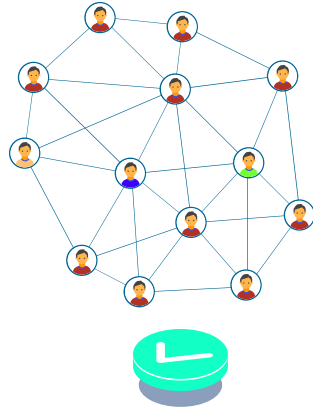


# Blockchain

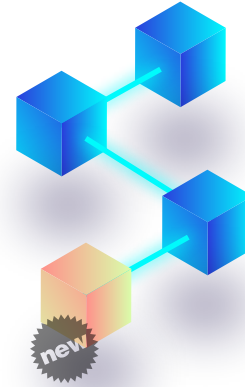
In a nutshell



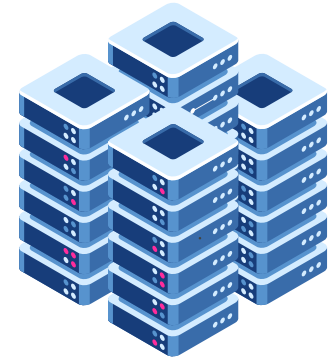
A user wants to add a new block of information: A transaction, token, encoded data...



The block is sent to the blockchain network and has to be validated depending on the validation mechanism.



Once the block has been validated, it is added to the chain with a generated number (hash) from the previous block. This locks the new block to the last block.



A copy of the updated chain is distributed through the network to all the nodes.

## Validation protocols



### Proof of Authority

Pre-approved authorities validates the blocks.



### Proof of Work

The validation is done by measuring the costly computational power that backs a state of the ledger



### Proof of Stake

Costly as the proof of work, but instead of computational power backers of a ledger state, must show they possess coins they acquired with economic effort..

