SCALING WITHOUT COMPROMISES

MAY 25, 2018, THE HAGUE

KOMODO™

END-TO-END BLOCKCHAIN SOLUTIONS

BUILDING AN INTEROPERABLE ECOSYSTEM

Decentralized
Scalable
Interoperable
Secure

ECOSYSTEM

WHY SCALABILITY?

Postponing scalability is dangerous, specially if there is a chance for extreme growth.

1382 %
in one month

→ Scalability cannot be an afterthought.

2018 IN NUMBERS

20 Million Software Developers

4 Billion Internet Users

23 Billion Connected Devices

20k

Transactions
Per Second

5,8k

Tweets
Per Second

0,52M

Messages
Per Second

11k

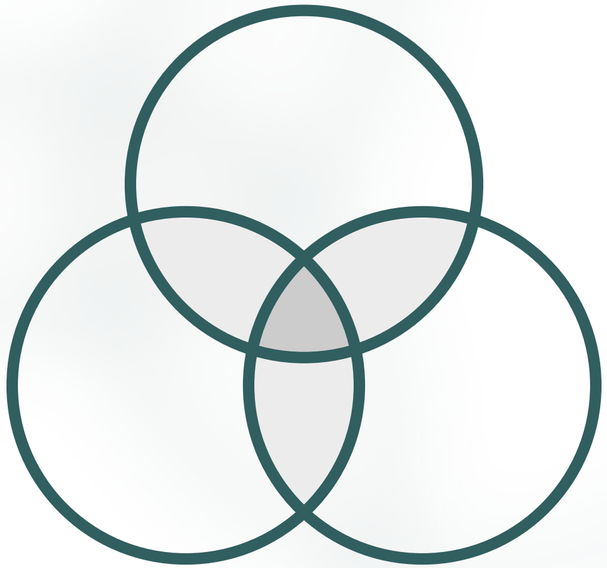
Swipes
