History of Blockchain
Major Milestones

Oct 31 2008
Blockchain is born
Satoshi Nakamoto white paper

Jan 3 2009
Genesis block
First collection of transactions "mined"

Jan 12 2009
Bitcoin
First Bitcoin transaction

Oct 12 2009
Open Source project forum registers #bitcoin-dev as a topic

Oct 31 2009
Bitcoin Market
Born to exchange coins

May 22 2010
Bitcoin buys pizza
10,000 BTC (worth $25 at that time)

Feb 9 2011
BTC reaches parity with US dollar
(1 BTC = $1 US)

June 8 2011
BTC reaches record high
(1 BTC = $31.91)

2012-2013
Ripple Formed
RXTP transaction protocol

2013
Blockchain is born
Not just for Bitcoin

March 28 2013
Bitcoin market cap surpasses $1B
10X growth in less than 3 years

Dec 2013
Ethereum Project
Vitalik Buterin white paper

2014
Rise of the private blockchain

R3 Consortium founded
40+ financial groups dedicated to exploring and implementing blockchain

Feb 2014
Lightning Network white paper
Proposes a scaling solution using blockchain technology

July 2014
The Ethereum Project crowd funded
investors start to recognize the potential

2015
Wall Street starts to embrace blockchain
NASDAQ commits to Blockchain trials

$30 Million financing round for Chain
Visa, Capital One and Fiserv involved

Hyperledger Project launched by Linux Foundation

2016
Wall Street investment in Blockchain tops $1 billion

2016-2017
Initial coin offerings (ICOs) raised more than $2 billion
Now more than 250 blockchain ICOs

March 2017
Enterprise Ethereum Alliance (EEA) formed

June 2017
The DAO hack

July 2017
Hyperledger announces production-ready blockchain, Fabric 1.0
Fabricators include IBM and Digital Asset

Aug 2017
CBOE applies for Bitcoin futures contracts

Coinbase becomes first pure-play blockchain "unicorn"

Dec 2017
Bitcoin futures commence trading and the total value of all cryptocurrencies surpasses $600 billion

Lightening Network goes live with first transactions

2018
Spike in speculation leads to a "Bitcoin bubble" which bursts early in 2018

June 2019
Facebook announces it is developing its own cryptocurrency, called Libra

December 2019
Goldman Sachs names Bitcoin 2019's top-performing asset

2020
Stablecoins gain more prominence; They are designed to minimize volatility, being pegged to a stable asset/basket of assets

October 2020
Square, PayPal, and JPMorgan Chase all supporting cryptocurrency payments

October 2020 (cont.)
Square announces $50 million and MicroStrategy $ 425 million investment in cryptocurrency

SEC says it is open to idea of tokenized ETF

2008 ▶ ▶ ▶ ▶ ▶ ▶ ▶ ▶ ▶ ▶ ▶ ▶ ▶ 2020

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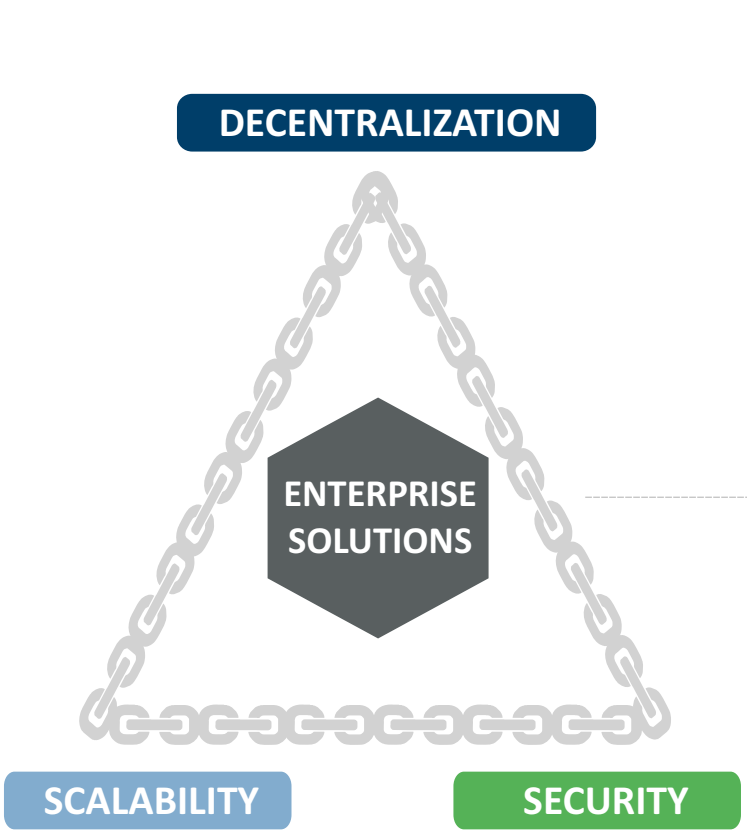
The Rapid Innovation of Blockchain

For enterprise use-cases, a permissioned and private network is usually the best fit.



	PERMISSIONLESS	PERMISSIONED
PUBLIC	**LOW SCALABILITY** Anyone can JOIN, READ, WRITE and COMMENT ANONYMOUS and HIGHLY SECURE	**MEDIUM SCALABILITY** Anyone can JOIN and READ Only Authorized Participants can WRITE and COMMENT
PRIVATE	**NO SCALABILITY** NOT POSSIBLE and FUTILE	**HIGH SCALABILITY** Only Authorized Participants can JOIN and READ Only Network Operator and Authorised Nodes can WRITE and COMMENT

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Blockchain Industry Disruption is Just Starting

Although still in its nascent stage, blockchain is a foundational technology with the potential to disrupt many different industries over the next five to ten years.

Top Industries to Benefit from Transparent Distributed Ledger Technology

BANKING / PAYMENTS
Access to financial services for billions of people around the world through democratized banking.

CYBER SECURITY
Advanced encryption techniques allow for data that is less prone to attacks or unauthorized changes.

SUPPLY CHAIN
Easier logistics management with better tracking of items thru production to shipping and delivery.

INTERNET OF THINGS
A decentralized network will provide improved device communication in order to update, manage and monitor.

INSURANCE
Smart contracts integrate real-world data requiring less auditing and lower premium costs.

CHARITY
Donations can be tracked so that donors are assured that they are received by intended recipients.

FOOD SAFETY
Food products can quicky be traced to their source to better contain disease or contamination.

VOTING
Fair and accurate results can be assured in elections addressing voter fraud and ensure proper counting.

HEALTHCARE
Secure platform access will provide, store and share medical records for better diagnosis and/or research.

ENERGY
Energy sharing enabled through a decentralized peer-to-peer network of transactions.

MEDIA
Protected ownership rights and royalties. Artist can be paid directly for content without publishers.

RETAIL
Direct purchases between buyers and sellers through smart contracts and secure payments.

REAL ESTATE
Enhanced transaction speeds, along with accuracy of tracking /verifying ownership and transferring assets.

GOVERNMENT
Transparency increased to reduce inefficiencies and corruption, plus better management of public benefits.

HUMAN RESOURCES
Greater record accuracy for efficient background checks, employment history and academic credentials.

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