



**Robert
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Core Developer

@ MultiversX

Fast, Secure, Deterministic execution
On Blockchain

MultiversX



Mainnet since 2020

Resolving the blockchain trilemma

Network, state, execution sharing

30k TPS

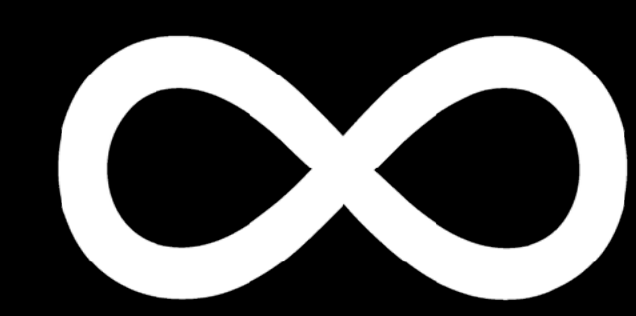
>2 million users

>400 Smart Contracts

>3200 nodes/validators

MultiversX

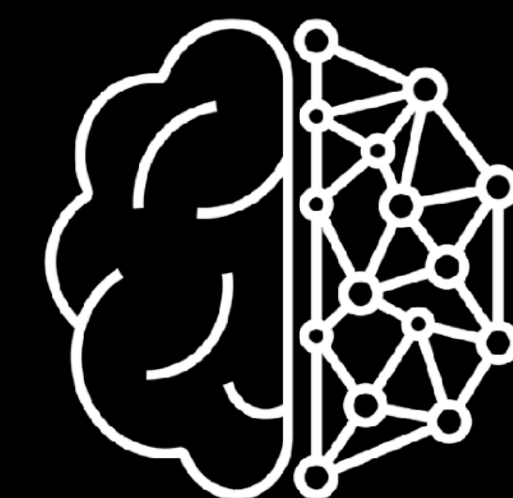
Internet-Scale Execution



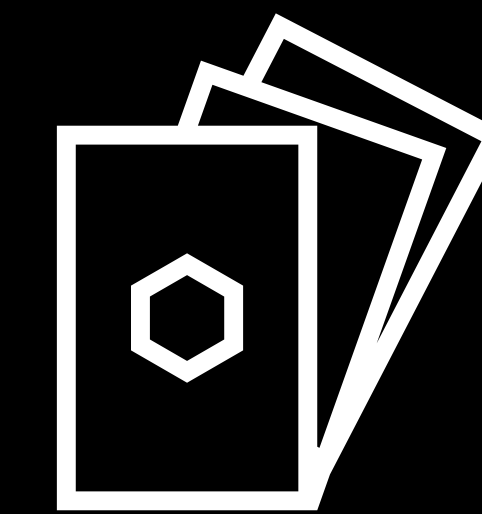
Virtual
Machine



Smart
Contracts



Smart
Accounts



Tokens

The MultiversX WASM VM

Security and Scalability

Sandbox execution

Deterministic

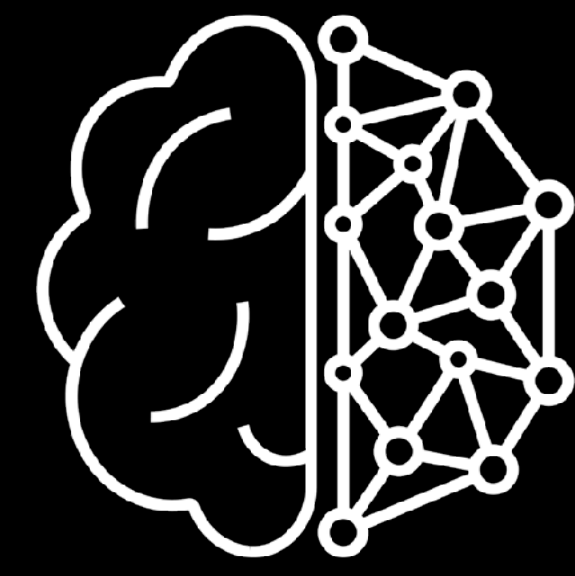
Built-in gas usage

Cache for all

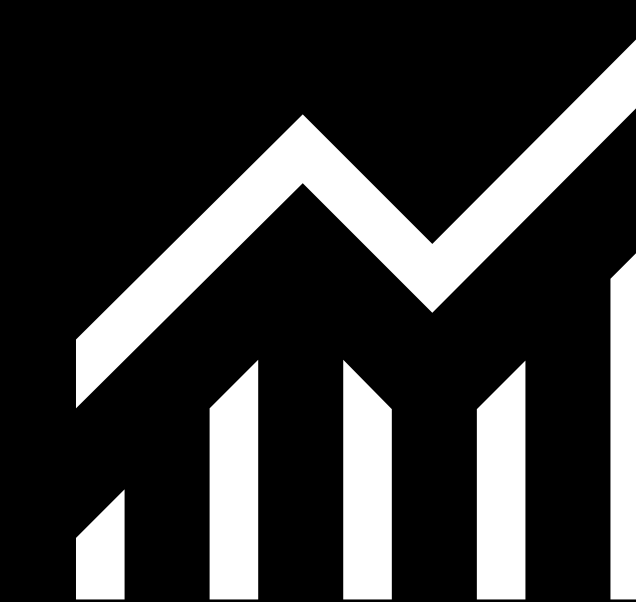
Faster Than Fast



Ahead of Time
