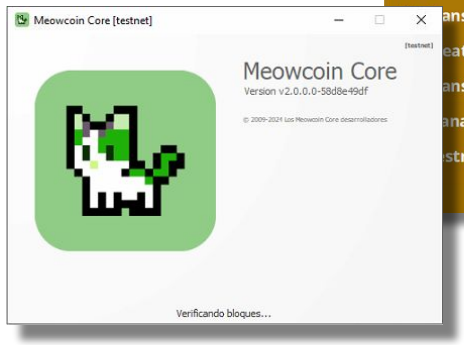
Configure the usage of the testnet by modifying the configuration file:

- Go to menu Wallet >> Options >> Open Configuration File
- Then type this line and save: `testnet = 1`



2.- Relaunch the Core Wallet

Close the Core Wallet and open it again. It will look different at boot when in the testnet.
This test mode of the Core Wallet only uses MeowPow.

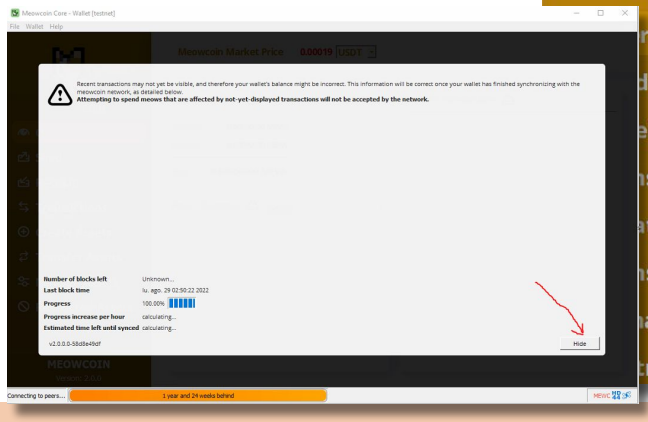


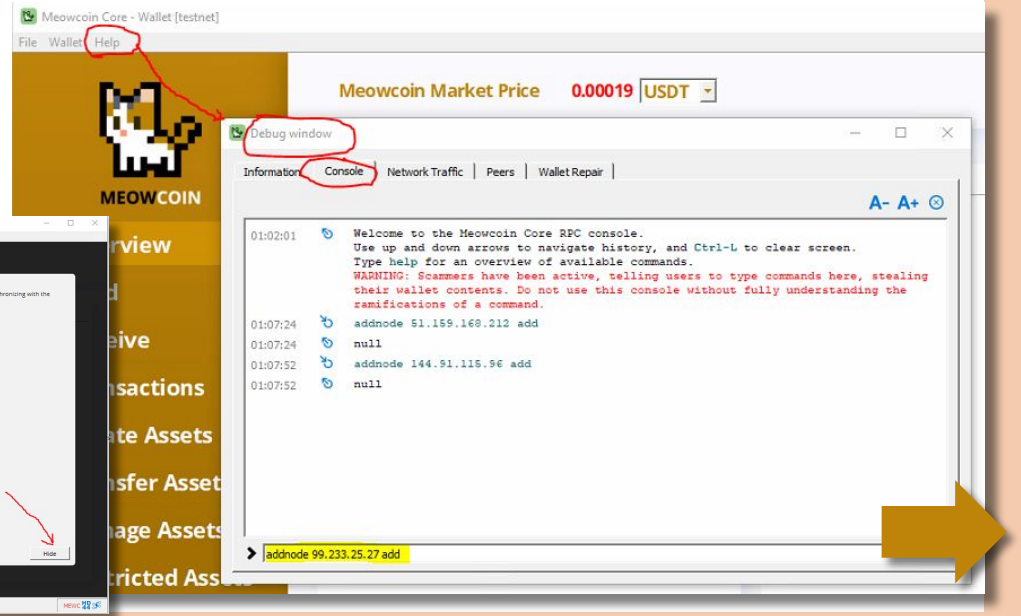
3.- Add peer nodes

You will be prompted to create or import a wallet. You can skip this by now. The Core Wallet will start synchronizing blocks and need to dialog with other peers running in the testnet:

- Hide the synchronization screen
- Go to menu Help>> Debug Window >> Console
- Then type these commands:

```
addnode 51.159.168.212 add
addnode 144.91.115.96 add
addnode 99.233.25.27 add
```



