

Variety of Blockchains

Other than Bitcoin Blockchain

The Landscape of Cryptocurrencies

THE WORLD OF CRYPTOCURRENCIES



There are over 600 different cryptocurrencies and cryptoassets traded across 1,600+ different markets



Bitcoin is king with a 84% market cap share and priced 2X times its nearest competitor



The 80-20 rule applies to cryptocurrencies. Less than 3% trade above 1 USD and less than 10% have a market capitalization of 1 million USD or higher

Source: coinmarketcap.com)

DIFFERENTIATION BETWEEN CURRENCIES



SHA256
vs Script
algorithm



POW vs POS
vs POS/POW



Blockchain vs
alt-chain



Blockchain
Application



Transaction
Speed and Cost

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CRYPTOCURRENCY CRITICAL SUCCESS FACTORS



Network Effect



Strong Ecosystem



Purpose

Blockchain 3Ps

Platforms, Programs and Protocols of Blockchains

Crypto-Tech Platforms, Programs and Protocols

Non-Bitcoin Blockchain Bitcoin Currency Blockstream Truthcoin	Non-Bitcoin Blockchain Non-Bitcoin Currency Ethereum: <i>Ether</i> BitShares: <i>BTS</i> Truthcoin: <i>CashCoin</i> Litecoin: <i>LTC</i> PayCoin: <i>XPY</i>	Non-Blockchain Consensus Ripple: <i>XRP</i> Stellar: <i>STR</i> NXT: <i>NXT</i> Hyperledger Tendermint Pebble Open Transactions
Bitcoin Blockchain Bitcoin Currency Bitcoin: <i>BTC</i>	Bitcoin Blockchain Non-Bitcoin Currency Factom: <i>Factoids</i> Mastercoin: <i>MSC</i> Counterparty: <i>XCP</i> Namecoin: <i>NMC</i>	Blockchain Neutral Smart Services Eris Industries PeerNova Codium SmartContract SAE Tezos Tillit

