RCHAIN
COOPERATIVE

INDEPENDENCE

Each instance of RhoVM executes an independent set of smart contracts on an independent blockchain and networks only when necessary. This means that RChain is partitioned (sharded) by default, resulting in a network of coordinated and parallel blockchains. This well sought-after "multi-chain" design is built with self-sufficiency in mind, and it represents a victory unique to RChain.

SCALABILITY

As the platform grows, nodes simply initialize new instances of RhoVM to manage the load. This allows the platform to scale linearly while keeping performance, consistency, and code complexity constant.

PERFORMANCE

Each instance of RhoVM is lightweight and multi-threaded, so multiple high-performance instances can exist on a single node. Thus, applications on RChain achieve unprecedented throughput, availability, and response time, opening a new landscape of decentralized applications suitable for the modern market.

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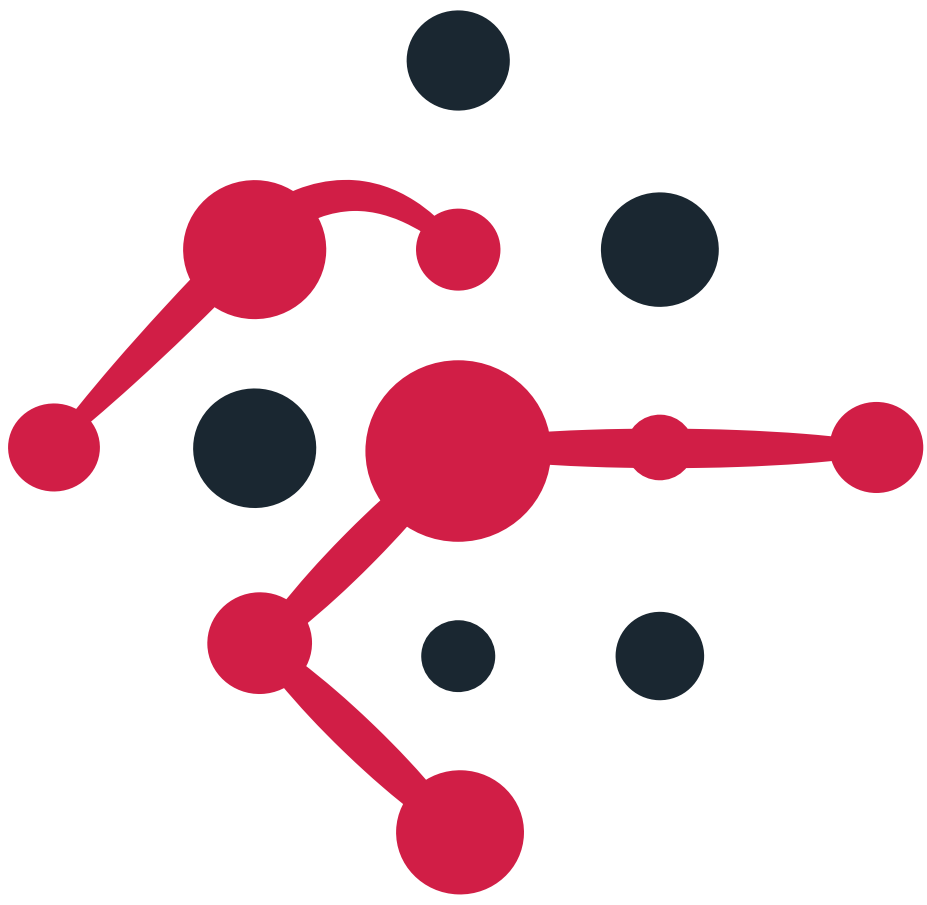

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