



The image features the Cosmos logo, which consists of the word "CØSMOS" in a bold, black, sans-serif font. The "Ø" is stylized with a diagonal slash through it. The logo is centered over a light gray background that includes a faint, circular globe with a world map. Surrounding the globe are several faint, light gray text elements: "XMR" in the upper left, "BTC" in the upper right, "EXCHANGE" on the right side, and "DOGE" on the left side. The overall design is clean and modern, emphasizing the global nature of the blockchain network.

CØSMOS

Internet of Blockchains



“Impossibility of Distributed Consensus with One Faulty Process”

- Fischer, Lynch, Paterson (1985) (FLP)

“Consensus in the Presence of Partial Synchrony”

- Dwork, Lynch, Stockmeyer (1988) (DLS)

“Practical Byzantine Fault Tolerance (PBFT)”

- Castro, Liskov (1999)

“Bitcoin: A Peer-to-Peer Electronic Cash System”

- Satoshi Nakamoto (2008)

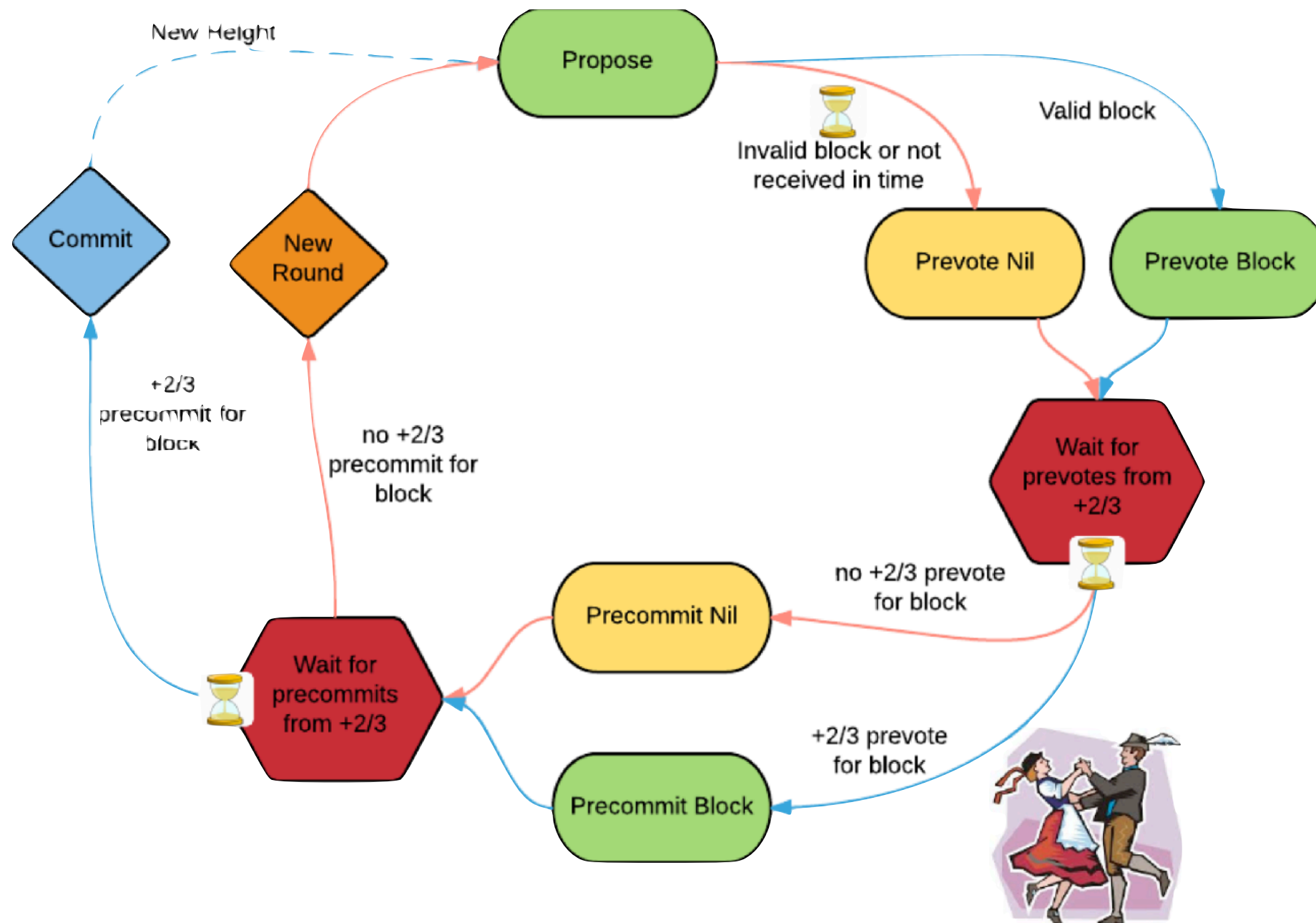
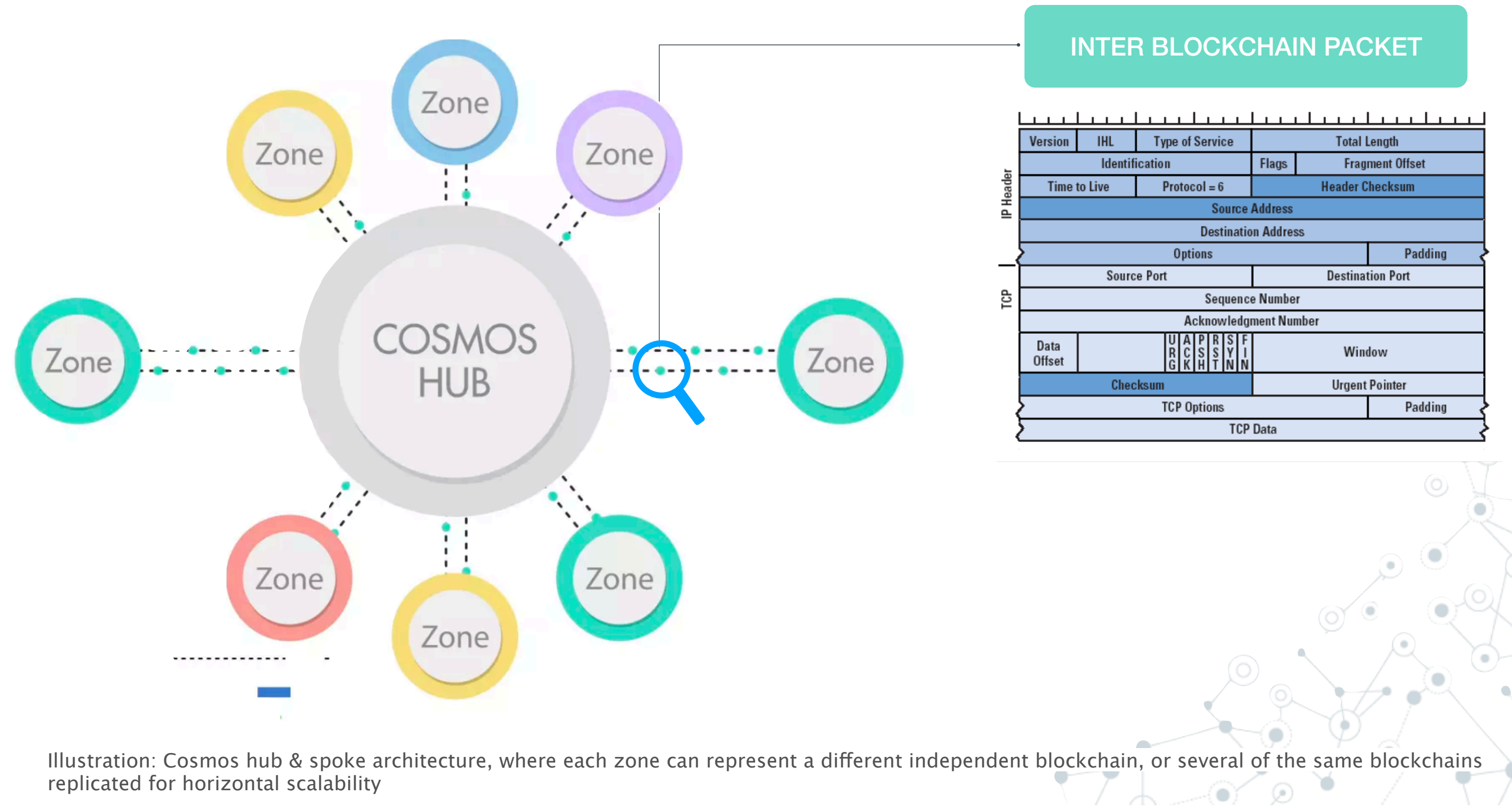


Illustration: A voting round depicting a circuit of partially synchronous proposals, followed by asynchronous voting. After the proposal step, validators only make progress after hearing from $\frac{2}{3}$ or more of the other validators. The dotted arrow extends the consensus into atomic broadcast by moving to the next height.