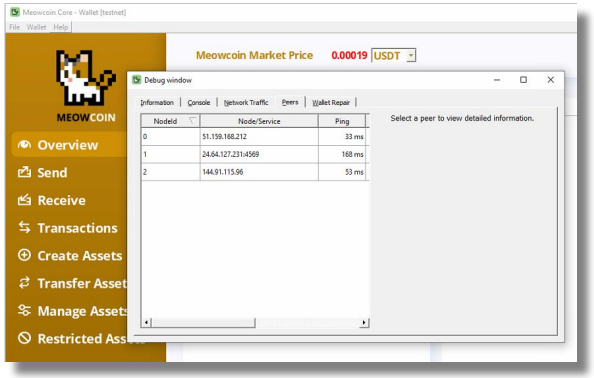


Running the Core Wallet 2.0.3 on the testnet

MEOWCOIN

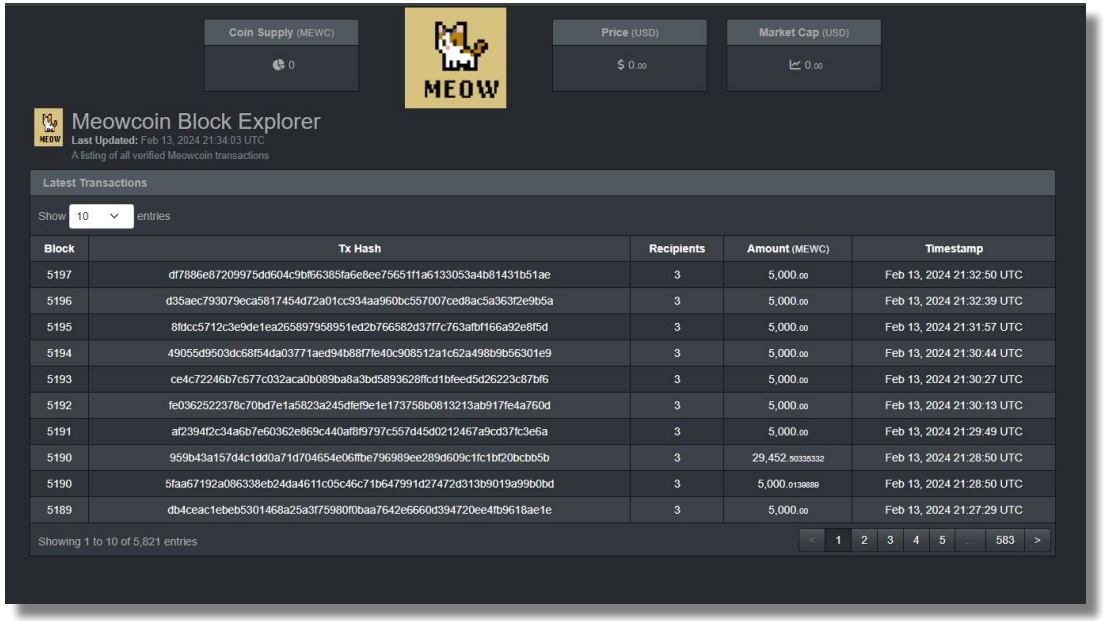
4.- Check your wallet is synchronizing

- In tab “Peers” you can see this.
- You can also see the “Network traffic” tab.
- Synchronization will take very few time



5.- Check the blocks at the block explorer

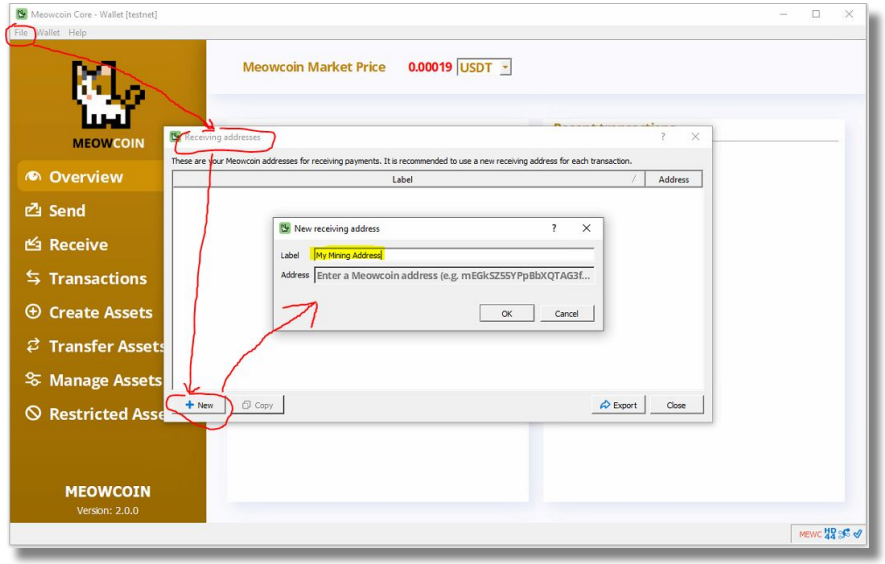
In this link you can see the mined blocks in the testnet (Thanks Coinminerz!):
https://mewc-explorer.coinminerz.com/



6.- Generate a wallet address

Just as you will do with the Core Wallet on the main net:

- Go to menu File>> Receiving Addresses >> New



Running the Core Wallet 2.0.3 on the testnet

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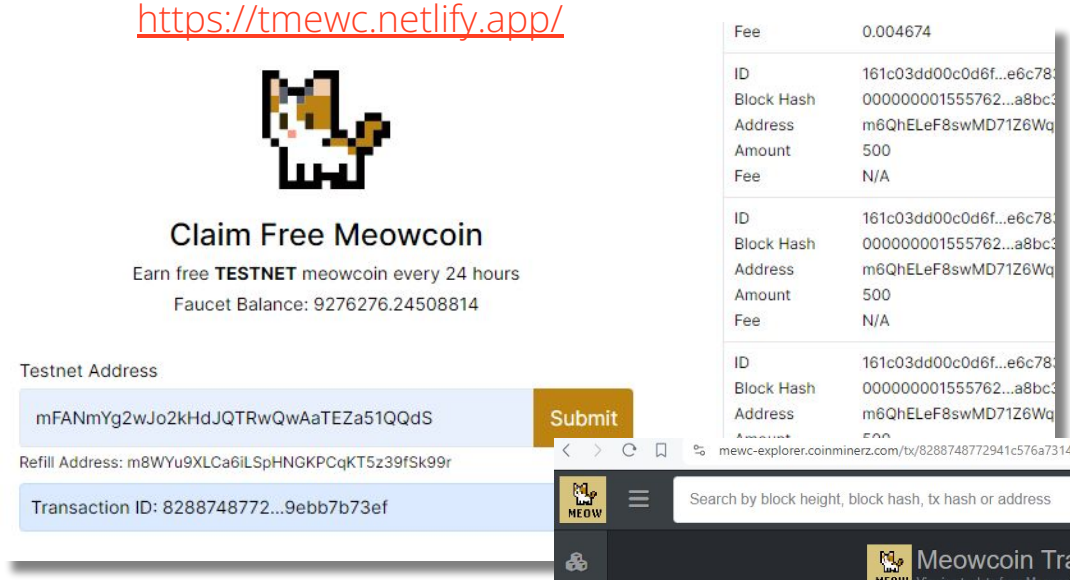
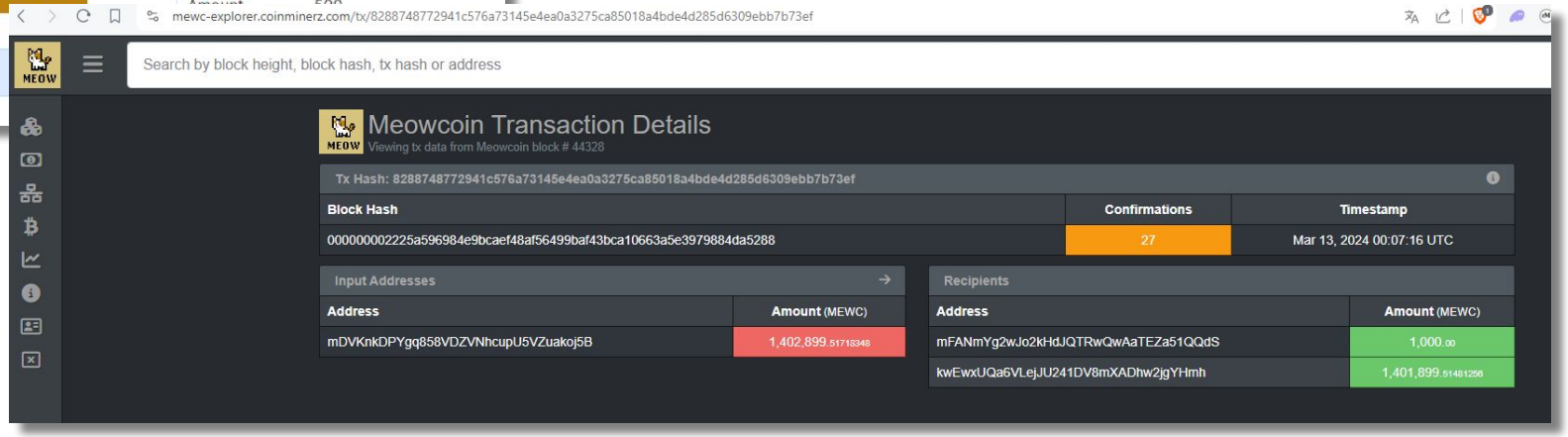
7.- Use the testnet faucet to check your Core Wallet