Per Second

KOMODO ARCHITECTURE

HOW THE ECOSYSTEM SCALES

Single Chain, Vanilla Blockchain Tech

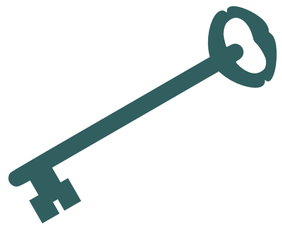
SCALABILITY



DECENTRALIZATION

Masternodes, Banks

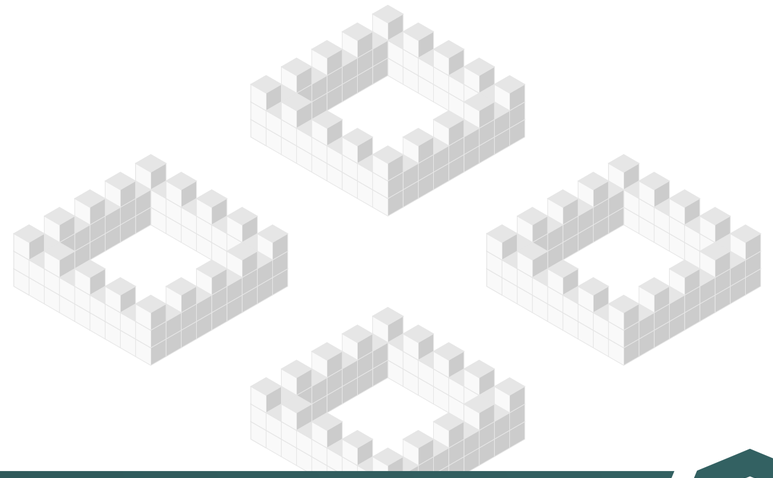
SECURITY



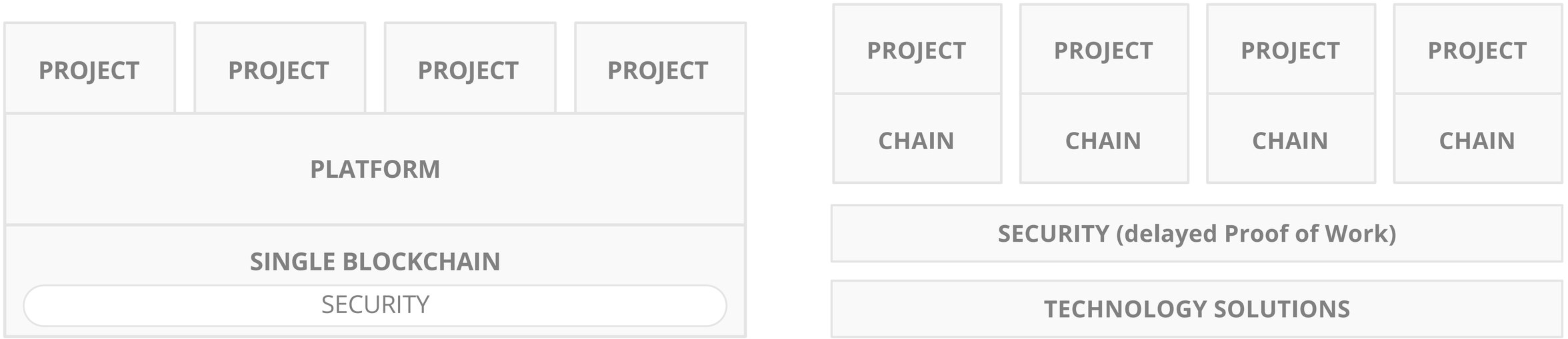
?

PLATFORM VS KOMODO (2016)

SHARED	INFRASTRUCTURE	SELF-HOSTED
SHARED	SECURITY	SEGREGATED



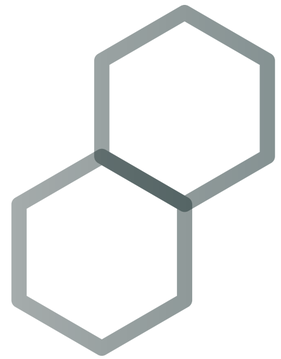
PLATFORM VS KOMODO (2016)



✕ Problems Ahead

✓ Ecosystem Scales

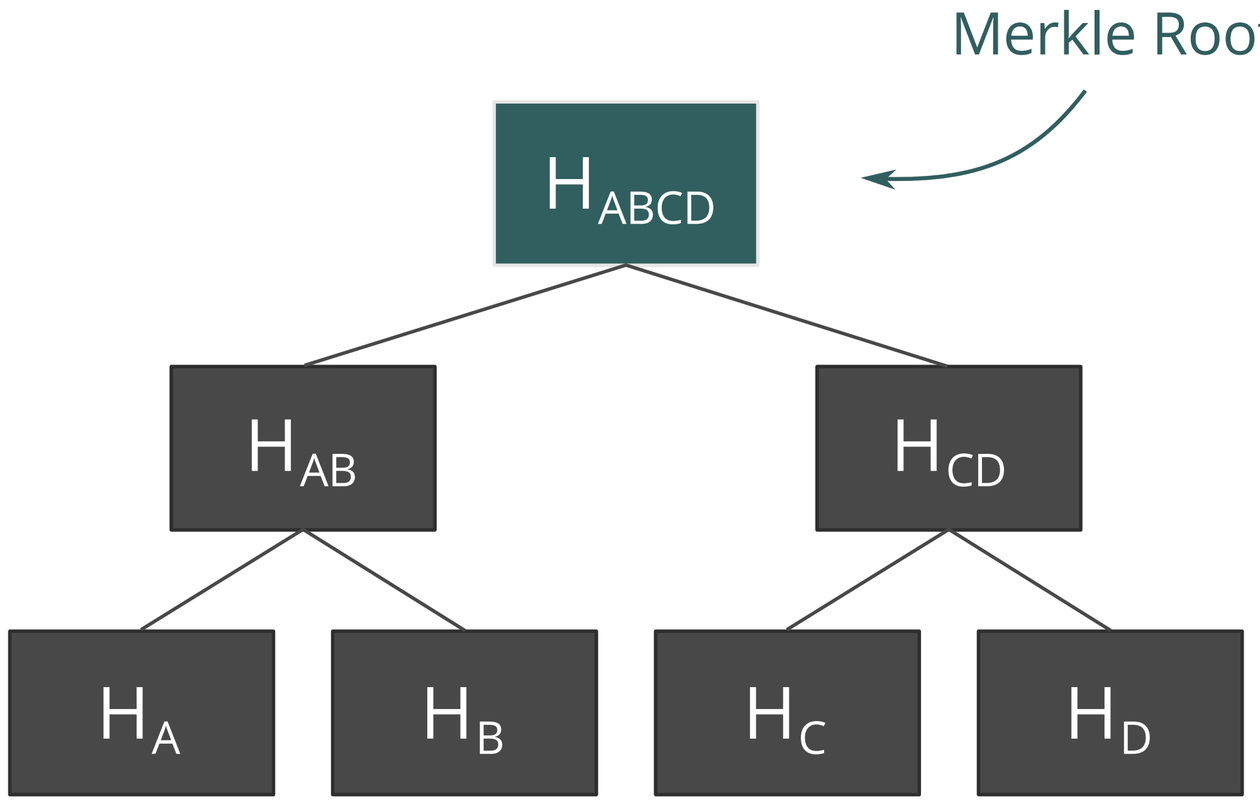
1. Ecosystem Scalability (2016)
2. Blockchain Scalability (2018)



