GÉANT - TF-DLT - Dragonfly / Mantis

SWITCH

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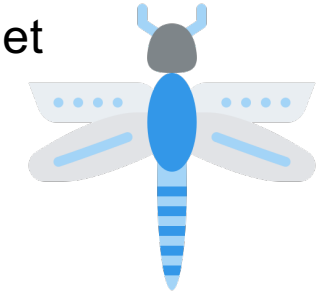
Motivation that lead to Dragonfly

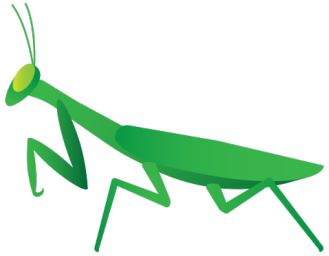
- Layer 1 blockchains are hard to scale
- Current Layer 2 blockchain mostly focus on Crypto or specific industries (e.g. Energy, Supply-Chains, etc.)
- Other PoA Blockchain initiatives are very closed and have access limitations.
  => e.g. Switzerland is not allowed to use EBSI.
- Blockchain technology is very well established in Switzerland. Many of the current digital ledgers have roots in Switzerland
- It can be beneficial if a PoA blockchain is not driven by the speculative value of the main currency. Dragonfly gas tokens is very inflationary by design and can be seen as a SLA token to use the dragonfly infrastructure rather than having financial value.

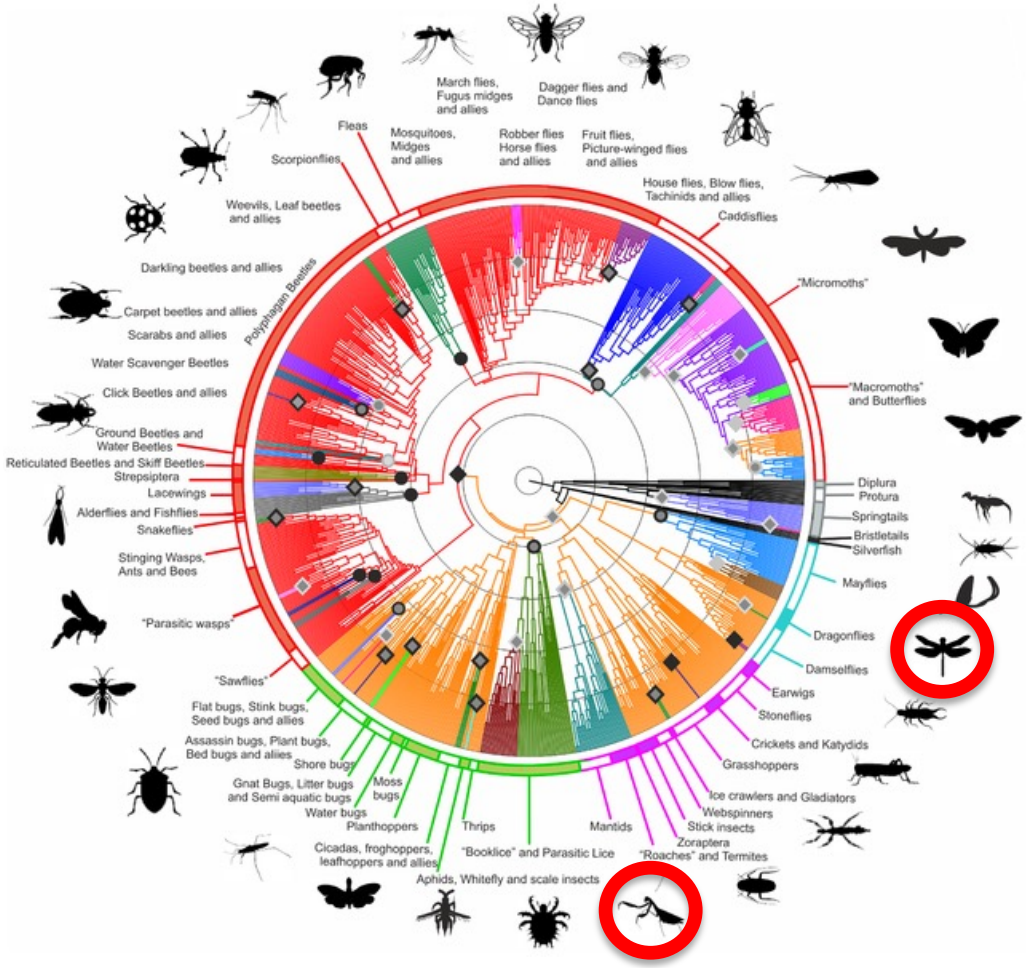
Hexapods – The Name ‘Dragonfly’

- Hexapods are insects with 6 legs.
- We use hexapod names to identify components of the Dragonfly ecosystem.
- Dragonfly is the mainnet (production)



- Mantis is the testnet.



