



TOSHBLOCKS

Blockchain Consulting, Development & Training Hub

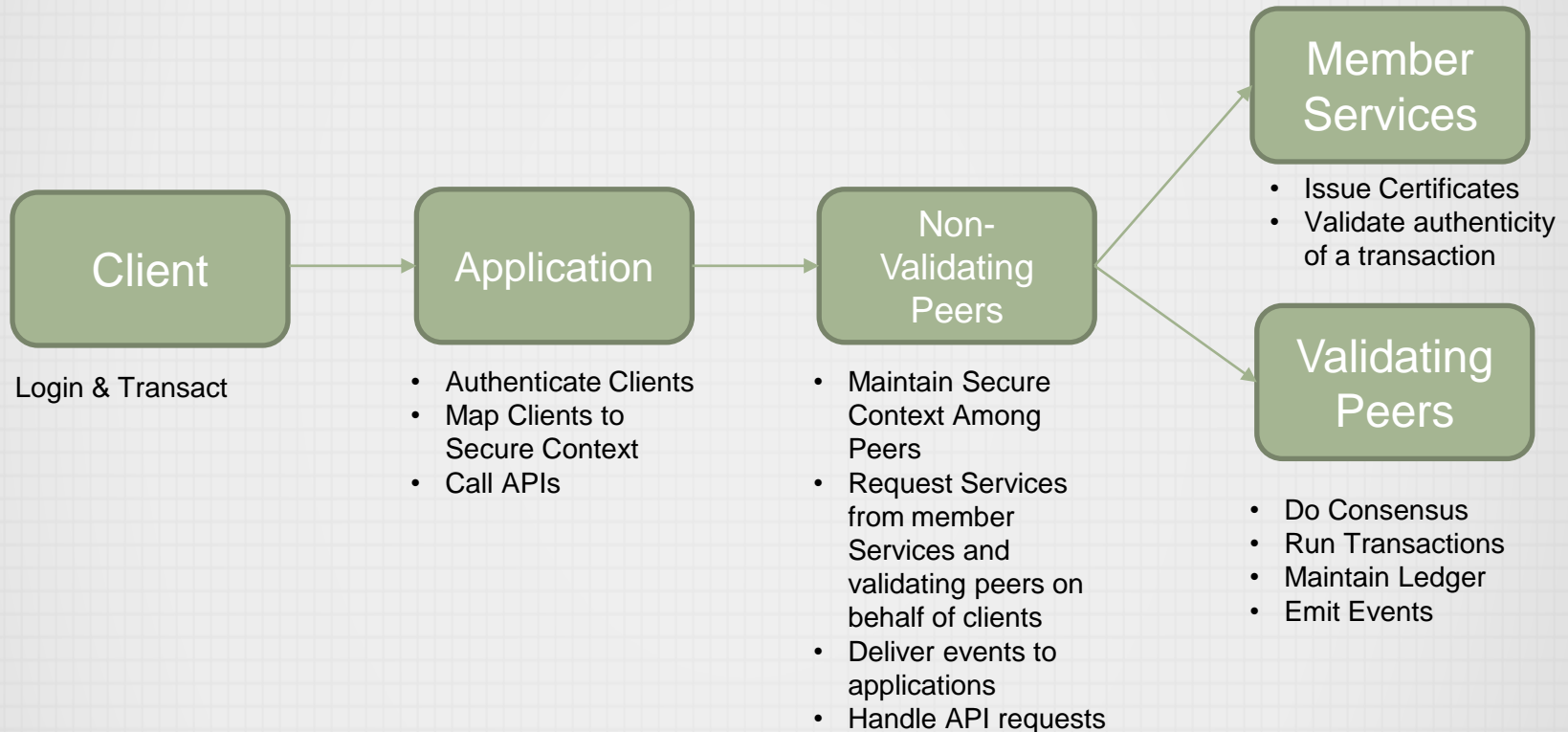
ARCHITECTURE OF HYPERLEDGER FABRIC

BY TOSHENDRA SHARMA



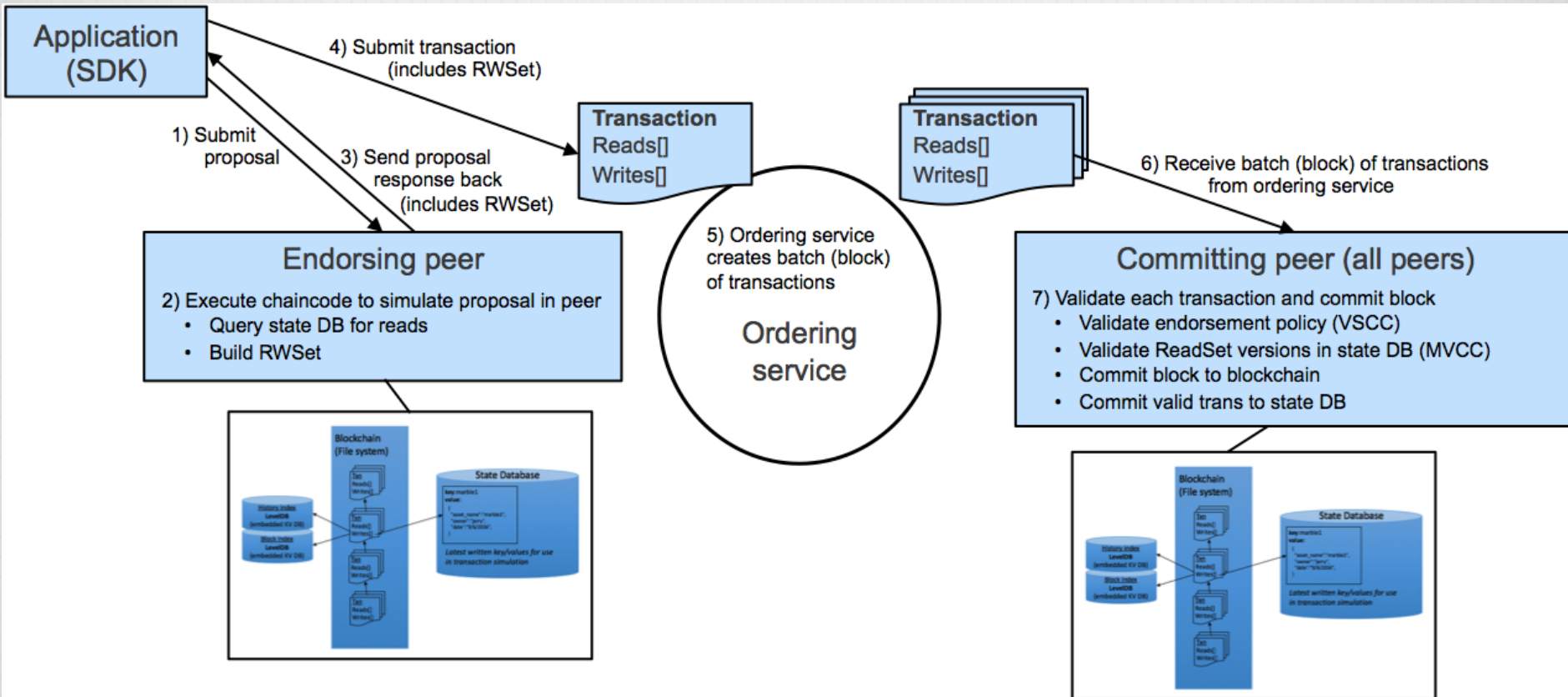


SIMPLE FLOW



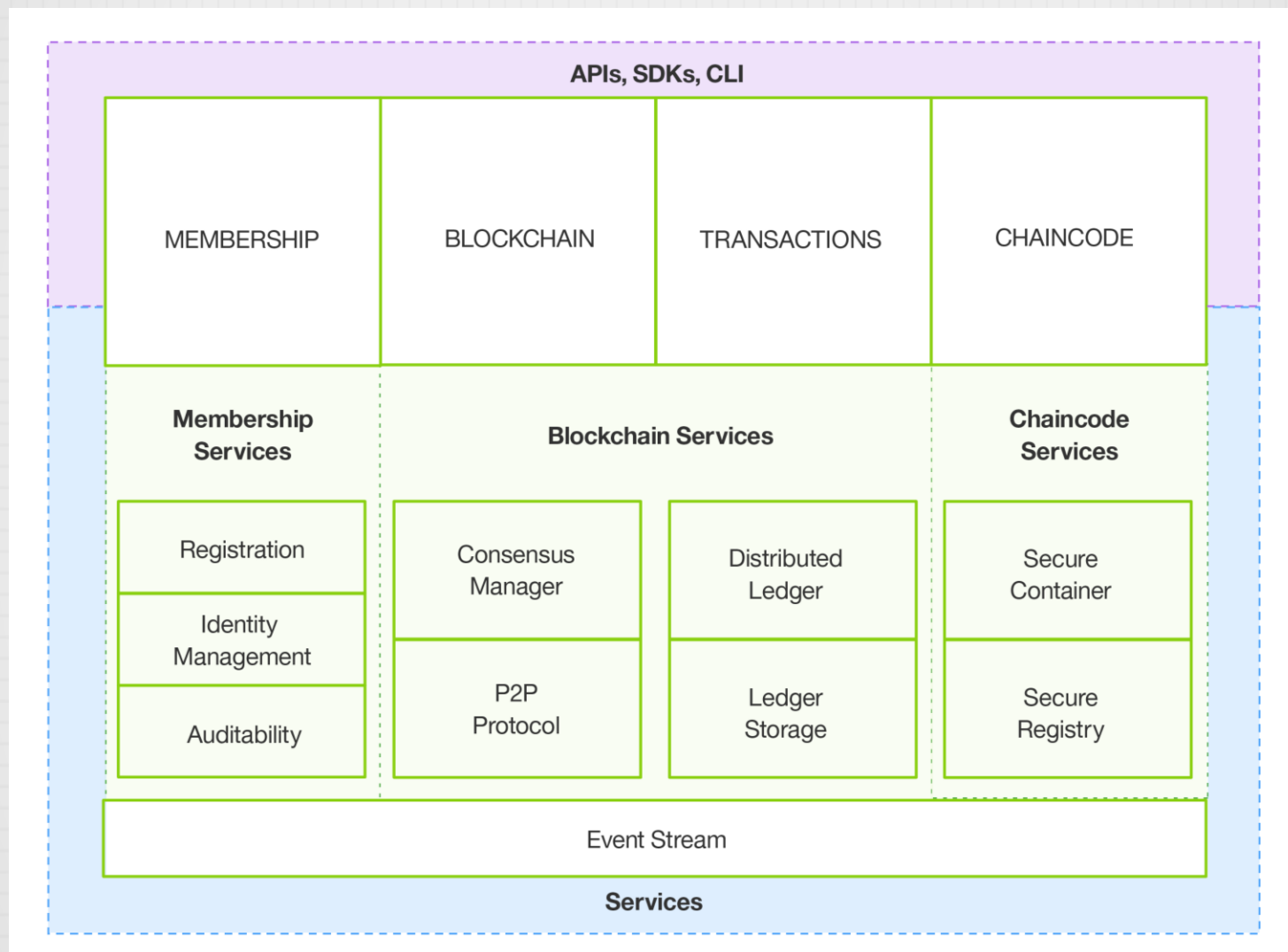


CHAINCODE EXECUTION FLOW





ARCHITECTURE





MEMBERSHIP SERVICES

- Manages user identities through Certification Authority
- Provides a distinction of roles by combining elements of Public Key Infrastructure (PKI) and decentralization (consensus)
- Help authorizing the transaction & further data access using Enrollment Certificates & Transaction Certificates.



BLOCKCHAIN SERVICES

- Manages the shared ledger using a peer-to-peer protocol, which is built on HTTP/2
- PBFT (Practical Byzantine Fault Tolerance) is implemented as the consensus protocol.

CHAINCODE SERVICES

- Provides a secured and lightweight method to sandbox chaincode execution on the validating nodes
- Provides secured container, along with a set of signed base images containing secure OS and chaincode language, runtime and SDK layers for Go, Java and Node.js.



OUR CONTACT DETAILS

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THANK YOU FOR YOUR TIME