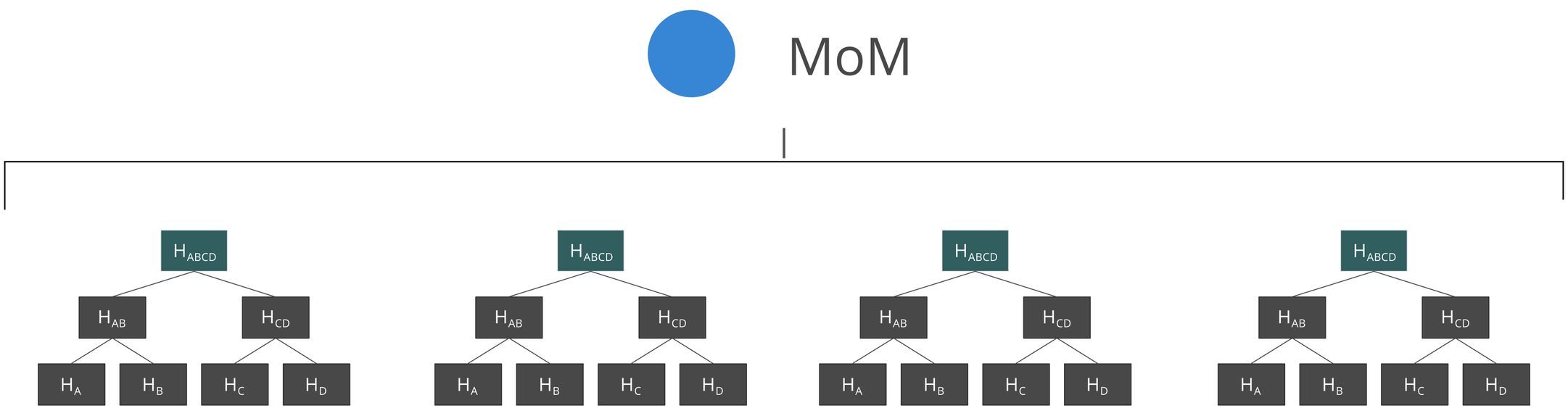
ASSETCHAIN SCALABILITY

CHAIN CLUSTERS & MULTI-CHAIN SYNCING

MERKLE TREE

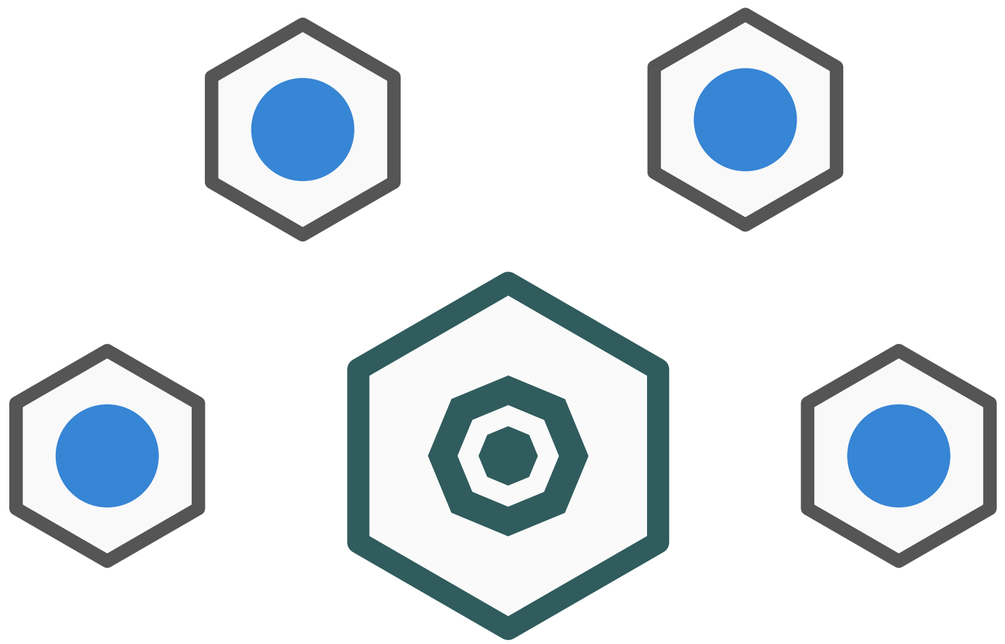


MERKLE ROOT OF MERKLE ROOTS