Enter your generated address to request to the faucet to send some coins.
You can use the testnet block explorer to check the transaction.

https://tmewc.netlify.app/





Old cat reminder

Remember that the testnet coins are only to test the network software and these have not relation with the real coins, which belong to the main blockchain. The coins you might earn at the testnet cannot be moved to the main blockchain and vice versa (the real coins cannot be transferred to the test blockchain).

MEOWCOIN

MeowPowMiner

Installing and Running

MEOWCOIN

Installing and Running MeowPowMiner

Version 2.0.0

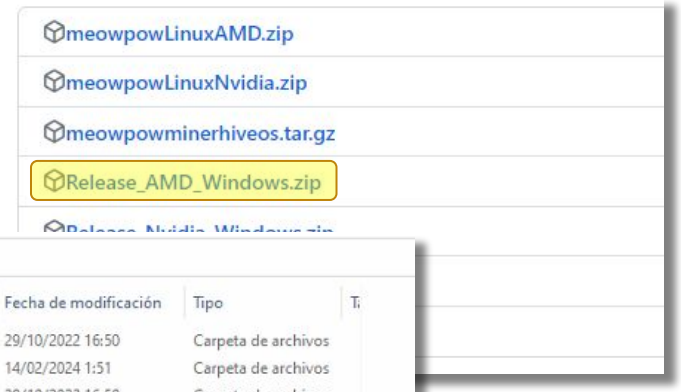
AMD

Installing and running MeowPowMiner 2.0.0

1.- Download the MeowPowMiner 2.0.0 software

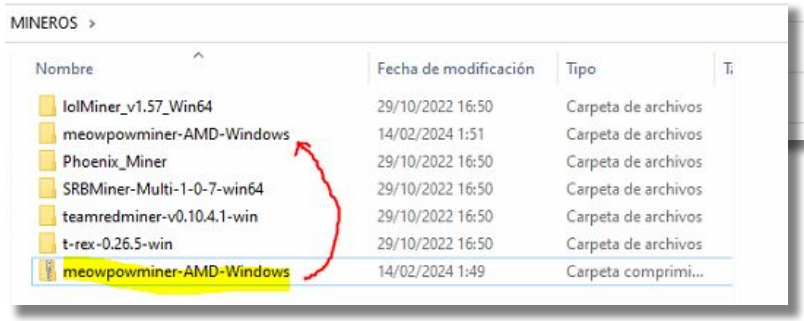
Choose the one that fits your GPUs. Here for AMDs and Windows systems:

https://github.com/Meowcoin-Foundation/meowpowminer/releases/tag/v2.0.0



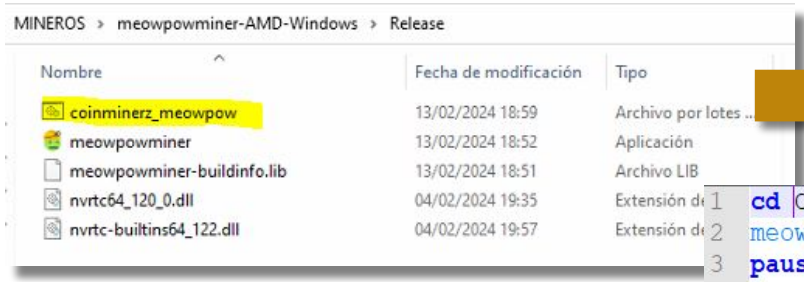
2.- Unzip the zip file

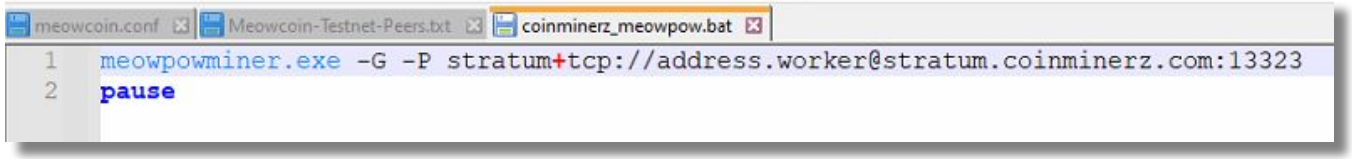
In any folder of your choice.
Preferably one where the antiviruses will not complaint.



