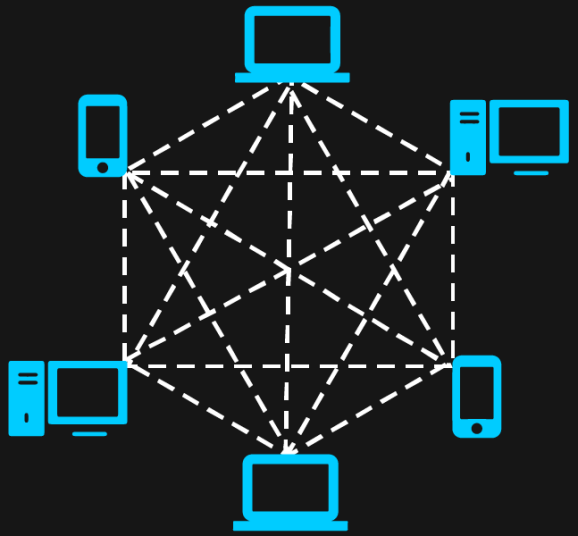
Blockchain Digital Transformation

101 Blockchains

Public vs Private Blockchain Network



Public Blockchain: Permissionless

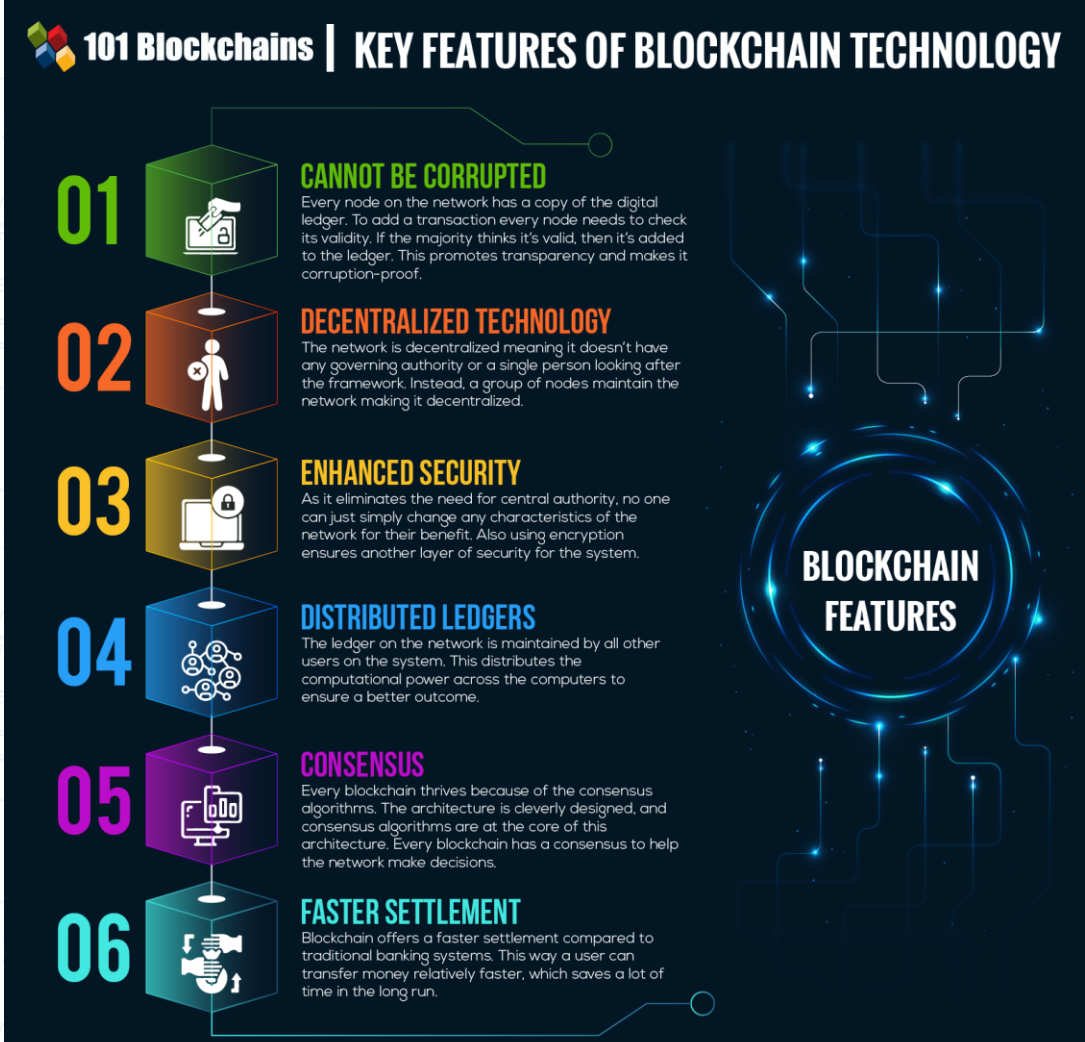
An open network system where all the devices can freely access without any kind of permission. The ledger is shared and transparent.

