

Transaction



A transaction is a new record of exchange of some value or data between two public addresses of the blockchain. Transactions can happen in new node and takes time to get verified when a new block is created containing that transactions.

Transactions are data structures that encode the transfer of value between participants in the bitcoin System.

The process of transaction verification and recording is immediate and permanent.

Transaction is approved through a process known as consensus.

Although most transactions are organized as address payments (based on a script called Pay-to-Public-Key-Hash, or P2PKH), bitcoin transactions may also use other forms of scripts, besides addresses and amounts, and contain additional details.

Blockchain Council

Stage 1: Initiation of transaction proposal

Stage 2: Transaction is broadcasted

Stage 3: Transaction is verified

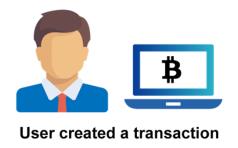
Stage 4: Transaction Commitment





Stage 1: Initiation of transaction proposal

At initial stage, transaction is created and signed by the owner.



Transaction is created, with amount of bitcoins and Bob's address.



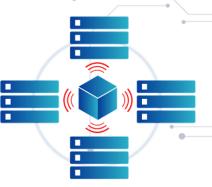
User signed the transaction



Stage 2: Transaction is broadcasted

At this stage, transaction is broadcasted to the network.





Transaction is broadcasted to the Network.



Stage 3: Transaction is verified

Once the transaction is broadcasted to the network, other authorized nodes verify it. If transaction is valid, it is added to a Block, and if not, nodes reject the transaction.



Transaction is verified by other nodes in the network.

Transaction is bundled into a Block with other transactions.



Stage 5: Transaction is committed

Finally the Block is added to the Blockchain, and transaction is committed.



Block is added to the blockchain



Transaction Completed



Any questions?

Visit

community.blockchain-council.org

You can also mail us at

hello@blockchain-council.org