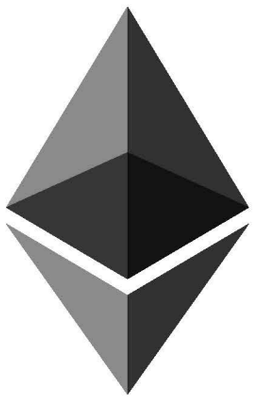


ETHEREUM

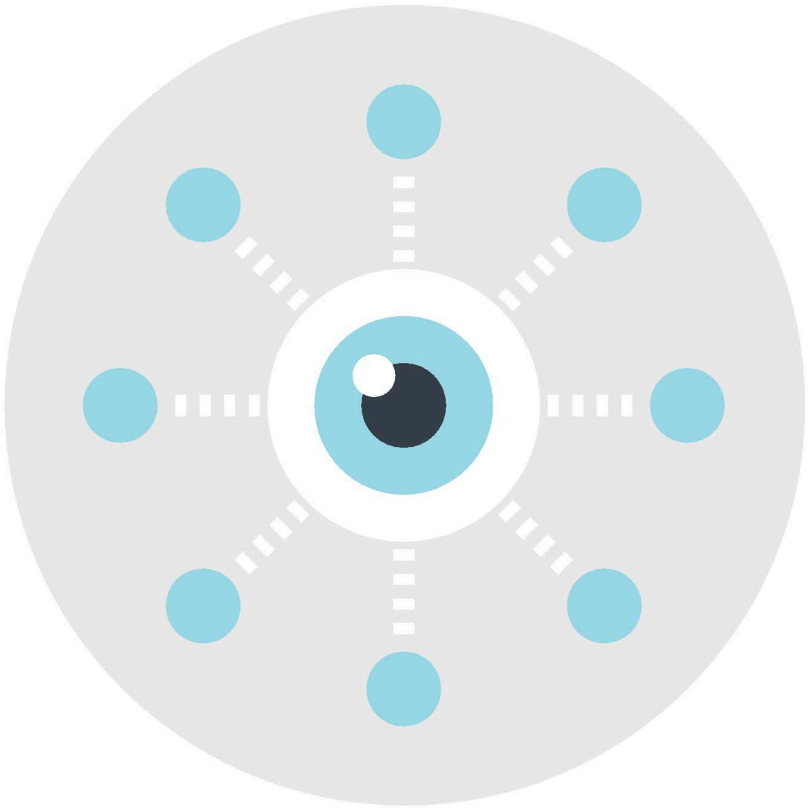
Decentralized Systems

Presented by: [Name] @[twitter handle]

Part of the Ethereum 101 Series: www.ethereum101.org

ETHEREUM

CENTRALIZED SYSTEMS



Information and control are held by a centralized source.

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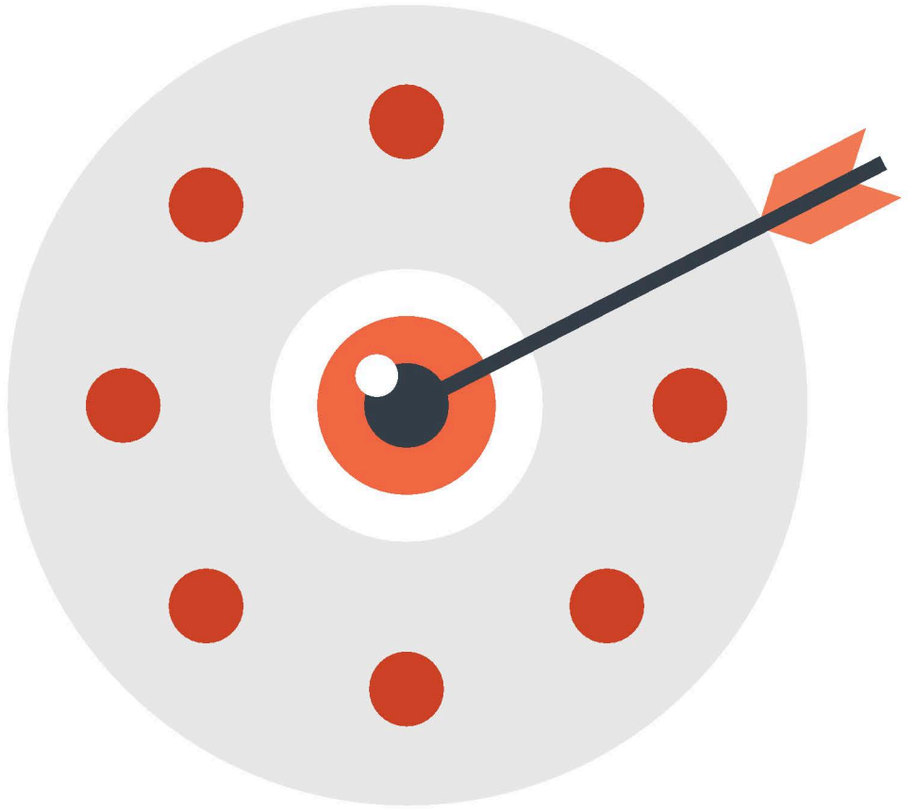
CENTRALIZED SYSTEMS



If the main node fails, the entire network fails.