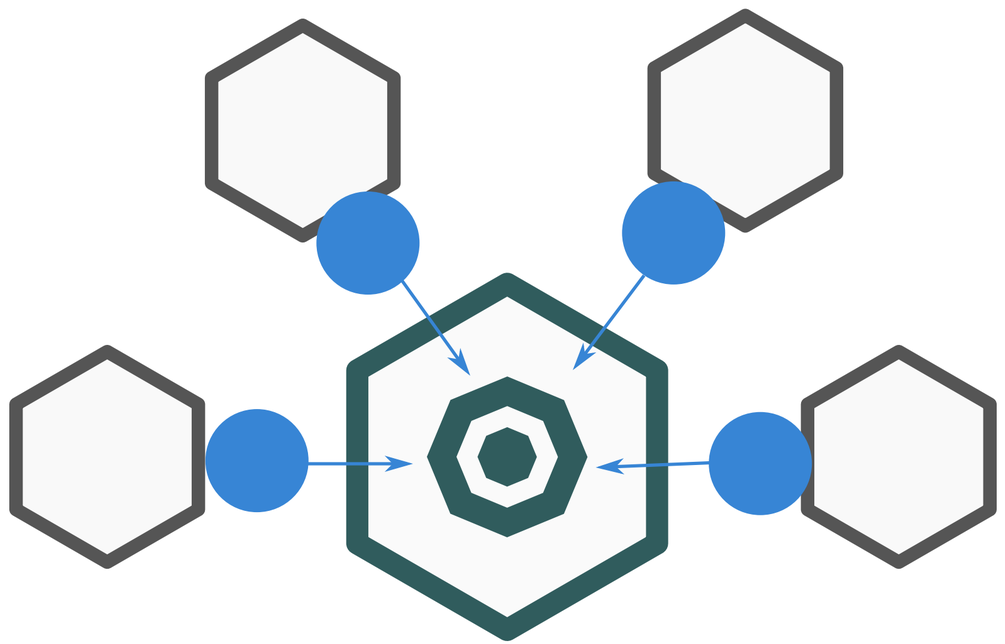
1. FINGERPRINT DATA

Multiple blocks are fingerprinted (MoM).



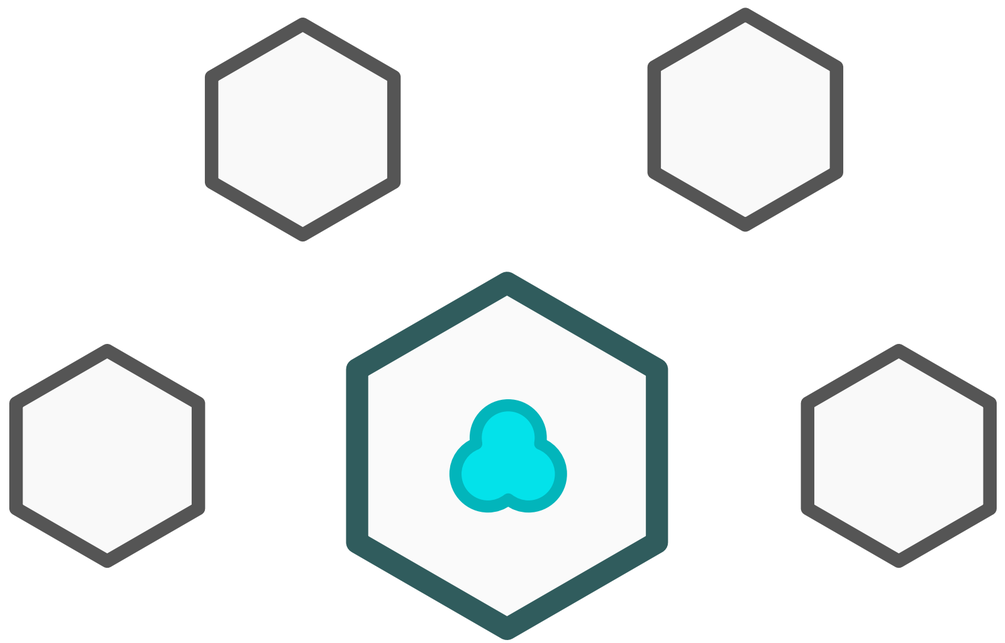
2. SYNC TO KMD

The fingerprint (MoM) is sent to the KMD blockchain.



