



与「十」俱进,码出未来

2018源创会年终盛典

主办方  开源中国
oschina.net



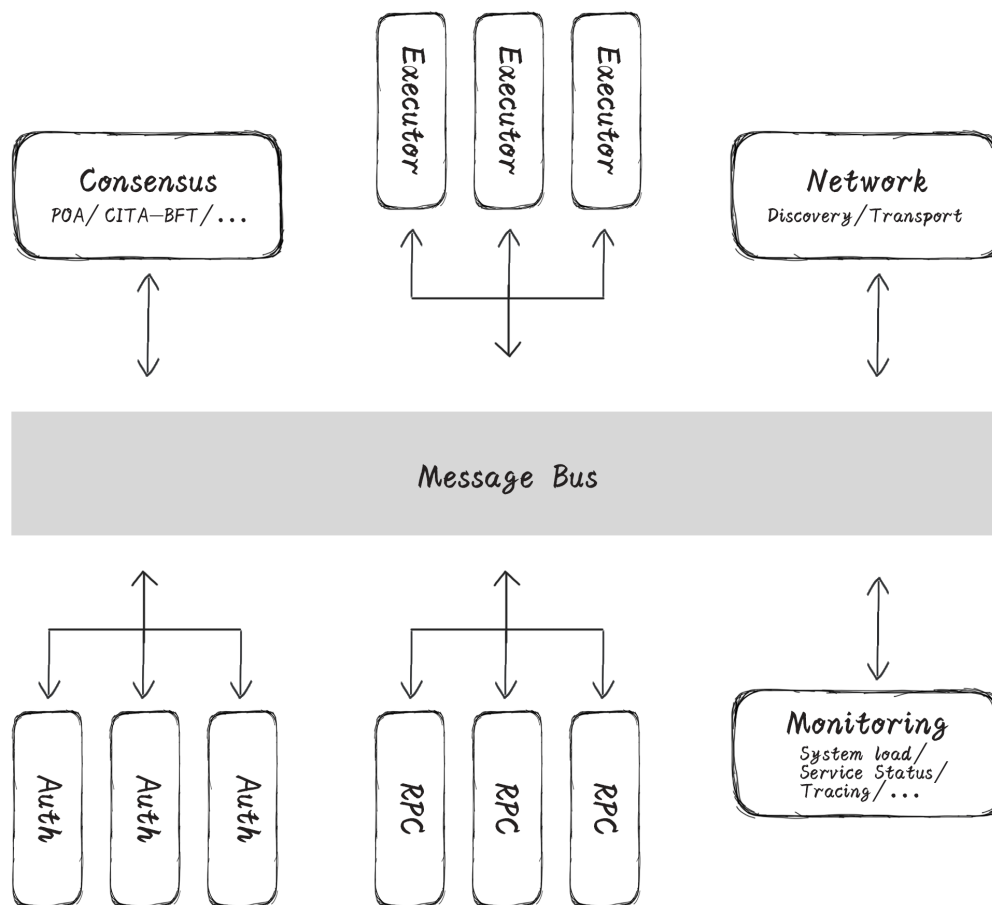
Cryptape

Inter-enterprise Trust Automation