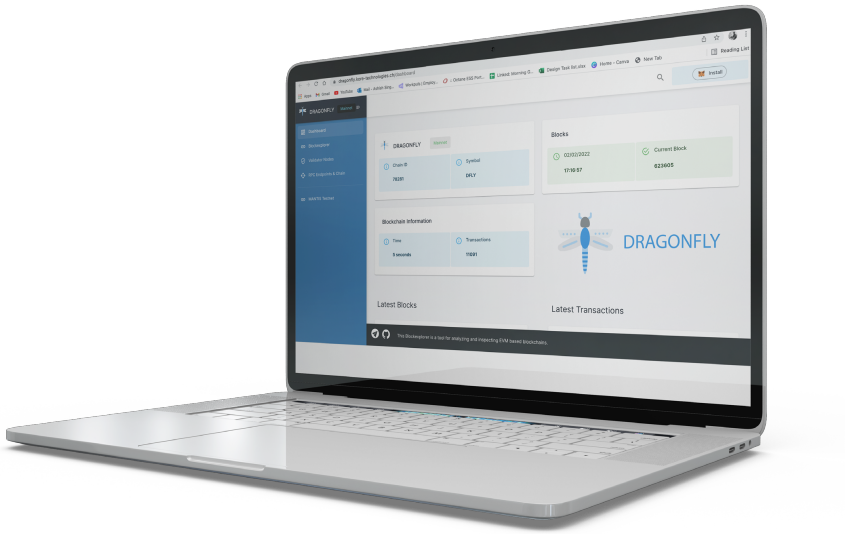


Dragonfly Blockchain

- Fast, Scalable and Secure
- Open to anyone
- Dragonfly Mainnet / Mantis Testnet
- Layer-2 Blockchain based on Hyperledger BESU

Dragonfly ticks all the boxes

- Fully EVM (Ethereum Virtual Machine) Compatible
- Cost-efficient & scalable: Capacity to mass validate thousands of transactions per seconds with transaction costs close to zero.
- Sustainable: PoA consensus mechanism. CO2 neutral energy consumption.
- Secured by trusted node validators



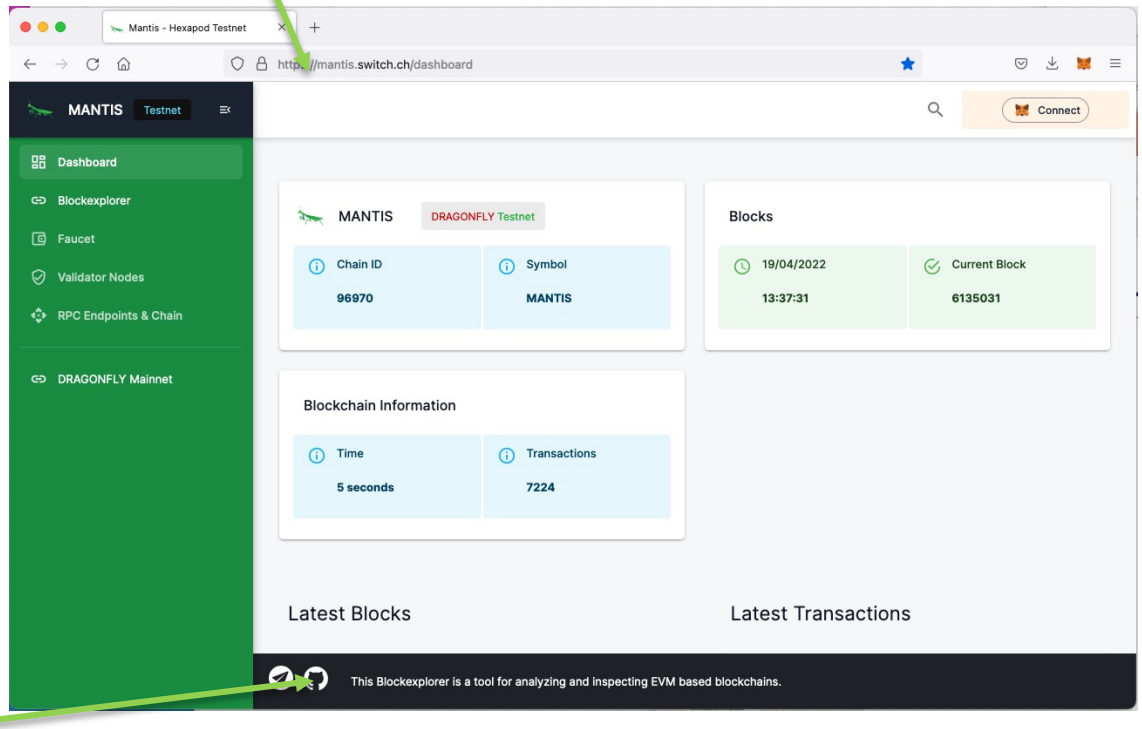
=> https://github.com/hexapods/mantis/blob/main/statement.pdf