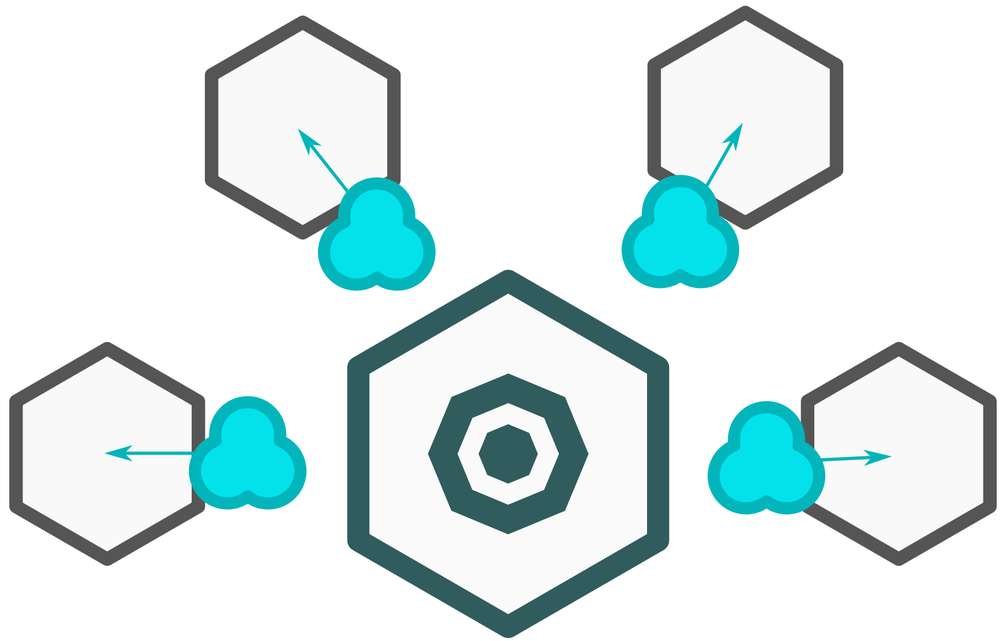
3. FINGERPRINT DATA

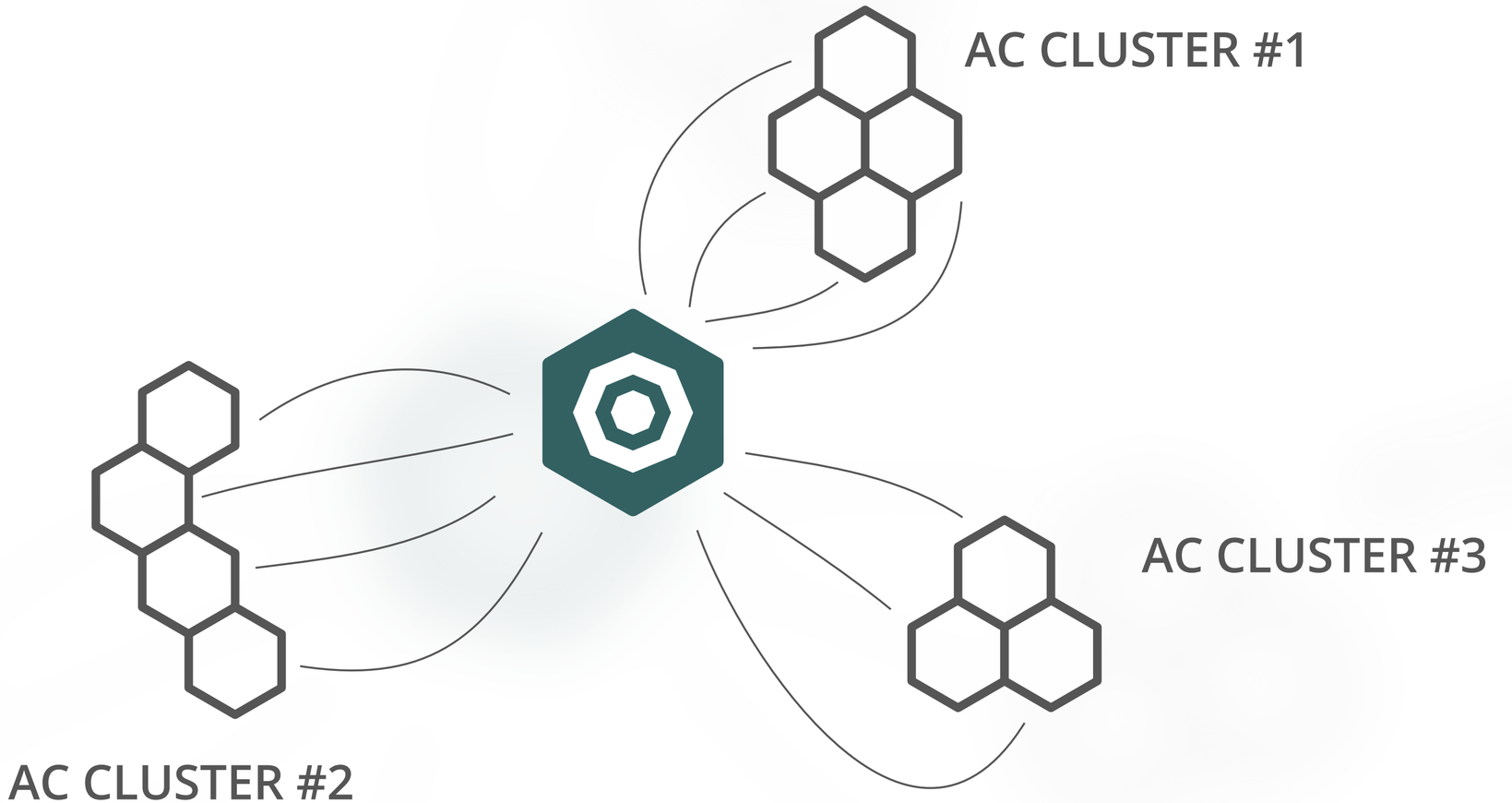
Komodo creates a master fingerprint (MoMoM).



4. SYNC FROM KMD

Fingerprints are sent back to all chains.