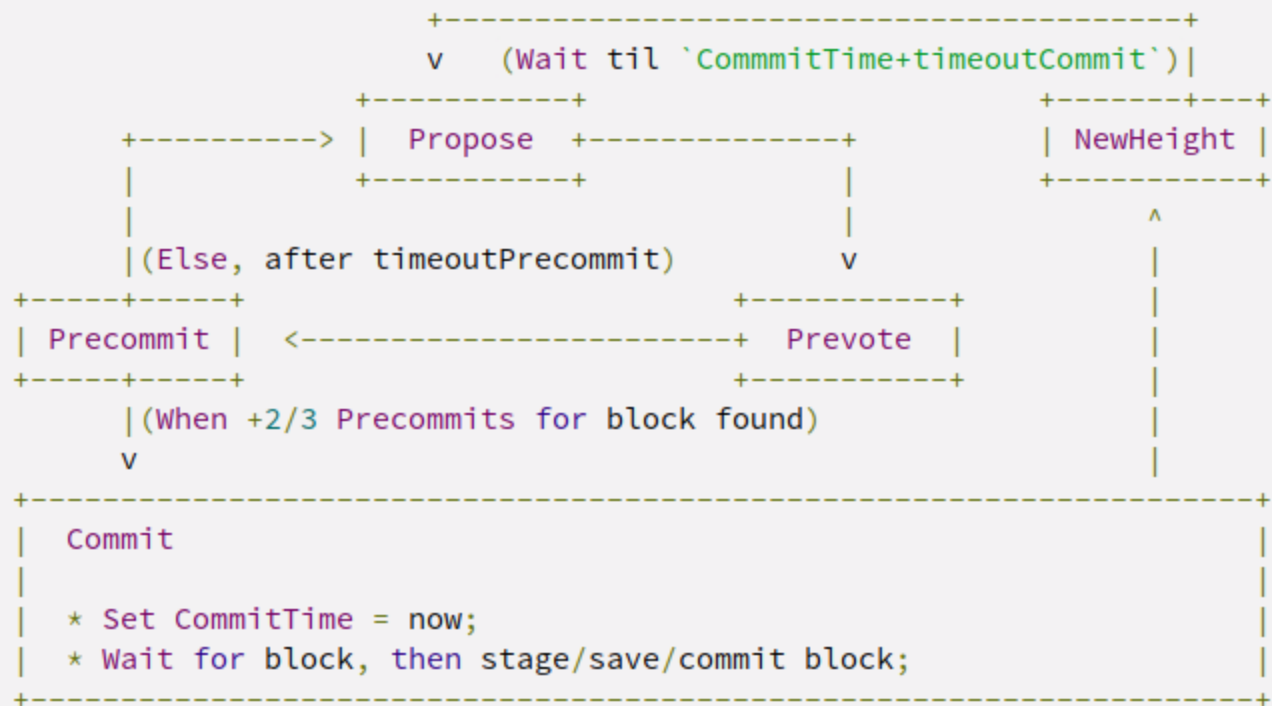
Scalability

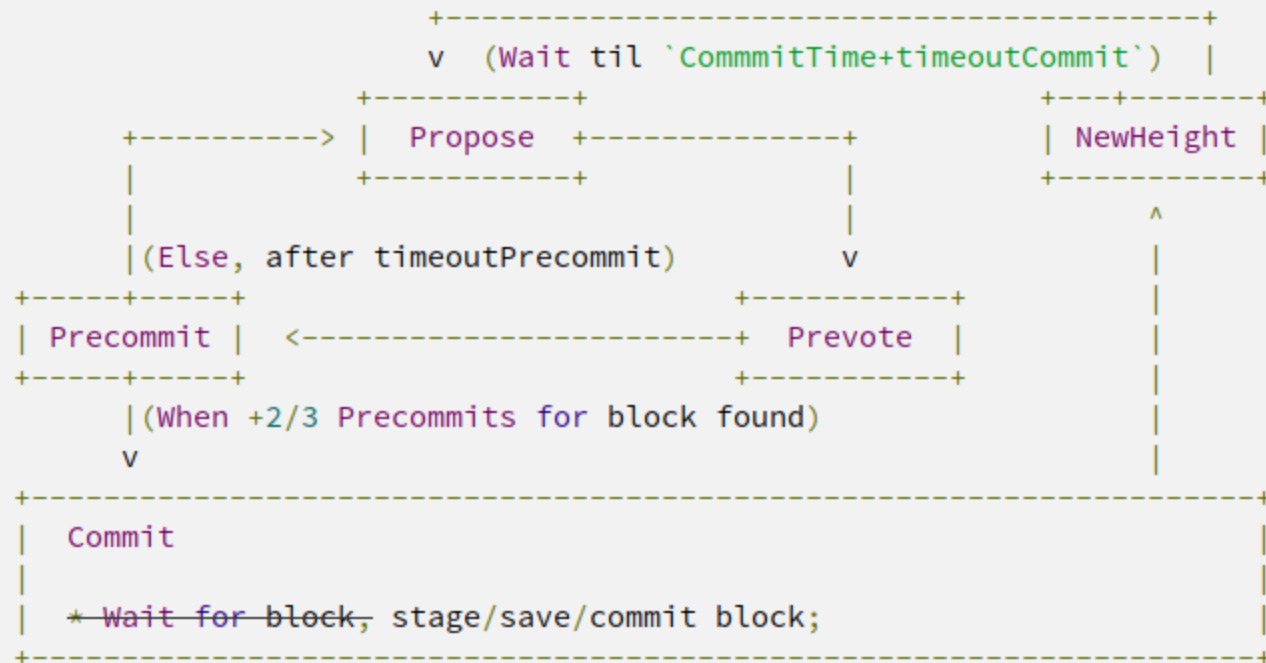
scale-out by sharding?