Dragonfly's Pioneering Validators

Mantis Testnet

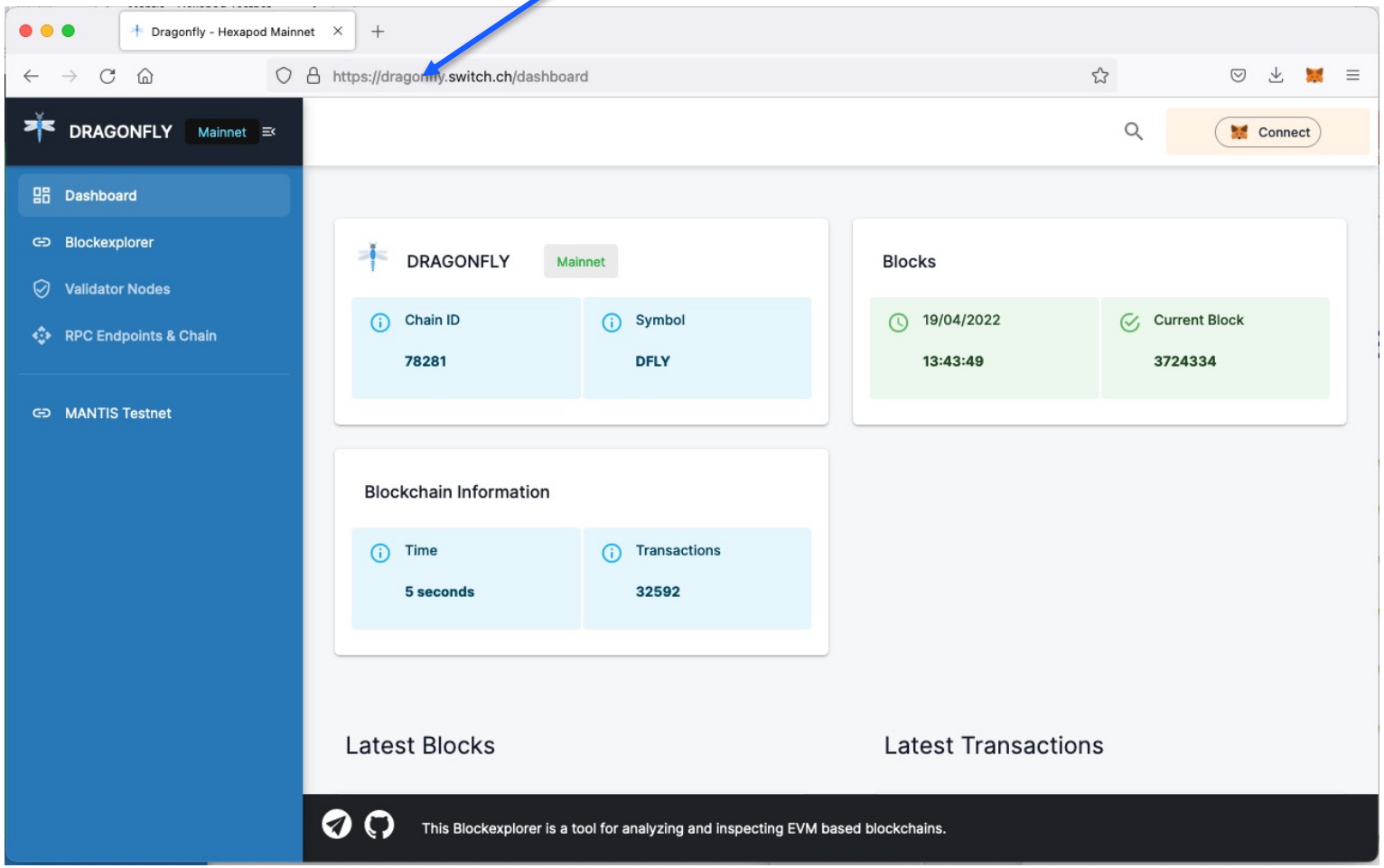
https://mantis.switch.ch/ (or any other validator node's page)