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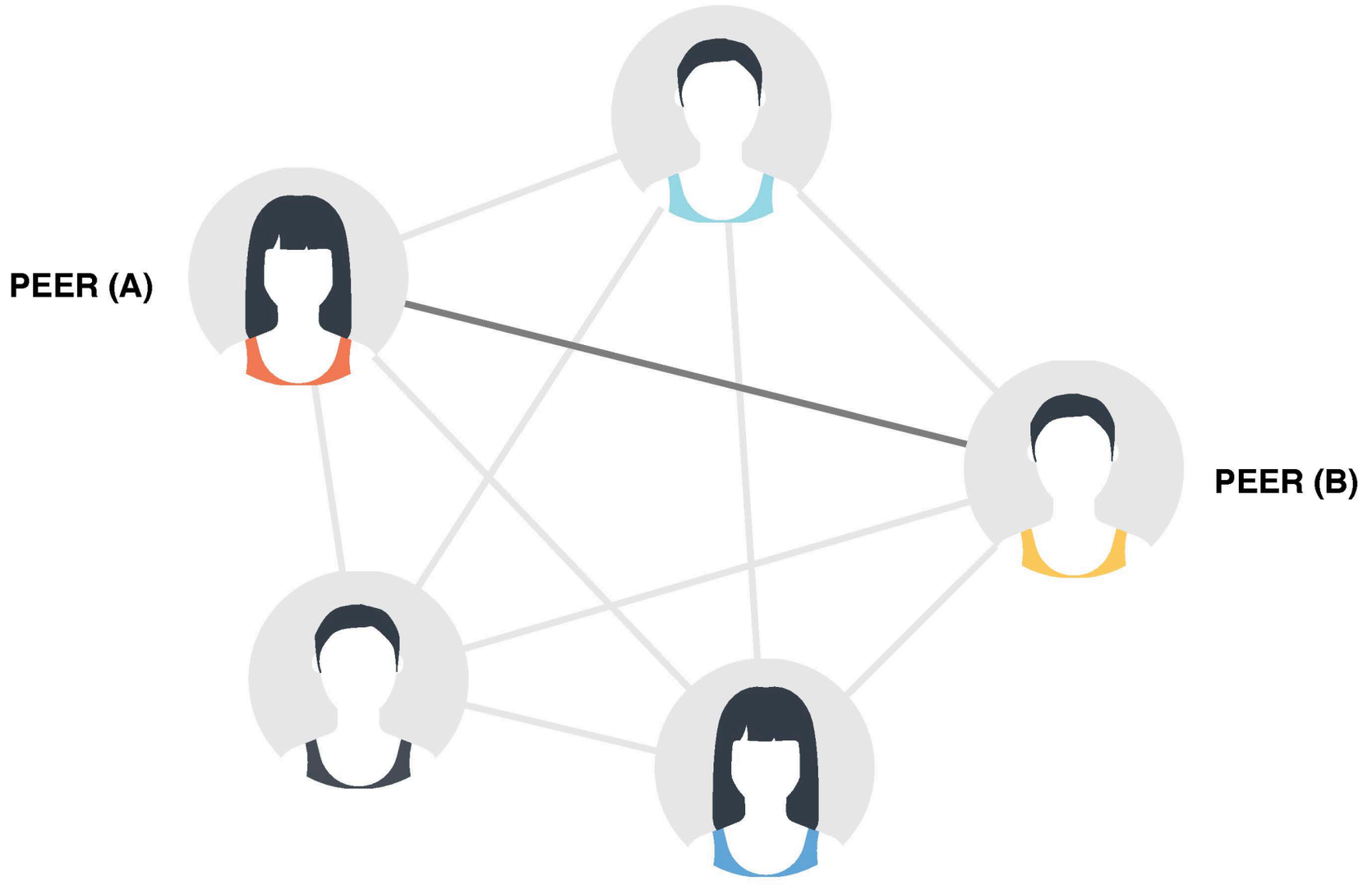
DECENTRALIZED SYSTEMS



Decentralized networks are also known as peer-to-peer, or P2P.
The network is a connection of nodes known as peers.