A even better way to scale Microservices

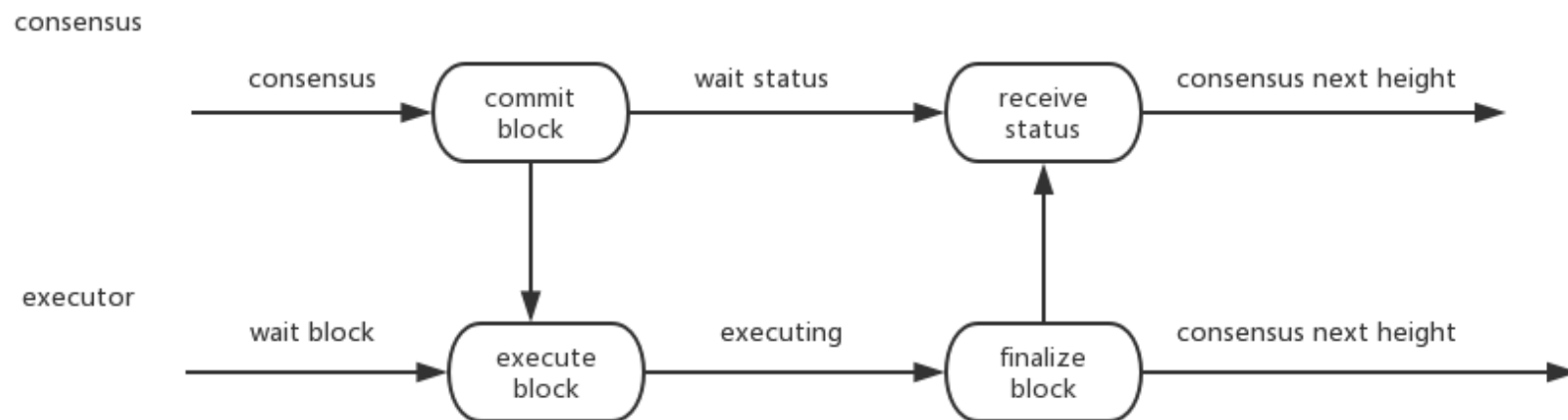


CITA- BFT

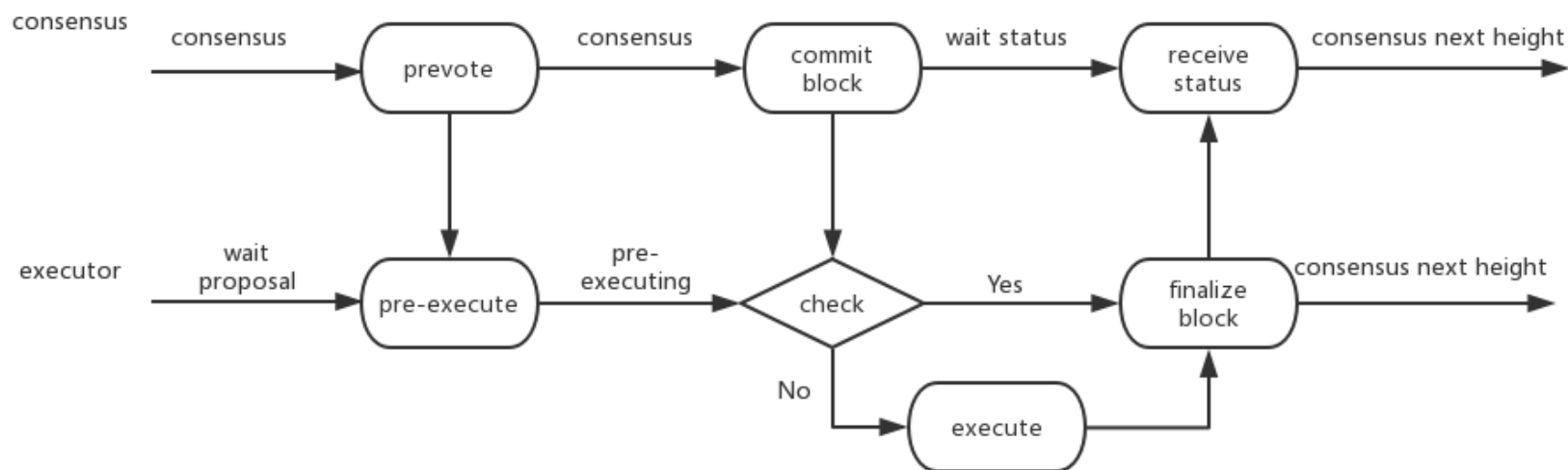




Pre-processing



NewHeight -> (Propose -> Prevote -> Precommit)+ -> Commit -> NewHeight ->...