AC CLUSTER #1
AC CLUSTER #2
AC CLUSTER #3

Current World Record

Stress test results of March 16, 2018

1024

Chains

20k

Transactions
Per Second

800k

Payments
Per Second

Road to One Million TPS

Live Testing and Presentation

to be announced

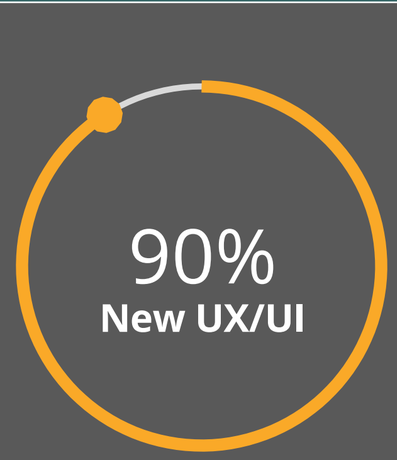
CONCLUSIONS

KOMODO MILESTONES

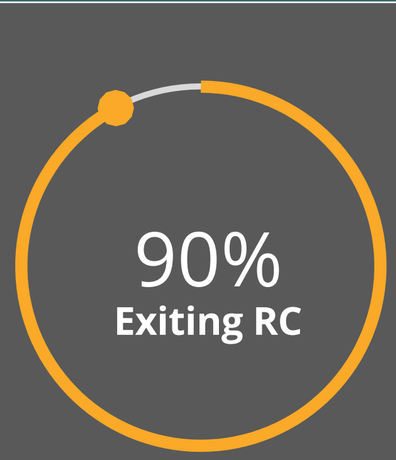
KOMODO TECH IS HERE

Core Komodo
Blockchain Technology

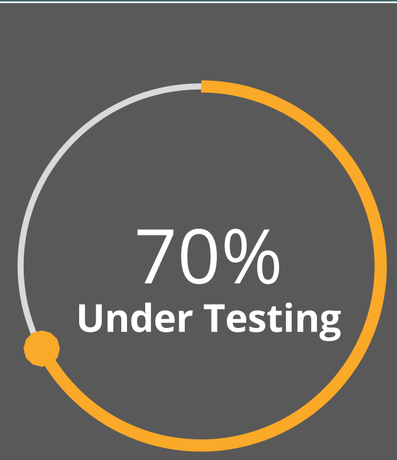
Atomic Swap
DEX Technology



dICO Platform
Decentralized Crowdfunding



KMD 2.0
Blockchain Scaling & Interop



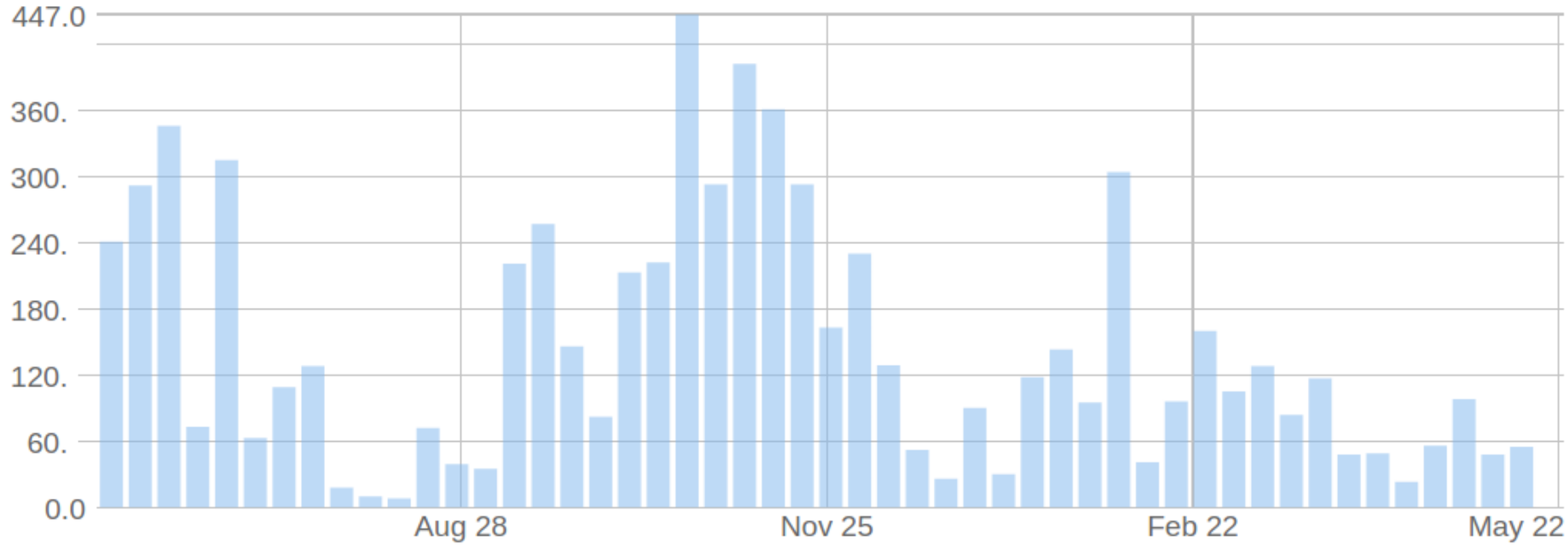
CRYPTOMISO.COM - RANK 1

1. Komodo · KMD

Decentralized ICOs

7,174 commits

30 contributors



Created: 2016/01/07 · **Updated:** 2018/05/19 · **Language:** C · **Watchers:** 43 · **Top contributor:** jl777