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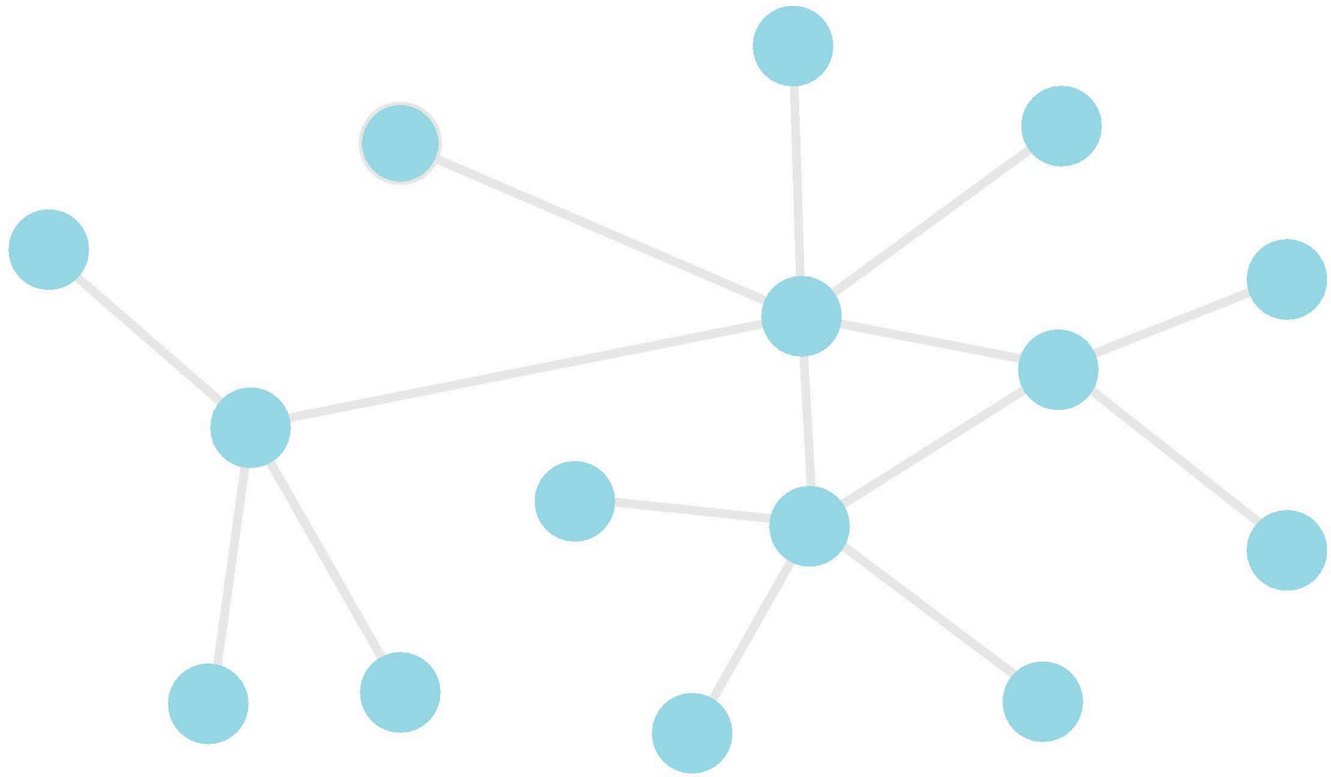
DECENTRALIZED SYSTEMS



Information and control are distributed in a peer-to-peer network.

