

BLOCKCHAIN 101

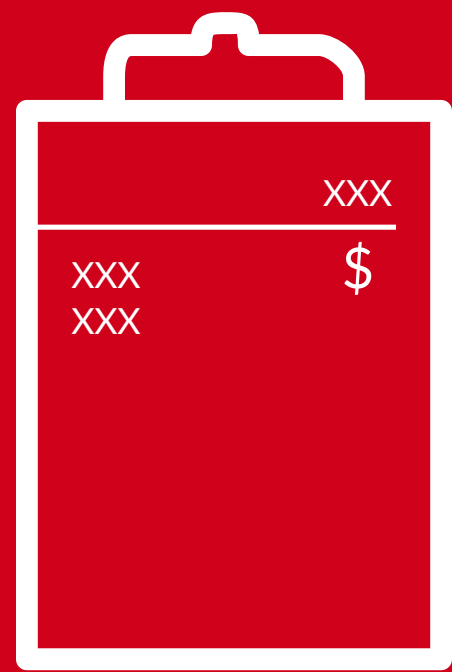
getting started with smart contracts

They're not the same thing!

WHAT IS BLOCKCHAIN?

shared ledger

allows people and companies to participate in a transaction, or series of transactions



WHAT IS A CRYPTOCURRENCY?

a digital form of money

can be used either inside of a Blockchain transaction or outside as a replacement of money



3 MAIN BLOCKCHAIN STANDARDS:

01

HyperLedger public or private

- allows organizations to create their own forms of cryptocurrency
- develop Smart Contracts in virtually any language

02

Ethereum public or private

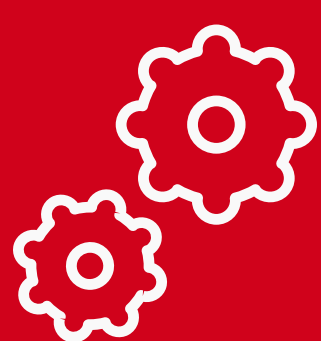
- private Ethereum allows banks to develop Blockchain networks and apps
- public Ethereum allows enterprises to be Decentralized Autonomous Companies (DAC) and create Distributed Applications

03

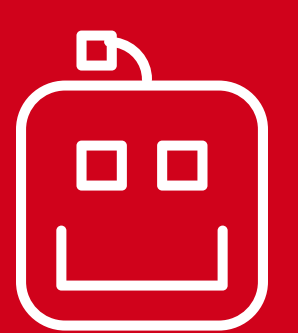
R3/Corda private

- popular within the financial services industry
- offers more control since it operates on a closed platform

SMART CONTRACTS: SECURITY BASICS



Smart Contracts allow involved parties to develop, monitor, inspect, and enforce a contract and its terms.



Agents or bots are used to monitor these real-time, elastic contracts.



Blockchain-based Smart Contracts can be particularly useful for processes that require multiple parties or steps.



HOLD OFF ON BLOCKCHAIN
for digital signatures & digital identity

PKI-based approaches are safer for digital signatures. Current approaches are more trustworthy for digital identity, too.