3.- Edit the configuration file of the miner

- Open with a text editor the file “coinminerz_meowpow.bat” and set your address





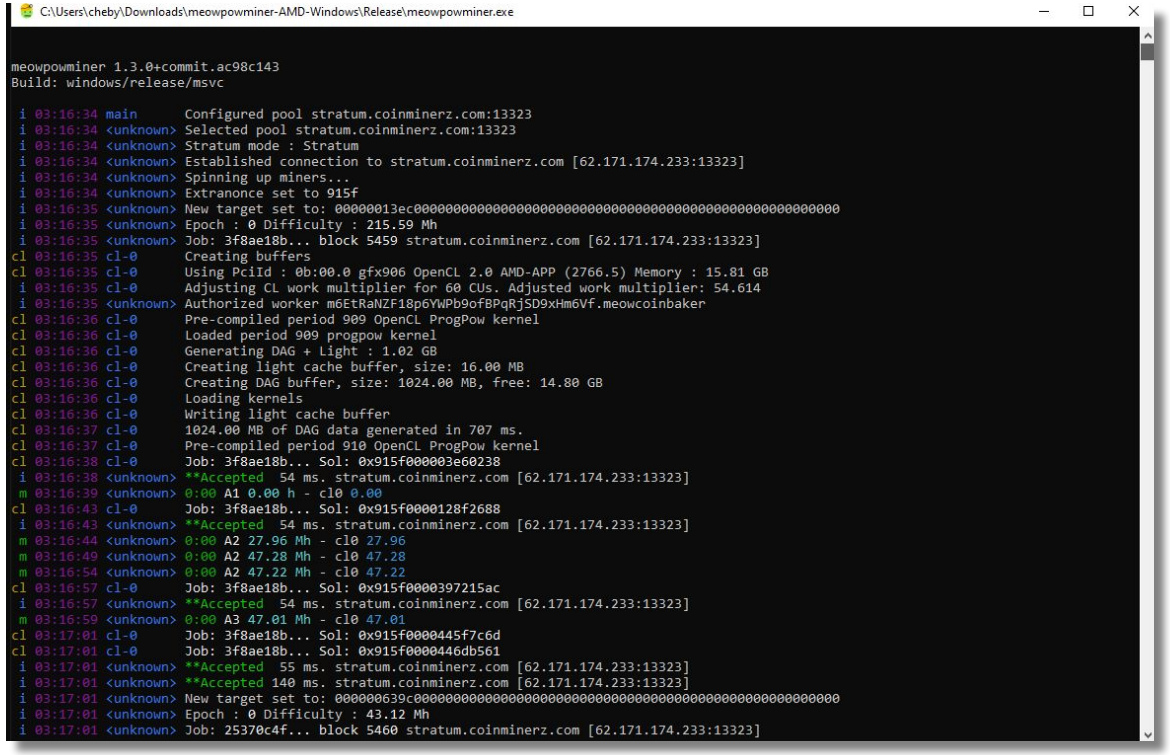

```
1 cd C:\Users\cheby\Downloads\meowpowminer-AMD-Windows\Release
2 meowpowminer.exe -P stratum+tcp://m6EtRaNZF18p6YWPb9ofBPqRjSD9xHm6Vf.meowcoinbaker@stratum.coinminerz.com:13323
3 pause
```

- Note: I provided administrator privileges to the “meowpowminer.exe” file. Be aware that this file can be quarantined by Windows Defender.
- Note: I added a line in the bat file to change the working directory to the miner directory

Installing and running MeowPowMiner 2.0.0

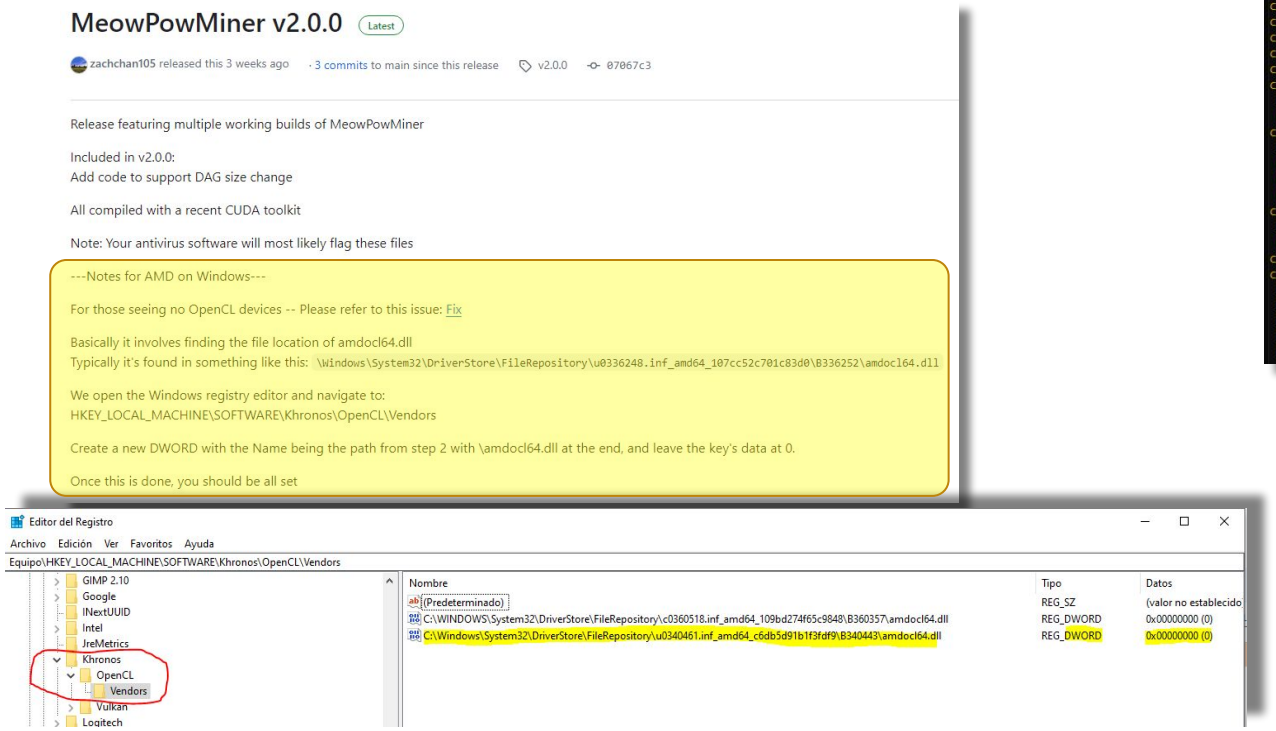
4.- Run the MeowPowMiner 1.0.0

Just double click on the “coinminerz_meowpow.bat” file.
You should be able to see the miner running.