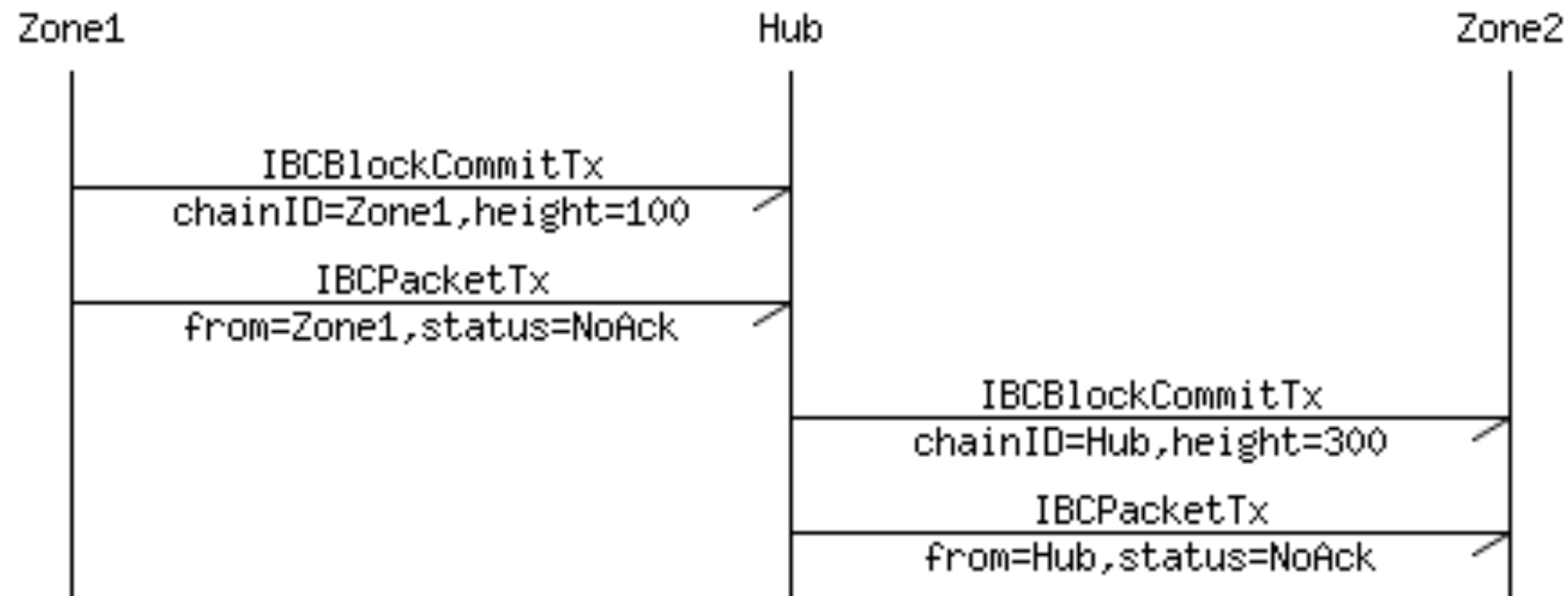


Tendermint BFT “Blockchain Engine”

- **Fast finality** - e.g. 100 validators, 3 second block times
- **High throughput** - the app logic is the bottleneck
- **Fault tolerance** - up to $\frac{1}{3}$ of malicious actors
- **Fork-accountability** - can punish $\frac{1}{3}$ of malicious actors
- **Open-source** - Apache2.0 (<http://github.com/tendermint>)
- **General-purpose** - network socket interface (ABCI)