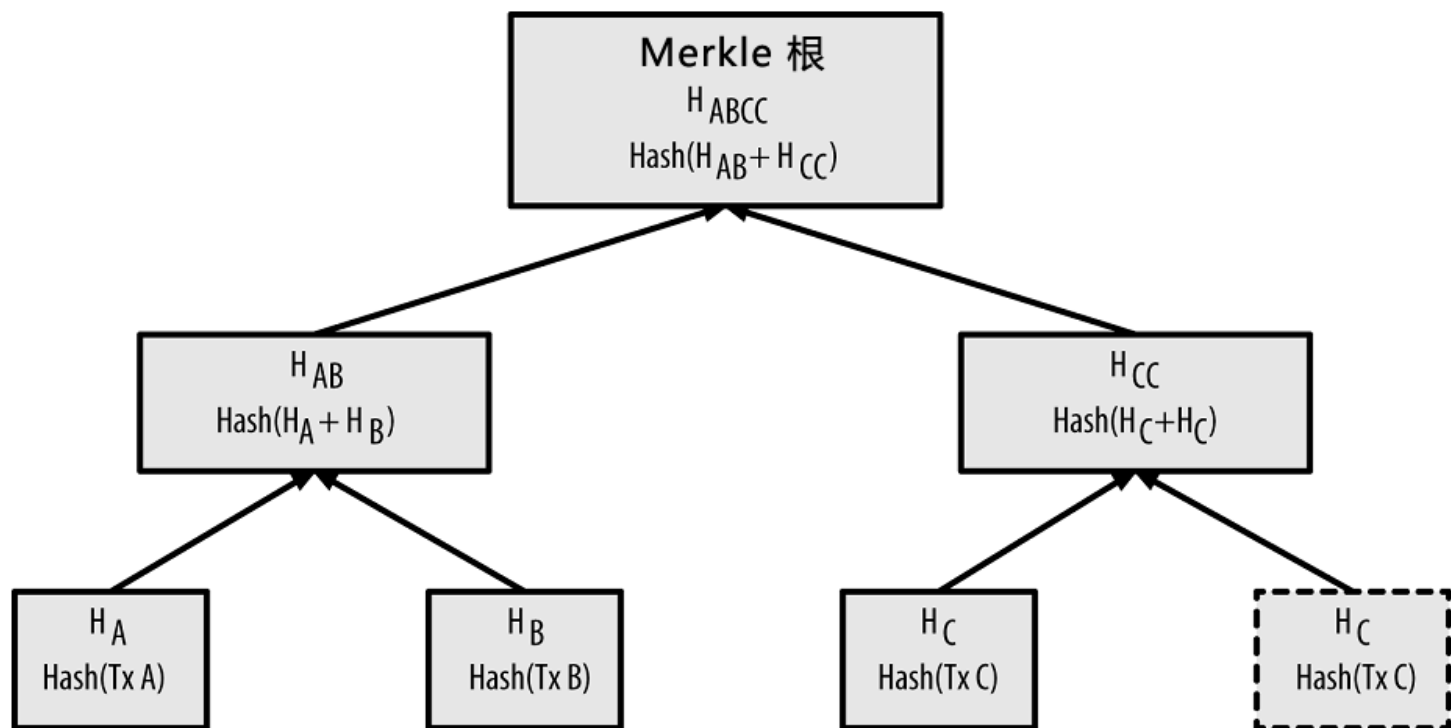
Cache

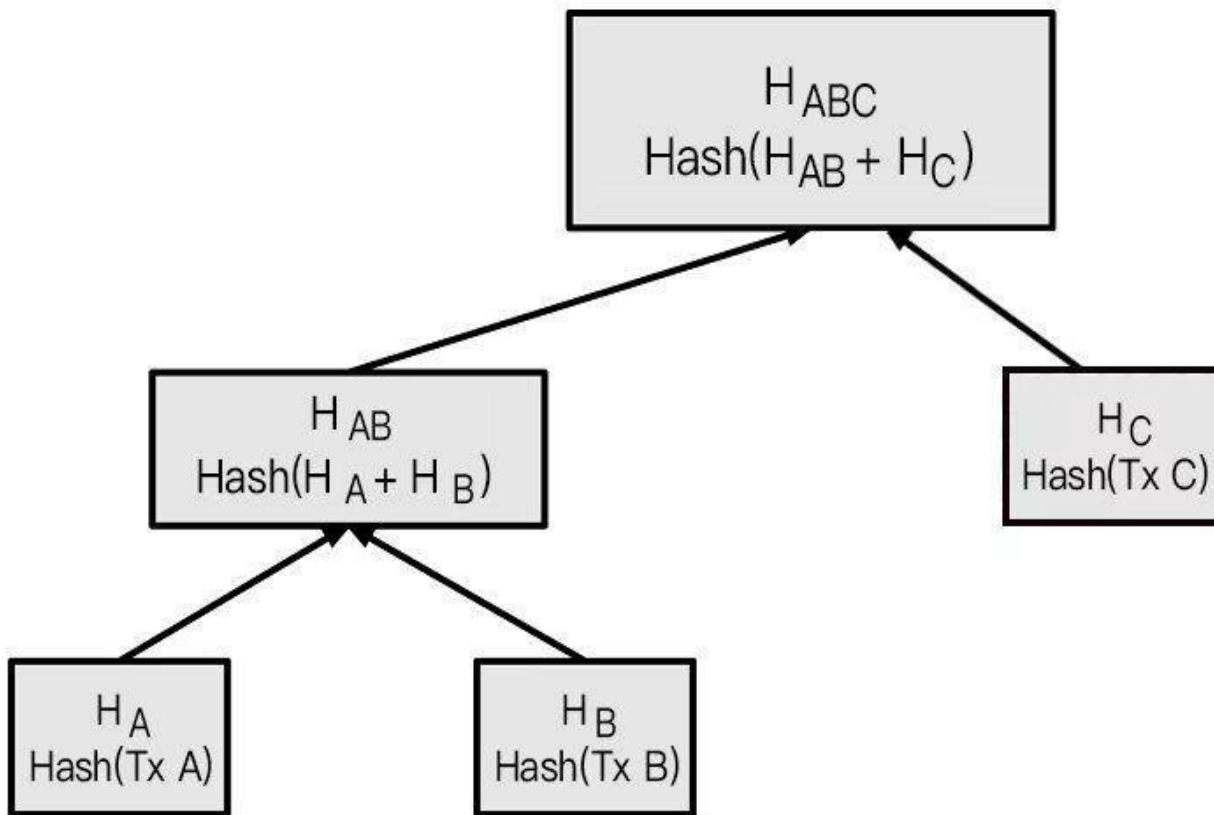
Verify Signature / Block / State

Message communication

Compression / package

Receipt Root





Crypto

secp256k1
keccak
ed25519
blake2b

Batch Transactions

Rust

Performance:

Rust is blazingly fast and memory-efficient: with
no runtime or garbage collector

Reliability:

Rust's rich type system and ownership model
guarantee memory-safety and thread-safety

program correctness was
checked by tests
VS
logically proven

The role of tests

Db / Compact block

<https://github.com/cryptape/cita>

<https://www.oschina.net/p/cita>