4B-TROUBLESHOOTING with some AMD cards

Refer to the fix explained here in case your card is not found:
https://github.com/Meowcoin-Foundation/meowpowminer/releases/tag/v2.0.0



5.- Inspect your mining activity at the pool

Here you can see your stats

https://testnet.coinminerz.com/pool/Meowcoin

MEOWCOIN

Installing and Running MeowPowMiner

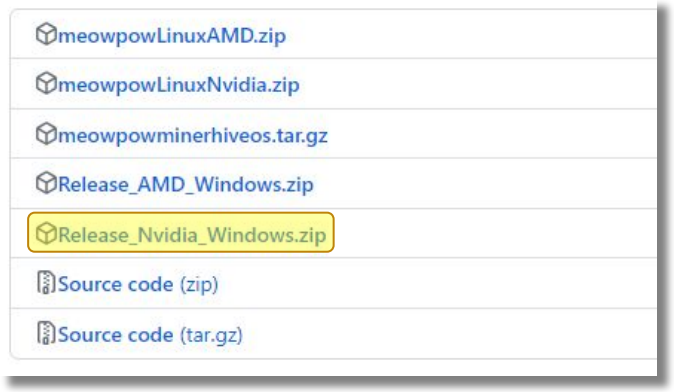
Version 2.0.0

NVIDIA

Installing and running MeowPowMiner 2.0.0

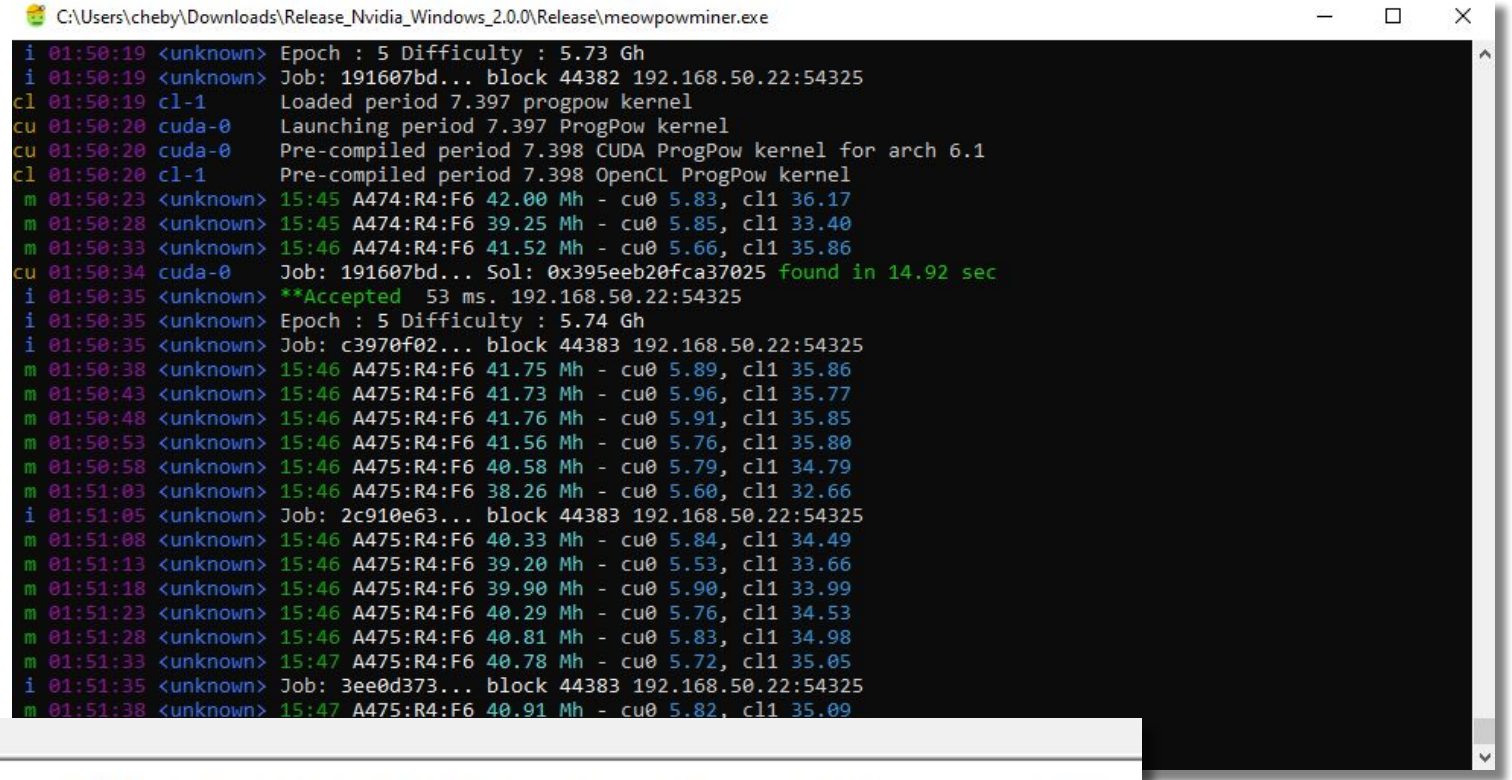
MEOWCOIN

Follow similar steps as for the Windows procedure for AMDs.



All Models - old cat trick

If you wish to mine at the same time with both AMDs and NVIDIAs, use this version of the MeowPowMiner. Use these settings to mine against Coinminerz pool, replacing your wallet address and my worker name with yours.



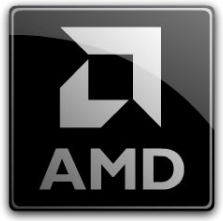
coinminerz_meowpow_NVIDIA_AMD.bat

```
1  @cd /d "%~dp0"
2  meowpowminer.exe --diff 0.00001 -P stratum+tcp://m6EtRaNZF18p6YWPb9ofBPqRjSD9xHm6Vf.meowcoinbaker@stratum.coinminerz.com:13323
3  pause
```

MEOWCOIN

Installing and Running MeowPowMiner

Version 2.0.0



AMD

Installing and running MeowPowMiner 2.0.0

MEOWCOIN

TBC

Follow similar steps as for the Windows procedure for AMDs.

MEOWCOIN

Installing and Running MeowPowMiner

Version 2.0.0

NVIDIA

Installing and running MeowPowMiner 1.0.0

MEOWCOIN

TBC

Follow similar steps as for the Windows procedure for AMDs.

