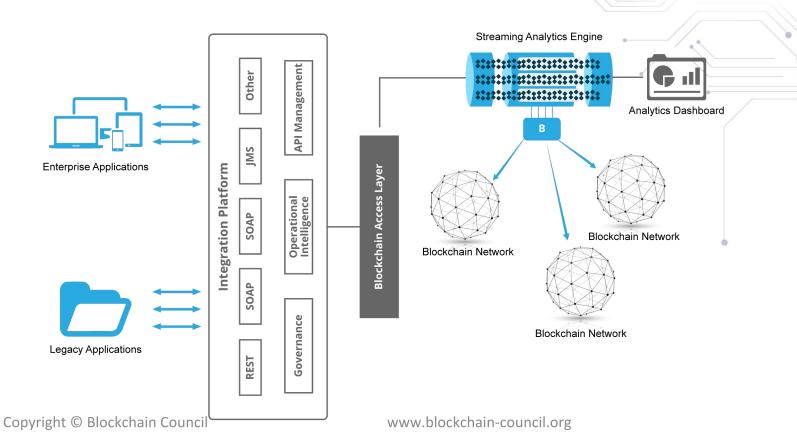


Certified Blockchain Architect

Blockchain Functional Architecture

Blockchain Architecture









Application Layer	RecordsKeeper Tools Wallet Faucet Explorer Statistics	RecordsKeeper Applications Proof of Existence Land Record Management Health Record Management Supply Chain Management
Insensitive Layer	Miner Reward Distribution Transaction Fee Round-Robin Schedule	
Consensus Layer	Proof of Work Mining Permissions Consortium Consensus State of User Permissions	
Network Layer	Peer to Peer Relay Network Node Validation	
Data/Bitcoin Layer	Data Block Hash Function Merkle Tree Chain Structure Cryptographic Protocol UTXO	

Sample Blockchain Architecture



- Data/Bitcoin Layer- It's the base layer where all the cryptographic algorithms & protocols are present. It consist of the following data blocks, hash functions, Merkle tree, chain structure, cryptographic protocol, UTXO
- Network layer It consist of peer-to-peer connections and also validates relay network and node validation.
- Consensus layer it consist of all mechanisms such as the POW, POS, DPOS etc and it also consist of the user and mining permissions.
- Insensitive Layer- This layer do not have direct impact on blockchain, but it builds up an ecosystem for the blockchain, and is responsible for miner reward distribution and transaction fees.
- Application Layer- It is front end layer for the user, which helps them to interact with the blockchain.



Any questions?

You can mail us at hello@blockchain-council.org