CHINA CCID - RANK 5

Technological capability, usefulness of the application, and innovativeness of the project.

	Ranking	Sub-Index			Total Index
		Technology	Application	Innovation	
Ethereum	1	80.3	23.7	25.4	129.4
Steem	2	82.6	9.4	23.9	115.9
Lisk	3	64.4	20.9	19.5	104.8
NEO	4	69.2	26.6	7.3	103
Komodo	5	60.3	12.8	28.5	101.5
Stellar	6	70.8	18.1	11.8	100.7
Cardano	7	60.3	13.7	24.3	98.2
IOTA	8	65.9	14.9	17.4	98.2
Monero	9	65.7	11.1	15.8	92.6
Stratis	10	60.2	19.3	12.2	91.7
Qtum	11	58.3	22.8	10	91
BitShares	12	71.6	12.3	7	90.8
Bitcoin	13	39.4	13.1	35.6	88.1
Waves	14	58.2	12.3	16	86.5

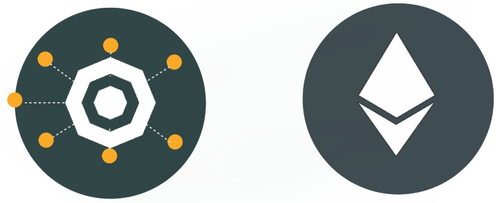
KOMODO 2.0

Inter-Chain Linking

Scale on demand and
act as a single logical chain.

