Blockchain: Linked Blocks via Cryptographic Hashes

Block N-1

Prev Hash:

0x7a3f...

Transactions

Tx1, Tx2, Tx3...

Merkle Root

Block N

Prev Hash:

0x9b2c...

Transactions

Tx1, Tx2, Tx3...

Merkle Root

Block N+1

Prev Hash:

0x9b2c...

Transactions

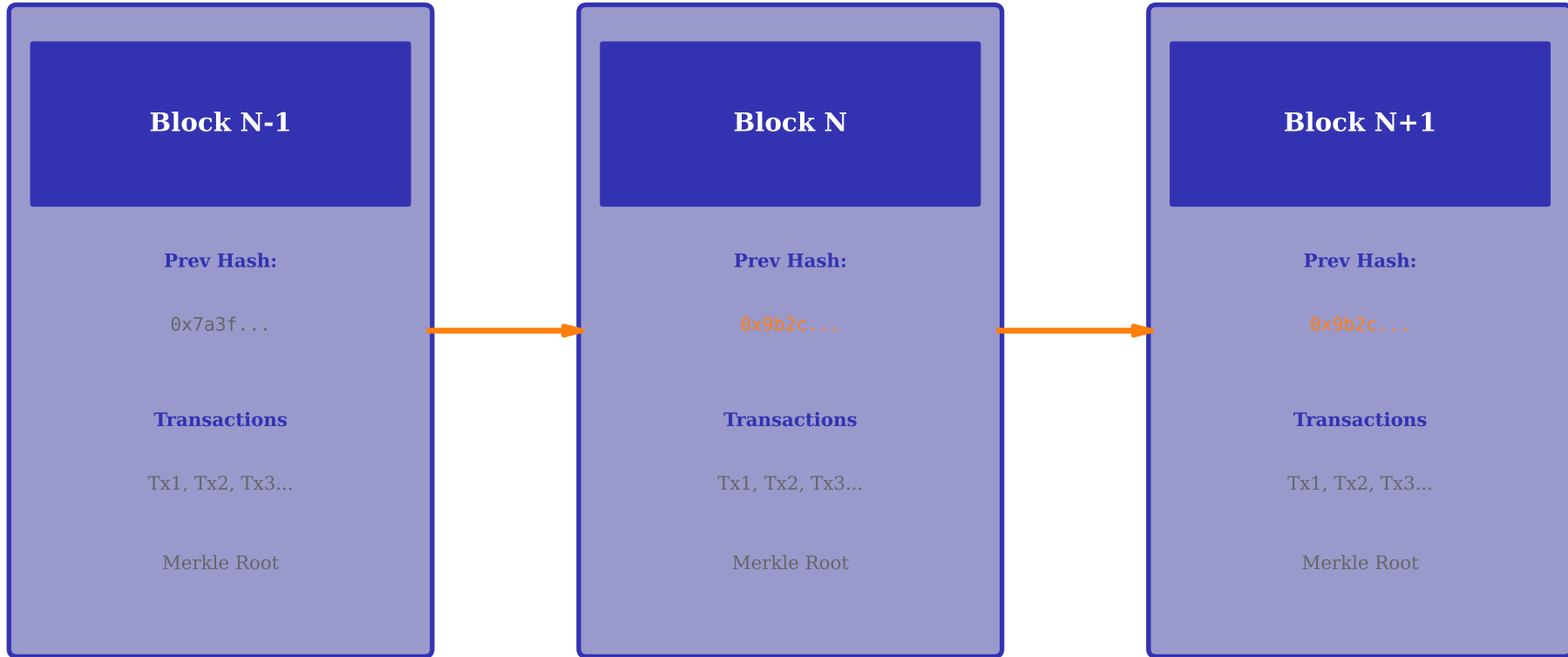Tx1, Tx2, Tx3...

Merkle Root

Each block contains a hash of the previous block, creating an immutable chain