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Blockchain Communities

Market Picture

Blockchain communities



Ming Chan
Executive Director

Vitalik Buterin
Creator, founder

Jeffrey Wilcke
Cofounder



Casey Kuhlman
CEO

Preston Byrne
COO



Chris Larsen
CEO



Blythe Masters (Board Chair)
Digital Asset Holdings

Todd McDonald
R3 COO, cofounder

Craig Young
SWIFT CTO

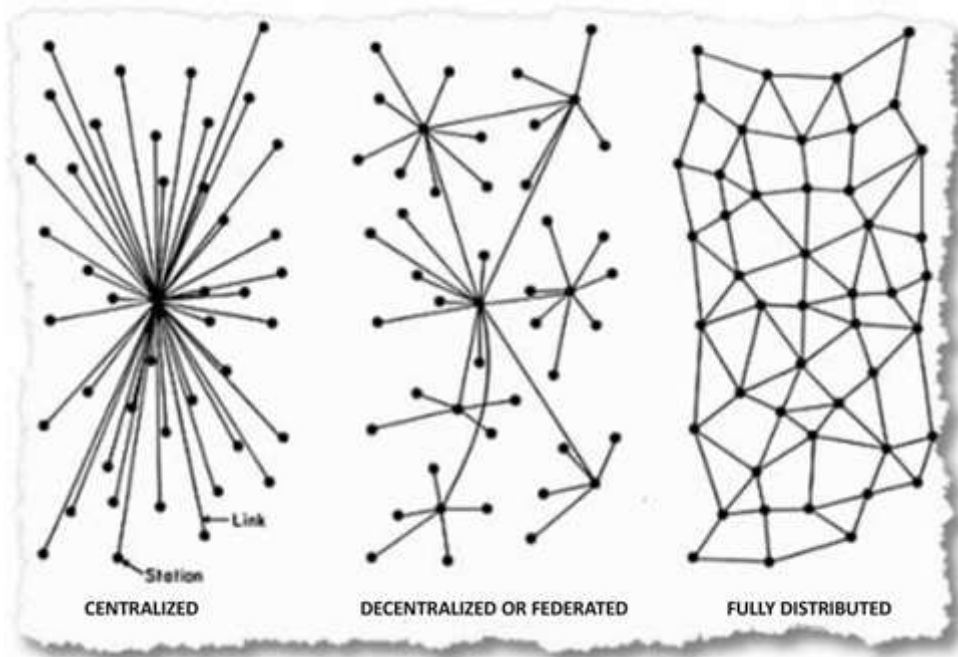


Gennaro Cuomo
IBM Fellow

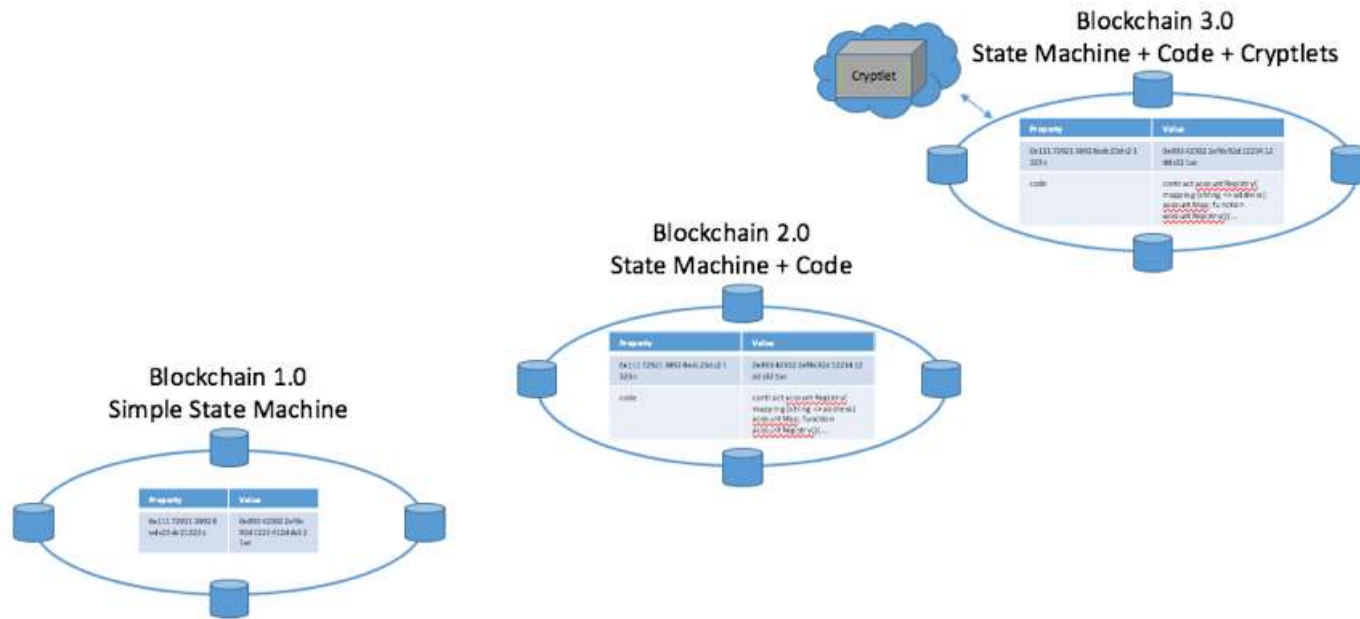
Chris Ferris (TSC Chair)
IBM Distinguished Engineer

From Centralized to Distributed

WHY A FULLY DISTRIBUTED NETWORK IS MORE SECURE AND MORE RELIABLE



Evolution of Blockchain



Evolution of Blockchain

Blockchain 1.0

- Simple Ledgers that record transactions

Blockchain 1.0

Evolution of Blockchain

Blockchain 1.0

Blockchain 2.0

Blockchain 2.0

- Simple Ledgers that record transactions
- +
- Smart Contracts Logic Tier

Evolution of Blockchain

Blockchain 1.0









Blockchain 2.0

Blockchain 3.0

Blockchain 3.0

- Simple Ledgers that record transactions
- Smart Contracts Logic Tier
- +
- Cloud Servicing Multilayer Middleware

Ripple

SEVEN DIFFERENCES BETWEEN BITCOIN AND RIPPLE	
 bitcoin	 ripple
 COIN USE	
Digital Cash Merchant Payments Currency Trading	Cross Currency Payments Currency Trading
 OWNERSHIP	
No one owns Bitcoin	Ripple is owned and currently operated by Ripple
 DECENTRALIZED	
Bitcoin payments can be made without a trusted third party	Payment transfers using Ripple require trusted third party or gateways
 NETWORK	
Bitcoin blockchain is a distributed database over a permissionless network of nodes running over the Internet	Ripple's Consensus Ledger is a distributed database running on a permissioned network of trusted validators and nodes
 MINING	
New bitcoins are generated through block rewards in mining 15.3 million of a total possible 21 million bitcoins have been mined	Ripples are pre-mined and burned as transaction fees 100 billion ripples have been premined
 TRADING	
Bitcoins have a market cap of \$6- \$6.5 billion and are trading around \$400 in Q1 2016	Ripples have a market cap around \$200-\$250 million and are trading around \$ 0.007 in Q1 2016
 PHILOSOPHY	
A micropayments network that can operate without a trusted third party	A low fee and high speed cross currency payments network for/via trusted third parties

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Blockchain as a Service

