



"Friendly Neighborhood IT Guy"

– ON SCHOFIELD BARRACKS –

*8+ years IT experience, and privacy and security enthusiast!*

## DIY Guide – Crypto-mining

Mining crypto is simple. The task seems daunting and sketchy at first, but no worries this guide will hopefully clear it up. This guide assumes you are using a Windows computer.

You need four things to mine crypto:

1. A computer (preferably one with a good graphics card)
2. Mining software
3. A wallet
4. A pool

Mining software: This is the software that will have all the tools to start mining crypto

A wallet: This is a digital wallet where you store the coins you've mined.

A pool: In the context of cryptocurrency mining, a mining pool is the pooling of resources by miners, who share their processing power over a network, to split the reward equally, according to the amount of work they contributed to the probability of finding a block. A "share" is awarded to members of the mining pool who present a valid partial proof-of-work. Mining in pools began when the difficulty for mining increased to the point where it could take centuries for slower miners to generate a block. The solution to this problem was for miners to pool their resources so they could generate blocks more quickly and therefore receive a portion of the block reward on a consistent basis, rather than randomly once every few years.

In this guide we'll be preparing to mine Ethereum. If you decide on another coin, that's fine. The steps will be very similar.

1. Download some mining software! In this guide we'll be using Gminer. → <https://github.com/develsoftware/GMinerRelease/releases>

1a. When you attempt to download Gminer you'll likely get a report from your anti-virus that this is a virus. Worry not, Windows is trying to protect you from Cryptojacking malware.

Cryptojacking malware is malware that infects computers to use them to mine cryptocurrencies usually without users knowledge.

This isn't Cryptojacking malware. Allow the program to be installed and make an exception for it in the Windows defender menu. Your miner should now be installed and ready to go.

2. It's time to get a wallet! In this case we'll download coinomi. → <https://www.coinomi.com/en/downloads/>

2a. Now that it's downloaded, Create a wallet inside coinomi → write down your recovery phrase and store it somewhere safe and secure → Enter a strong password (I recommend using KeePass for this.) → Select Ethereum → Accept the agreement → Wallet → Recieve → copy that receive address to your clip board, you'll need it soon.

3. Open up Gminer → right click mine\_eth.bat → edit → drop in your Ethereum address beside user

4. Now is the time to select a pool, for this guide we'll be using [us1.ethermine.org](https://us1.ethermine.org) → paste the server's name that you've chosen beside server.

4a. Save it and BOOM, you're ready to mine some Ethereum. Double click the mine\_eth.bat file and you'll be mining.

5. To check how much Ethereum you've earned, go here → <https://www.ethermine.org/start> → type in your Ethereum address in the top right and you'll be able to see what you wanna know!

## HAPPY MINING!

Reach out here if you have any questions:

[fninfotech@protonmail.com](mailto:fninfotech@protonmail.com)

[@fnit@noc.social](https://noc.social) ← Mastadon page → <https://noc.social>

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