MEOWCOIN

Installing and Running MeowPowMiner

Version 2.0.0

AMD

Installing and running MeowPowMiner 2.0.0

TBC

Instructions and procedure under test

MEOWCOIN

Installing and Running MeowPowMiner

Version 2.0.0

NVIDIA

Installing and running MeowPowMiner 2.0.0

TBC

Instructions and procedure under test

MEOWCOIN

Own Node Mining

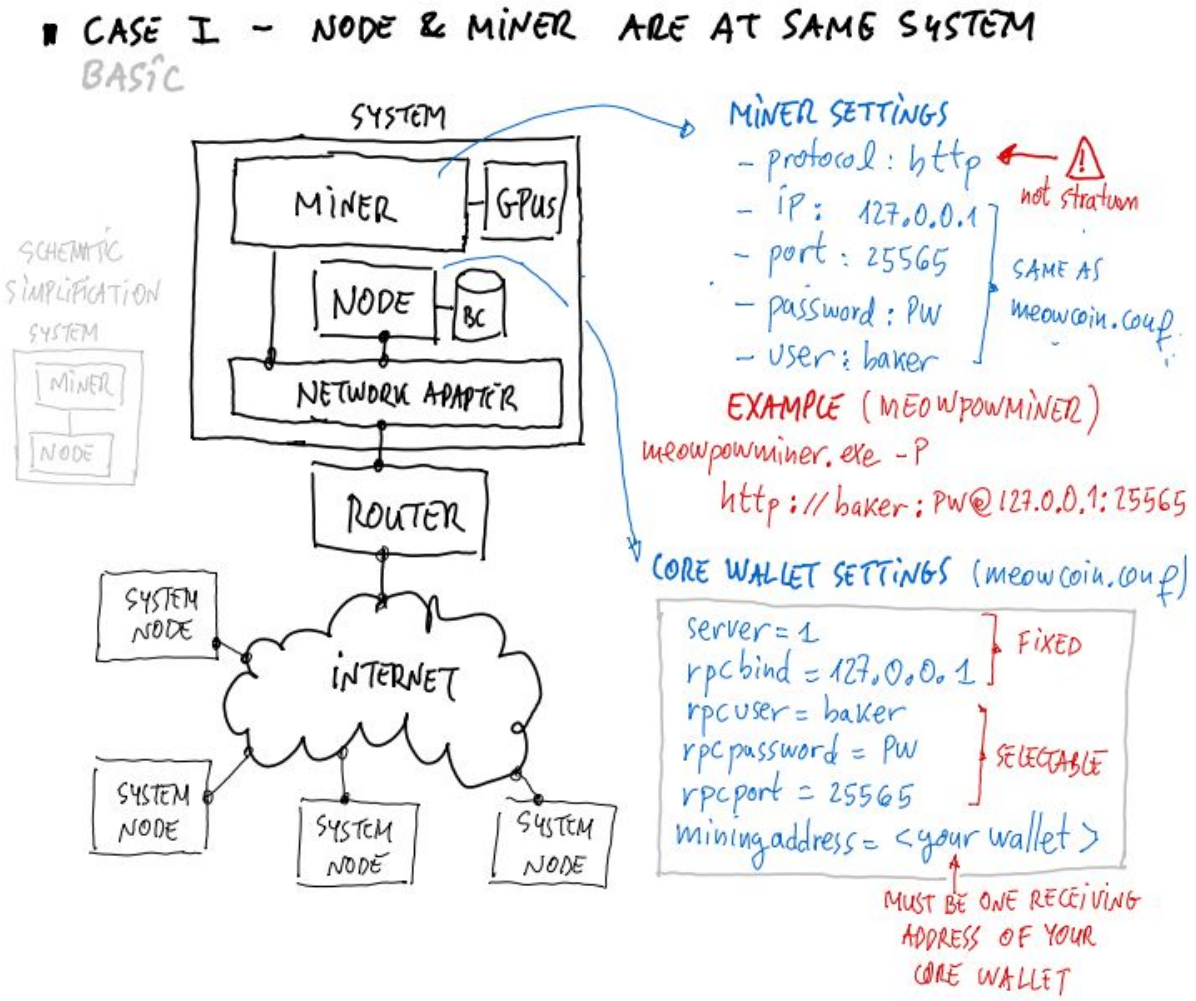
with MeowPowMiner

Basic, flexible and advanced setups

Own node Mining with MeowPowMiner

MEOWCOIN

BASIC setup - Core Wallet (node) and miner in same system



Settings at your miner

Batch file lo launch meowpowminer: **mine2mynode.bat**

```
@cd /d "%~dp0"
meowpowminer.exe -P http://Coinbaker:PASSw8rd@127.0.0.1:25565
pause
```

Note the connection protocol is NOT the Stratum protocol, but http

Settings at the Core Wallet

Contents of file **meowcoin.conf** of your node

```
server=1
rpcbind=127.0.0.1
rpcuser=Coinbaker
rpcpassword=PASSw8rd
rpcport=25565
miningaddress=m6EtRaNZF18p6YWPb9ofBPqRjSD9xHm6Vf
```