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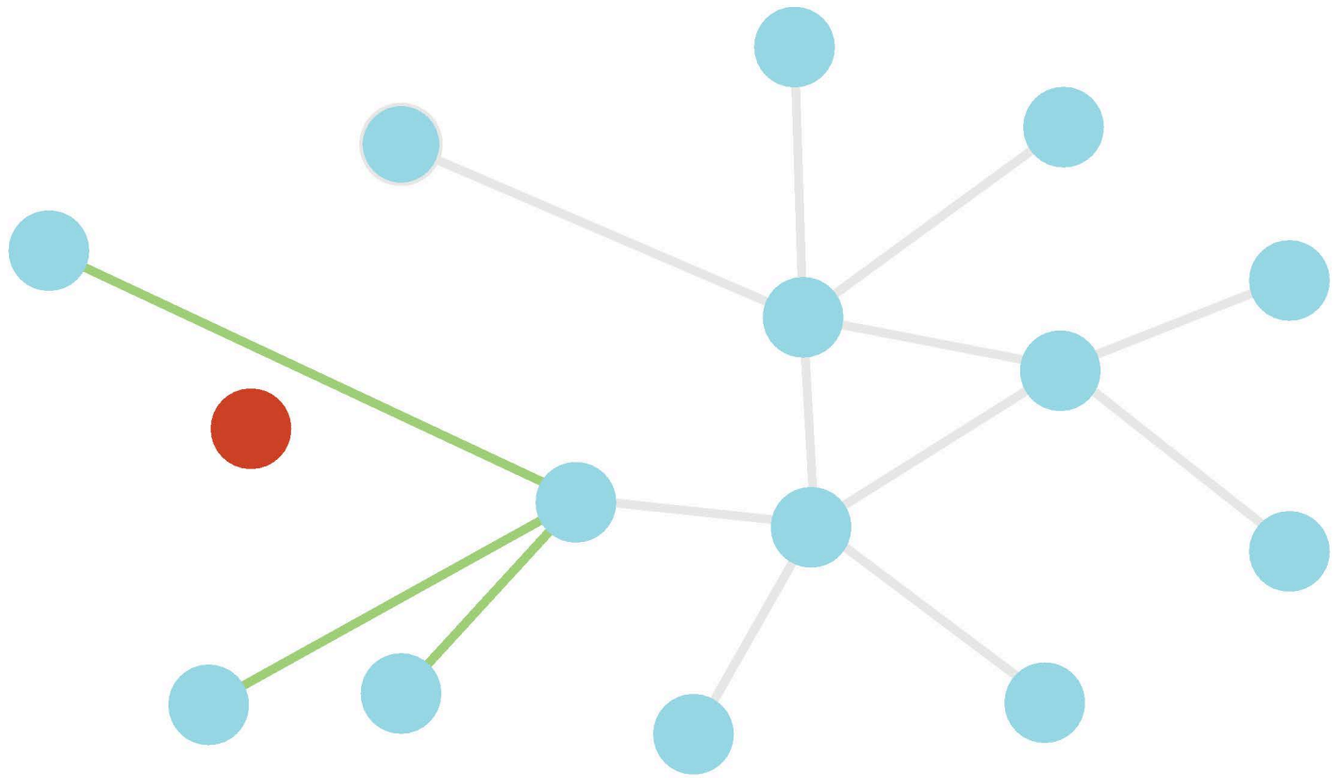
DECENTRALIZED SYSTEMS



If a node fails, the network can easily repair itself.

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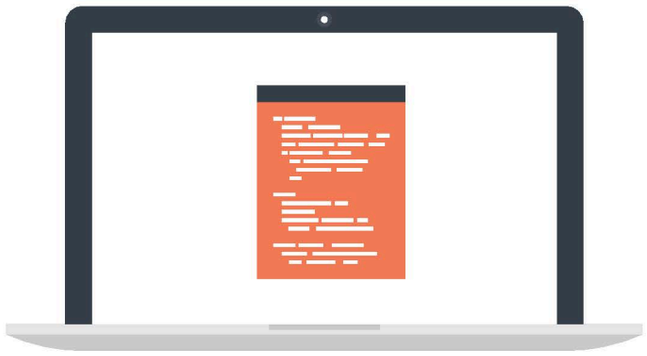
CENTRALIZED VS DECENTRALIZED



If you save a file on your computer, and the hard drive fails, you lose all the data on it - forever.

Cloud services help store multiple copies of your file, keeping it safe in the case of a hard drive failure.

Distribution of data and control leads to more fault-tolerant systems.

Open Source code explanation slide to show human trust vs. code trust

Extra slides

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DECENTRALIZED SYSTEM

If you back up to a cloud service the file will be safe.

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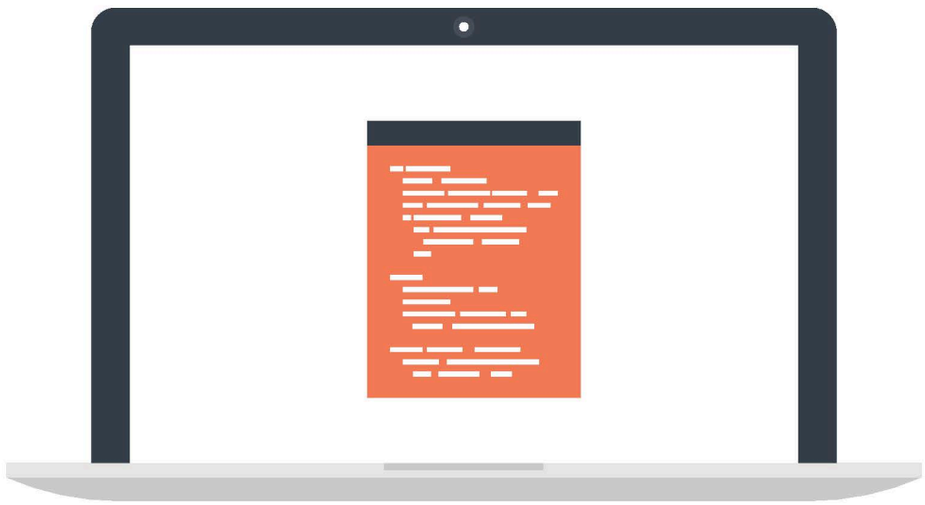
DECENTRALIZED SYSTEM



If your hard drive fails, you lose all the data on it - forever.