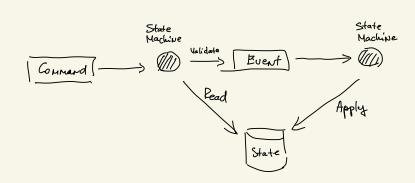
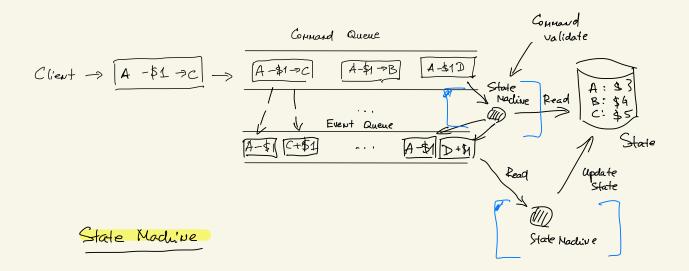
Digital wallet Save noney and send it later. Transfer between wallets faster. balance transfer operations / 1 bill TPS / Correctuess / Reproducibility/ EDS: 7 reconstruct historical balance availability 39.99%. / Reliability Transactions 1 DB support 1,000 TPS, Need 2 mill TPS (deducting / depositing Money) -> 2.000 DB Nodes Pelational DB. Post /v1/ wallot / balance_transfer API. Reg: Status: Success Stz from acc Transact-id: xxxx to-acc 5/2 to avoid potential zisk of losing arrount Stz = Precision Currency S12 5+2 transaction id Redis pot enough to Storing 1 ruil TPS. Cluster with evenly distributed. account ID. hash Code () 1. partition Number; + Zookeeper as HA configuration storage.

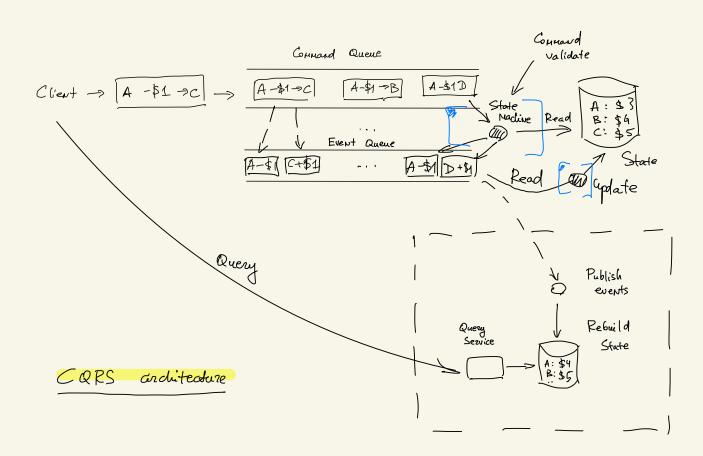
Wallet -> stateless. Ready to scale horizontally.

Distributed transactions: 1. 2PC ("undo") Parallel execution 2. TC/C 3, Saga. Sequence . Linear execution (ASYNC). Maintain "State Macline" - Choreography - Orchestration

Event sourcing:







DDD: Salite - local PDBM\$

Rock DB - fite based local > log - Structured Merge - tree (LSM)

write +

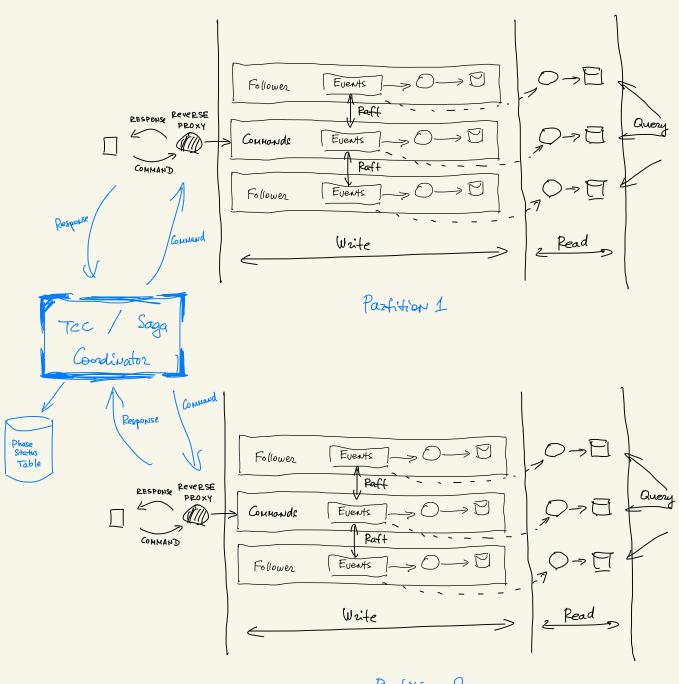
to improve read > data is cached

File-based data approach allow to make Snapshots.

giant binary file > HDFS

tigh reliability -> replicate event list across multiple vodes.

Raff algorithm -> consensus - based replication



Partition 2