- Dashboard
- Block Explorer
- Faucet
- Validator Nodes
- RPC & Chains
- Link to Mainnet
- Link to Github



Dragonfly Mainnet

https://dragonfly.switch.ch
(or any other validator node's page)



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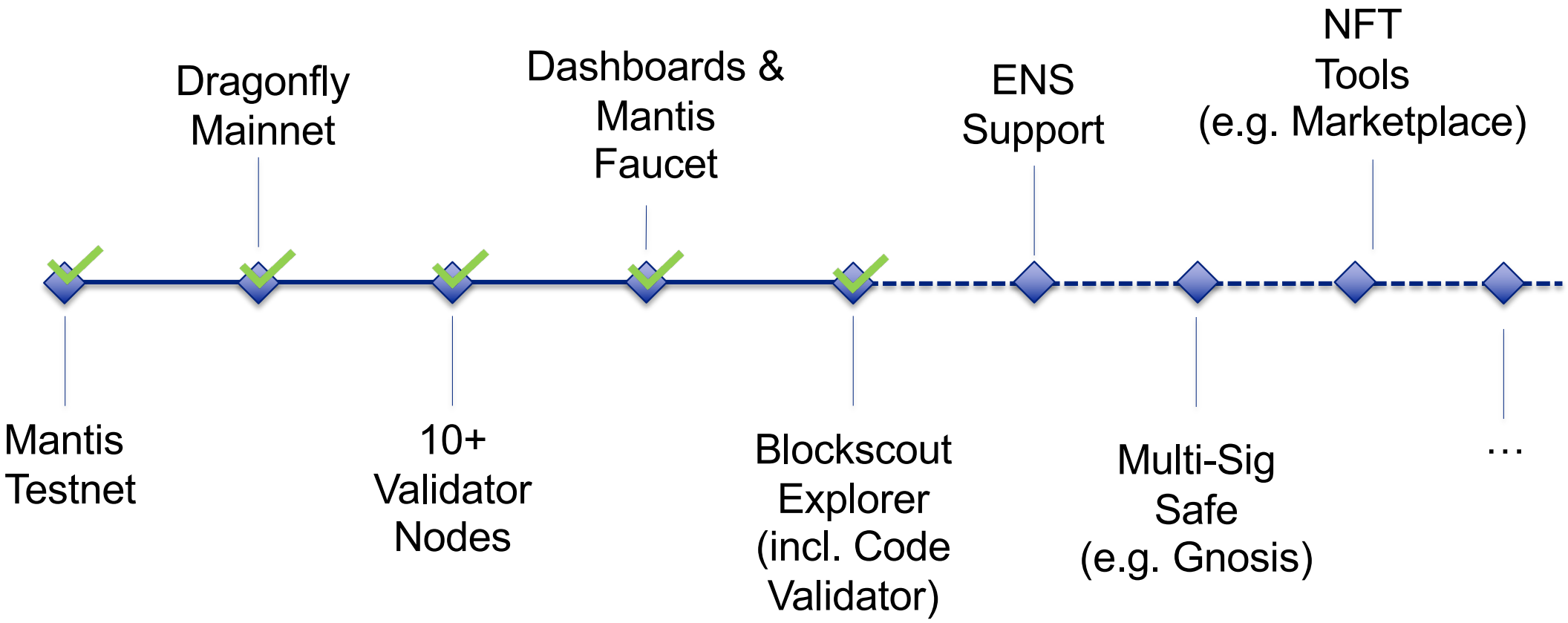
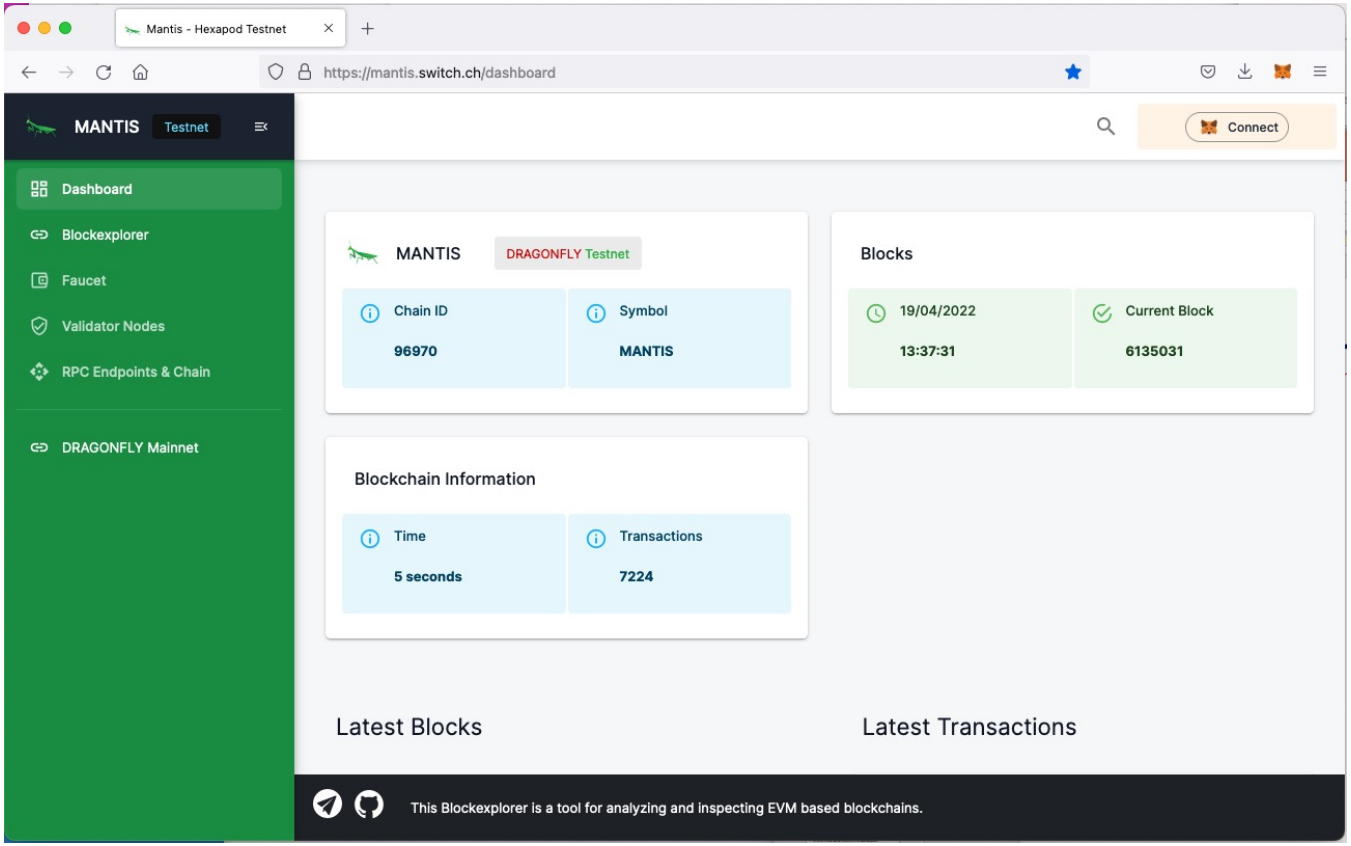
Dragonfly Roadmap



