



TOSHBLOCKS

Blockchain Consulting, Development & Training Hub

ADVANTAGES OF HYPERLEDGER FABRIC

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PERMISSIONED MEMBERSHIP

- Decentralised Permissioned Network
- All users will have identity
- Data protection policy can be enforced



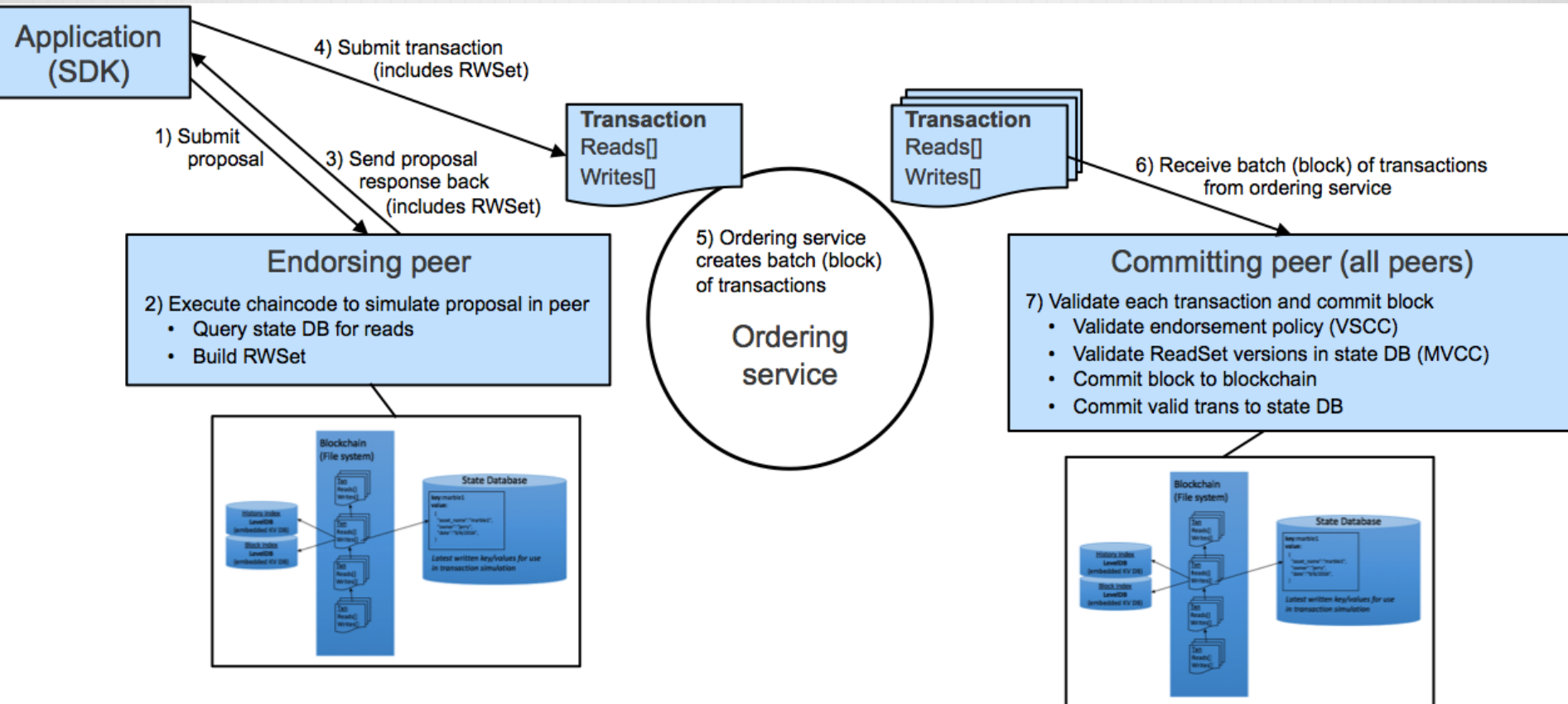
PERFORMANCE, TRUST, SCALABILITY

- Build on Modular Architecture
- Three phase transaction
 - distributed logic processing and agreement ("chaincode"),
 - transaction ordering
 - transaction validation and commitment.
- Fewer level of trust & verification required





HOW SCALABILITY?



Ref: IBM





DATA ON A NEED-TO-KNOW BASIS

- Channels, supported in Hyperledger Fabric, allow for data to go to only the parties that need to know.
- Channels help provide a data-partitioning capability where only those that need to know the data will see the number of transactions and the data itself.





RICH QUERIES

- The immutable source of truth somehow connected to LevelDB, CouchDB etc.
- LevelDB has a key value database and supports complex queries
- Much complex queries can be executed since the data is stored using JSON format





PLUG-IN COMPONENTS

- Plugin Components are available due to modular design
- For eg. Bring your own identity.



PROTECTION OF KEYS

- HSM (Hardware Security Module) support is vital for safeguarding and managing digital keys for strong authentication.
- Hyperledger Fabric provides modified and unmodified PKCS11 for key generation, which supports cases like identity management that need more protection.
- For scenarios dealing with identity management, HSM increases the protection of keys and sensitive data.



OUR CONTACT DETAILS

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THANK YOU FOR YOUR TIME

