

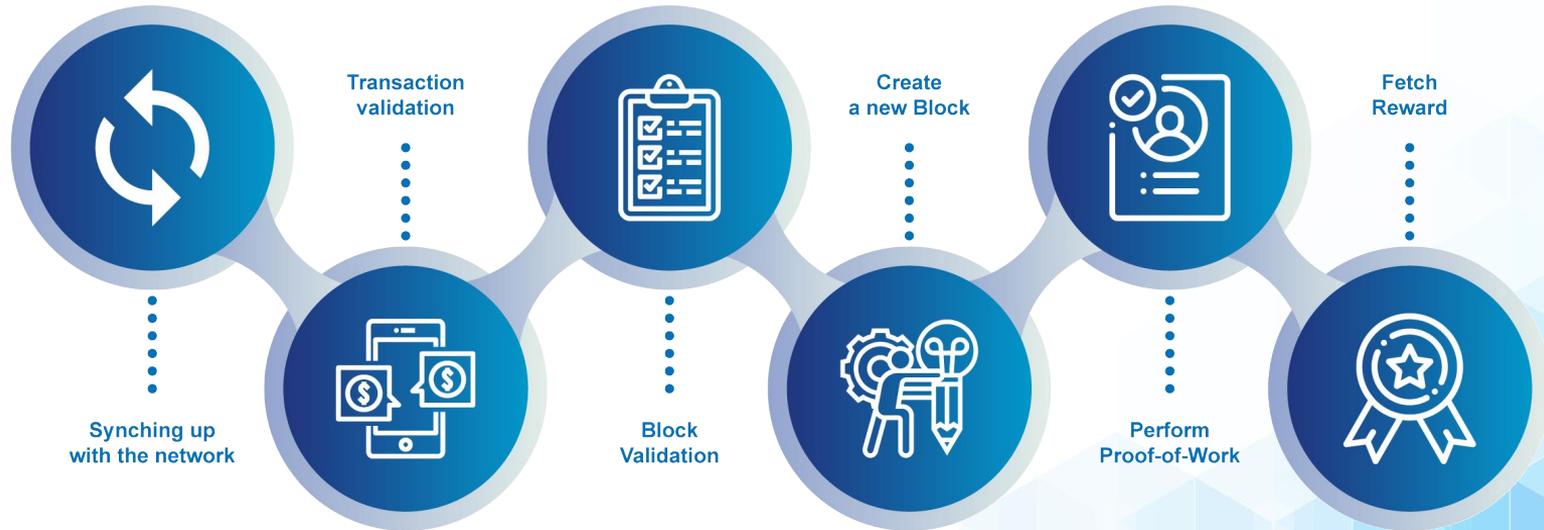


# Who are Miners?

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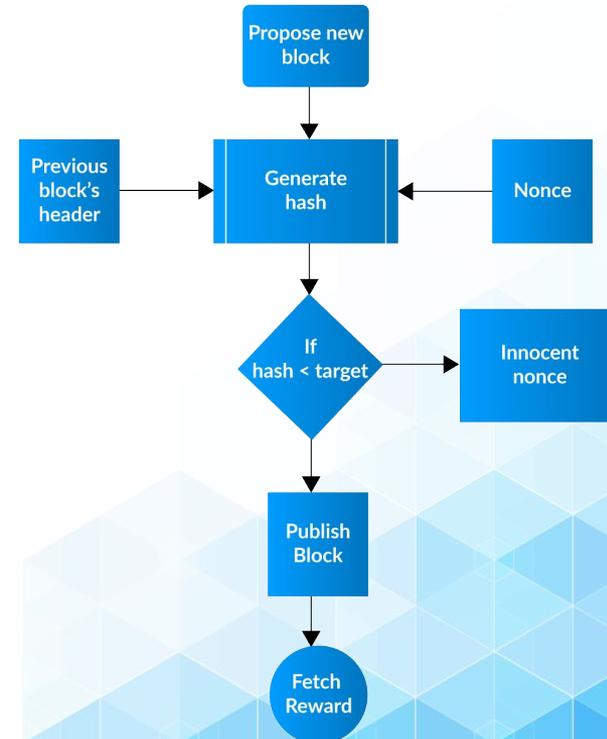
- Mining is the process through which transactions are validated and recorded on a distributed ledger called blockchain.
- Miners are the machines or network participants that do mining and compete to solve a cryptographic hash algorithm known as Proof-Of-Work.
- Miners receive awards for adding new forms of cryptocurrency issued by the network.
- Currently, 6.25 Bitcoins are created with each new block and issued to its miner. This number is halved every 4 years.
- Miners can mine solo or in a pool depending on the network and software availability.

# Tasks of Miners



# Mining Algorithm

- Retrieve the previous block's header from the bitcoin network.
- Assemble a set of transactions from transactions pools on the network into a block to be proposed.
- A proposed block contains a transaction awarding the block creator coins as a reward for finding a new block and adding it to the chain.
- Compute the double hash of the previous block's header.
- If the resultant hash is lower than the current difficulty target, then PoW is solved.
- If the resultant hash is not less than the current difficulty target, then repeat the process after incrementing the nonce.



# THANK YOU!

## Any Questions?

Visit

[community.blockchain-council.org](https://community.blockchain-council.org)



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