

## **Mining a cryptocurrency**

1)To mine a crypto the first and foremost thing to have is a good ASIC miner.  
(Specialized hardware)

Only having a good GPU ,without a miner doesn't help.

2)Software to download : CGminer

3)a)After the software is downloaded and you are ready with your ASIC Miner ,connect to one of your favorite mining pools.

### **OR**

3)b)If you are an individual skip 3a and download your bitcoin core wallet to generate an address.

4)After completing step 3a) configure your device to the pool.

Every website of the pool, has stratum servers mentioned on its site based on your region (example Europe,Asia,Africa).Your goal is to point your miner to the server.

5)Select your payout address by downloading a bitcoin wallet (Trevor,zebpay)

## **START MINING.....GOOD LUCK**

– Reward calculation

1. If you are mining as an individual you get the entire reward applied ,to your address after 120 confirmations.

2 . If you are mining in a pool your reward will depend upon the share you contributed to your pool on your pool's winning of a successful block.

– Explanation of Point 2 on reward calculation

1. What does a share mean in a mining pool?

-A share is nothing but a hash you generate from your setup which is easier than the difficulty.

On a successful winning of the block by your pool, your pool will ask you to submit the hash values you generated .  
Only those hashes will be taken into consideration which are easier than the difficulty.

Suppose your pool had 10 miners and succeeded in 20 shares and you were one of them.

Miner 1 had 1 shares

Miner 2 had 5 shares

Miner3 (you) had 2 shares.

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Miner 20 had 1 shares

Each reward is worth 12.5BTC

So,  $12.5/10 = 1.25$

So miner 1 gets  $1 * 1.25 = 1.25$  btc

Miner 2 gets  $5 * 1.25 = 6.25$  btc

.....and so on