Mandatory settings

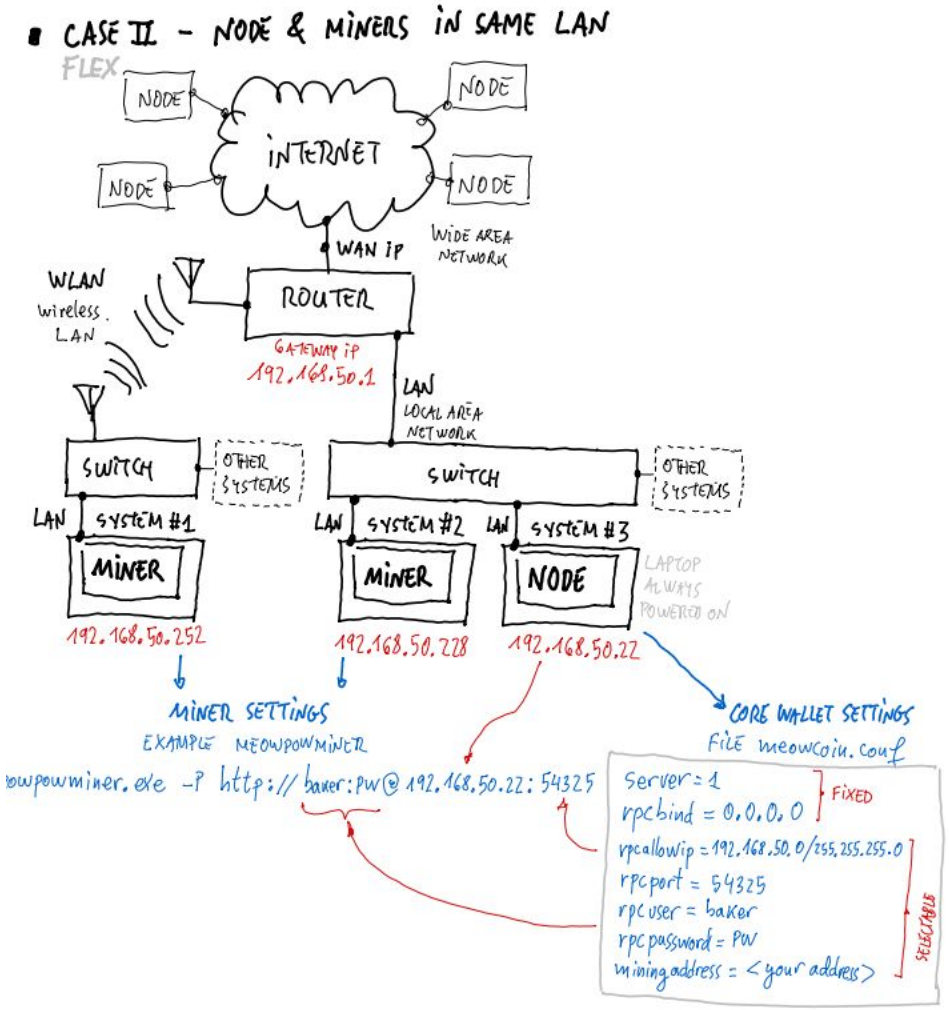
You can choose any port you wish but not the mainnet nor the testnet ones

Must be a valid receiving address of your node

Own node Mining with MeowPowMiner

MEOWCOIN

FLEXIBLE setup - Node and Miners in same LAN



Settings at all your miners

Batch file lo launch meowpowminer: **mine2mynode.bat**, located at IP **192.168.50.X**

```
@cd /d "%~dp0"
meowpowminer.exe -P http://Coinbaker:PASSw8rd@192.168.50.22:54325
pause
```

⚠ Note the connection protocol is NOT the Stratum protocol, but http

Settings at the Core Wallet

Contents of file **meowcoin.conf** of your node, located at IP **192.168.50.22**

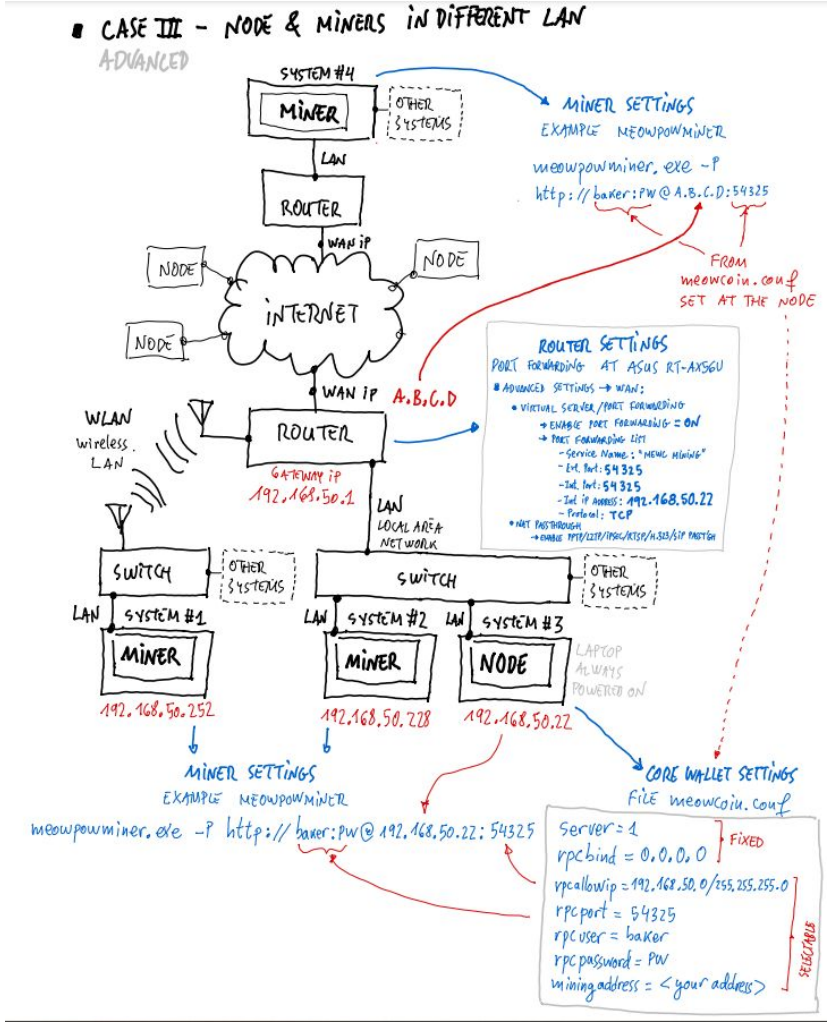
```
server=1
rpcbind=0.0.0.0
rpcallowip=192.168.50.0/255.255.255.0
rpcuser=Coinbaker
rpcpassword=PASSw8rd
rpcport=54325
miningaddress=m6EtRaNZF18p6YWPb9ofBPqRjSD9xHm6Vf
```

- `server=1`, `rpcbind=0.0.0.0` — Mandatory settings
- `rpcallowip=192.168.50.0/255.255.255.0` — Net mask, allowing all IPs of the form 192.168.50.X to reach the Core Wallet server
- `rpcport=54325` — You can choose any port you wish but not the mainnet nor the testnet ones
- `miningaddress=m6EtRaNZF18p6YWPb9ofBPqRjSD9xHm6Vf` — Must be a valid receiving address of your node

Own node Mining with MeowPowMiner

MEOWCOIN

ADVANCED setup - Node and Miners in different LAN



Extreme care when allowing ports to allow other systems to be connected from outside your LAN. Make sure you have setup strict permissions in your router and firewall to prevent external attacks.

