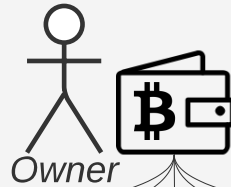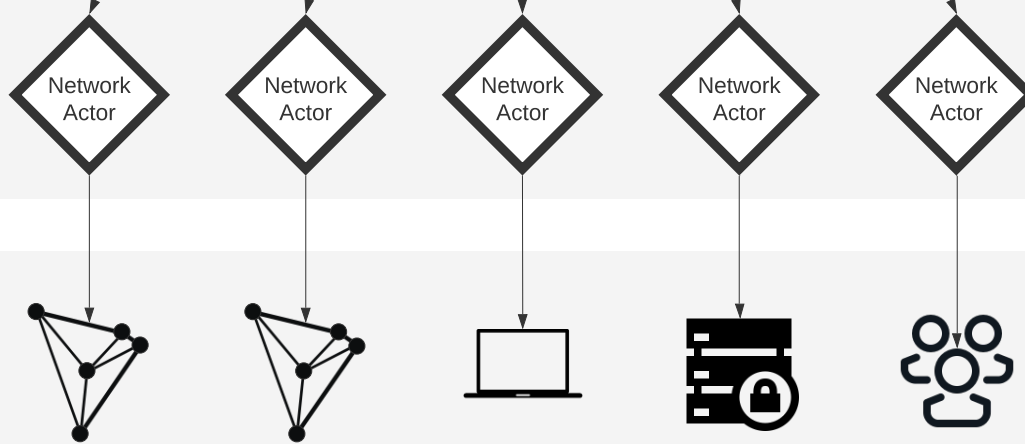# Key Distribution Topology
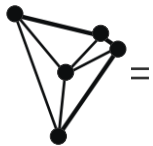
Owner

A cryptocurrency wallet contains a private key for each type of cryptocurrency stored (Bitcoin, Ethereum, XRP, etc.)

Network Actor   Network Actor   Network Actor   Network Actor   Network Actor

A private key is split and distributed among network actors. In this example, the a key is split into five pieces where three of the five are required to rebuild the key. Keys remain intact even after a permanent loss of two actors.

Different entities can operate as a network actor. Each entity has unique strengths which increase the overall security and durability of the system.

Privacy-Preserving Blockchain Network
= These networks are durable by design and offer additional security measures managed by the underlying provider.

Hosted Server
= Hosted servers provide additional security options commonly available in a centralized system (e.g. identifying coordinated attacks)

Owners's Computer
= Pieces stored on the owners computer are not aviailable to outside sources

Trusted Peers
= Trusted peers are difficult to identify and not readily available to outside sources