Inter-blockchain Communication



SEE: INTERBLOCKCHAIN (IBC) PROTOCOL SPECIFICATION, JAE KWON



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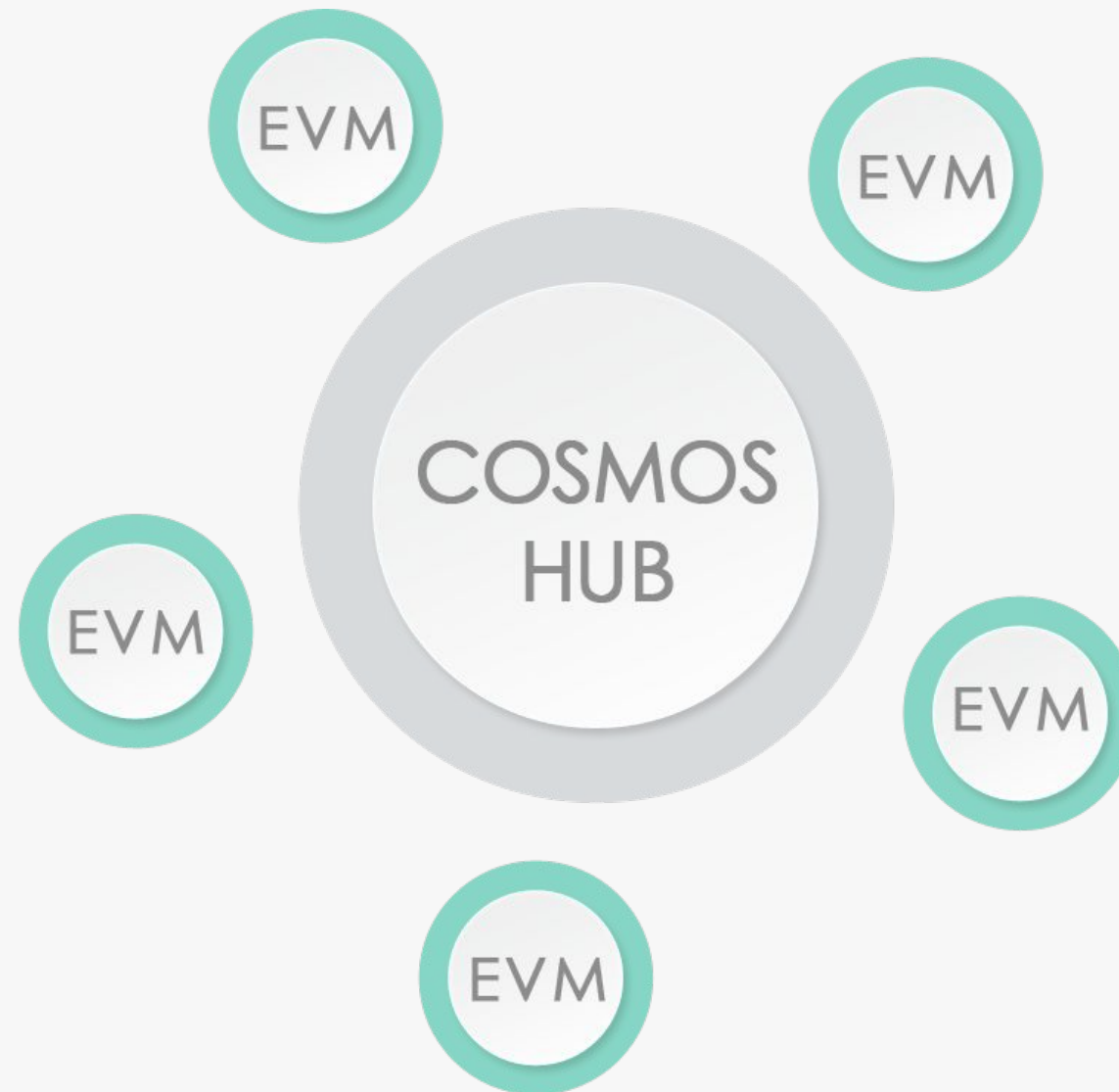
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Cosmos Dex (distributed exchange):

- Distributed custody
 - Centralized order matching
- Best of both worlds

C Ø S M O S

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~~Fundraiser coming soon~~

was a massive success

<http://cosmos.network>

<http://tendermint.com>

(& we're hiring)