Compilation



WARM



Wasmer
Upgrades

BLS, Schnorr, Elliptic Curves

Audited Cryptography APIs

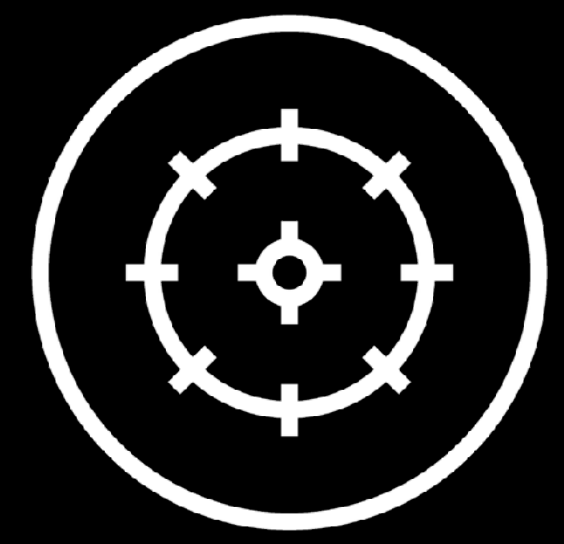
Big Math, Managed Buffers

4223

Composable Architecture

Future-proofing our supercharged WASM VM

Solving Composability In A Sharded Environment



Asynchronous Calls

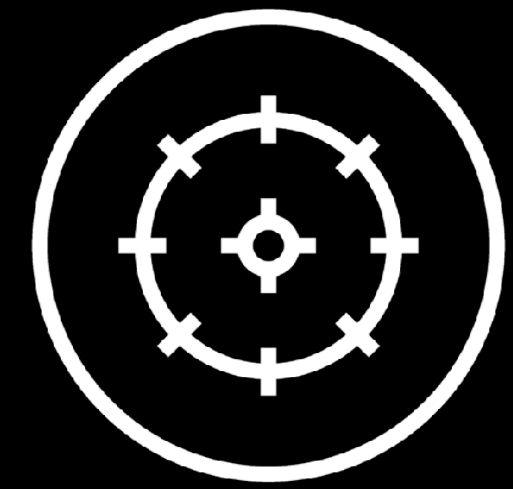


Timelocks



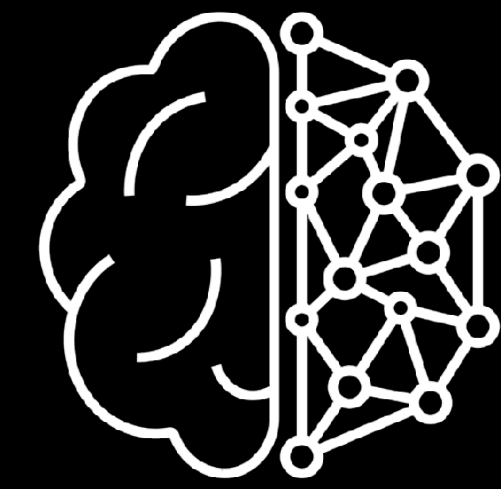
Promises

Architected For The Multiverse



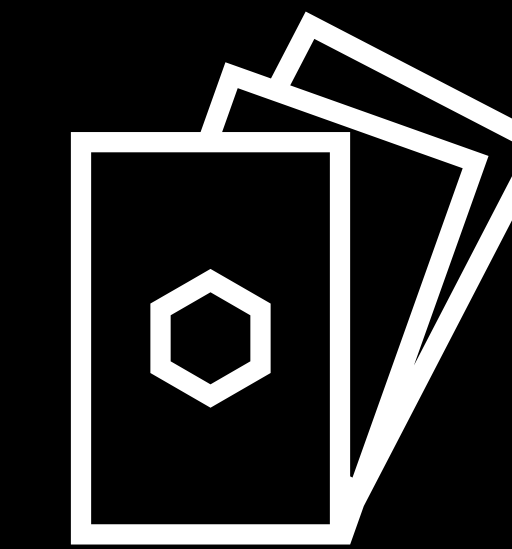
Smart Contracts:

- fast
- small
- composable,
upgradable
- royalties



Smart Accounts:

- Web3 ID building blocks
- associated data trie
- key-value storage



Tokens:

- fast web3 payments
- true ownership
- NFT royalties
- boundless creativity

Thank you!

Virtual Machine

MultiversX