Cross-Chain Smart Contracts

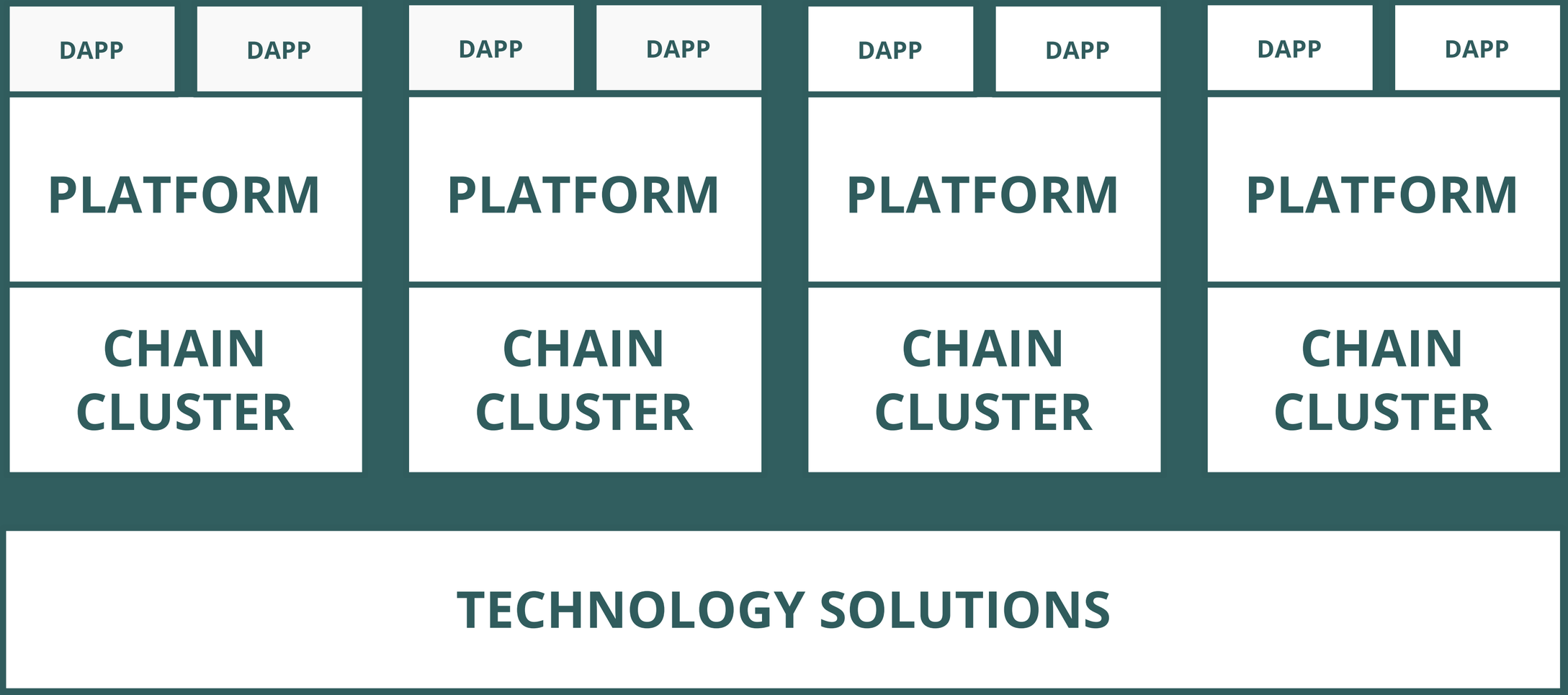
Blockchain agnostic
smart contract enforcement.



Blockchain Bridging

Interconnectivity between
isolated blockchains through
atomic swap DEX technology

KOMODO ECOSYSTEM ARCHITECTURE



KOMODO
TM