Mantis Live Demo



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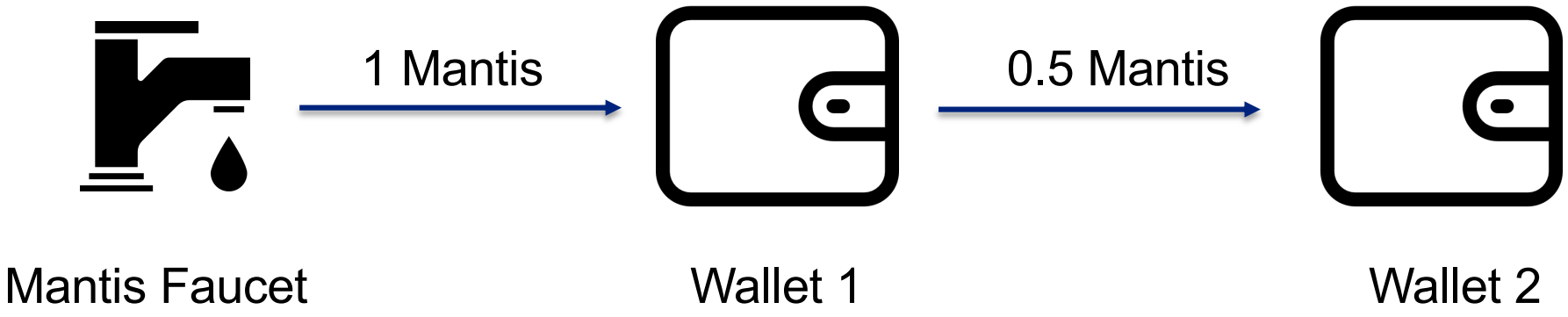

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