Transaction Execution and Distribution

Transaction

- Transactions are any transfer of value or data between network participants on a blockchain.
- Transactions are the center around which the blockchain framework is built.
- In general, the process of transaction verification and recording is done through consensus.
- Transaction is transparent and permanent across all ledgers.
- Transaction can contain value data or script depending on the sender requirement and recipients function.

How transaction is committed?

Stage 1: Initiation of transaction proposal

Stage 2: Transaction is broadcasted

Stage 3: Transaction is verified

Stage 4: Transaction commitment

How transaction is committed?

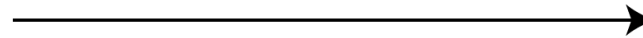**Stage 1: Initiation of transaction proposal**

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

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

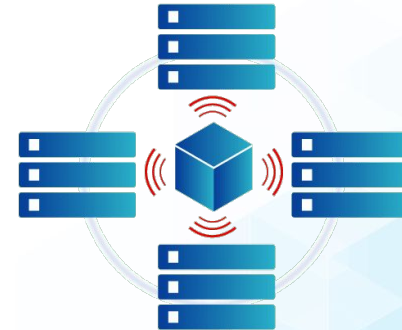**User created a transaction**

User signed the transaction

How transaction is committed?

Stage 2: Transaction is broadcasted

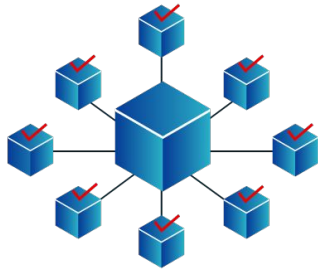At this stage, transaction is broadcasted to the network.

Signed Transaction

Transaction is broadcasted to the Network.

How transaction is committed?

Stage 3: Transaction is verified

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

Transaction is verified by other nodes in the network.

Transaction is bundled into a Block with other transactions.

How transaction is committed?

Stage 4: Transaction is committed

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

Block is added to the blockchain

Transaction Completed

THANK YOU!

Any Questions?

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