Note the connection protocol is NOT the Stratum protocol, but http

Settings at all your miners in same LAN

Batch file lo launch meowpowminer: **mine2mynode.bat**, located at IP **192.168.50.X**

```
@cd /d "%~dp0"
meowpowminer.exe -P http://Coinbaker:PASSw8rd@192.168.50.22:54325
pause
```

Settings at all your miners in remote LAN

Batch file lo launch meowpowminer: **mine2mynode.bat**

```
@cd /d "%~dp0"
meowpowminer.exe -P http://Coinbaker:PASSw8rd@A.B.C.D:54325
pause
```

Settings at the Core Wallet

Contents of file **meowcoin.conf** of your node, located at LAN IP **192.168.50.22** and at WAN IP **A.B.C.D**

```
server=1
rpcbind=0.0.0.0
rpcallowip=192.168.50.0/0.0.0.0
rpcuser=Coinbaker
rpcpassword=PASSw8rd
rpcport=54325
miningaddress=m6EtRaNZF18p6YWPb9ofBPqRjSD9xHm6Vf
```

Mandatory settings

Net mask, allowing all IPs to reach the Core Wallet server

You can choose any port you wish but not the mainnet nor the testnet ones

Must be a valid receiving address of your node

Settings at the Router

You will need to configure port forwarding to allow specific port considered by the server of your node to be reached from external clients.

MEOWCOIN

Feedback, help & issue reporting

Core Wallet 2.0.3

MeowPowMiner 1.0.0

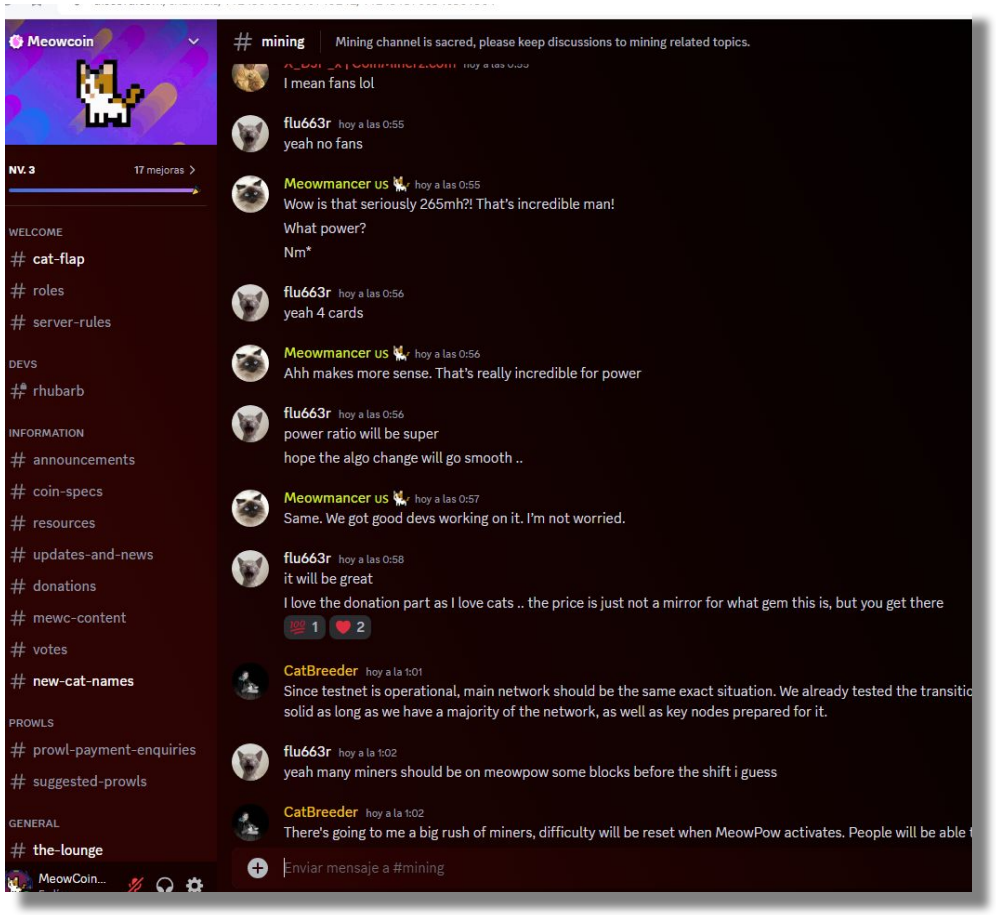
Reporting issues and giving Feedback

MEOWCOIN

Issues reporting - help request - questions

Best is to go to the Discord server at #mining channel. Leave a message there so we will hear your comments and questions.

https://discord.gg/meowcoin



Giving feedback

We will be happy to see your results in terms of how many Watts you are requiring for your hashrate. It will very beneficial if you can share:

- Your GPU model + non-default/auto clock settings
- The hasrate and power you are getting with MeowPow
- The hasrate and power you are getting with KawPow
- The mining software you are using (currently should be MeowPowMiner)

https://docs.google.com/spreadsheets/d/1kgBUehMu4LrpVOYc3CioDk4tKT6F9S7JpiGn204mCxY/edit?usp=sharing

Doc History

Date	Version	Pages	Changes	Author
14-FEB-2024	1.0	15	First complete issue	MeowCoinbaker
16-FEB-2024	1.1	25	• Changes as per Meowmancer suggestion. • Created intermediate pages to separate the different subsections to make more readable the document.	MeowCoinbaker
10-MAR-2024	1.2	25	• Updated to cover MPM 2.0.0 and Core Wallet 2.0.3	MeowCoinbaker
13-MAR-2024	1.3	32	• Reorganized the ToC to host new section: Mine towards own node • Install and running instructions to the Core Wallet are referred to another guide • Updated to cover MPM 2.0.0 and Core Wallet 2.0.3 • Updated Preliminary Steps section • Completed MPM mining in Windows and with NVIDIAs • Updated Links section • Added section on how to mine towards own node (drafted now)	MeowCoinbaker
			NEXT: • Added HiveOs instructions provided by Coinminerz team (Craig and X_DJP_x).	

Wish to thank the author of this manual?

MEWC Address: MAB59bF8XFW3W4vwxYfTc65vPfKCK3z5QU

Suggested tip 1-5 MEWC

References

MEOWCOIN

Reference	Title	Date /Version
[RD.1]		N/A
[RD.2]		N/A
[RD.3]		N/A