Private Blockchain: Permissioned

A user has to be permitted by the blockchain authority before he/she could access the network. The user might join only if he/she gets an invitation.

Key Features

- Trustless
- Decentralized
- Distributed
- Consensus Based
- Faster
- Secured



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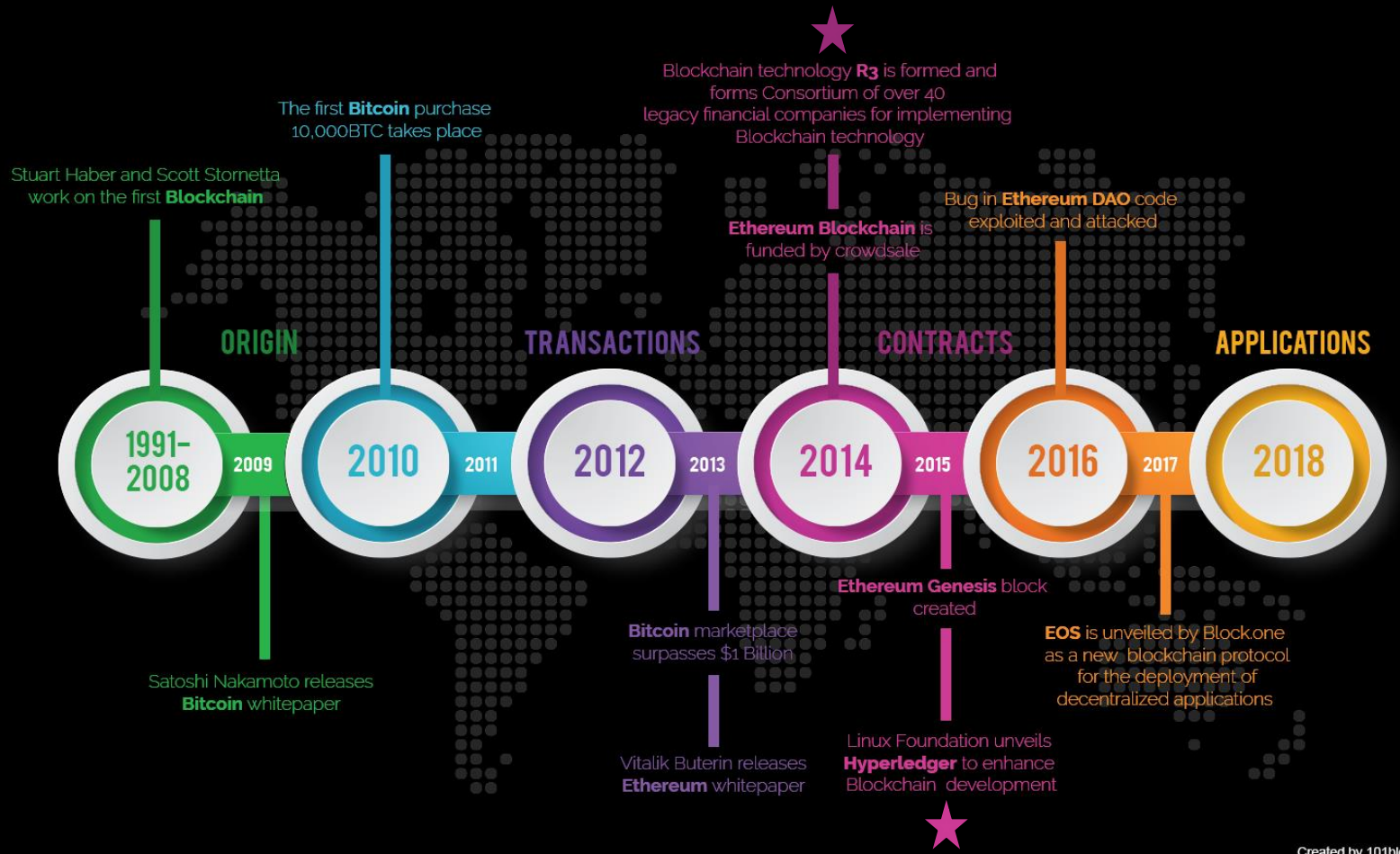
THE HISTORY OF BLOCKCHAIN TECHNOLOGY



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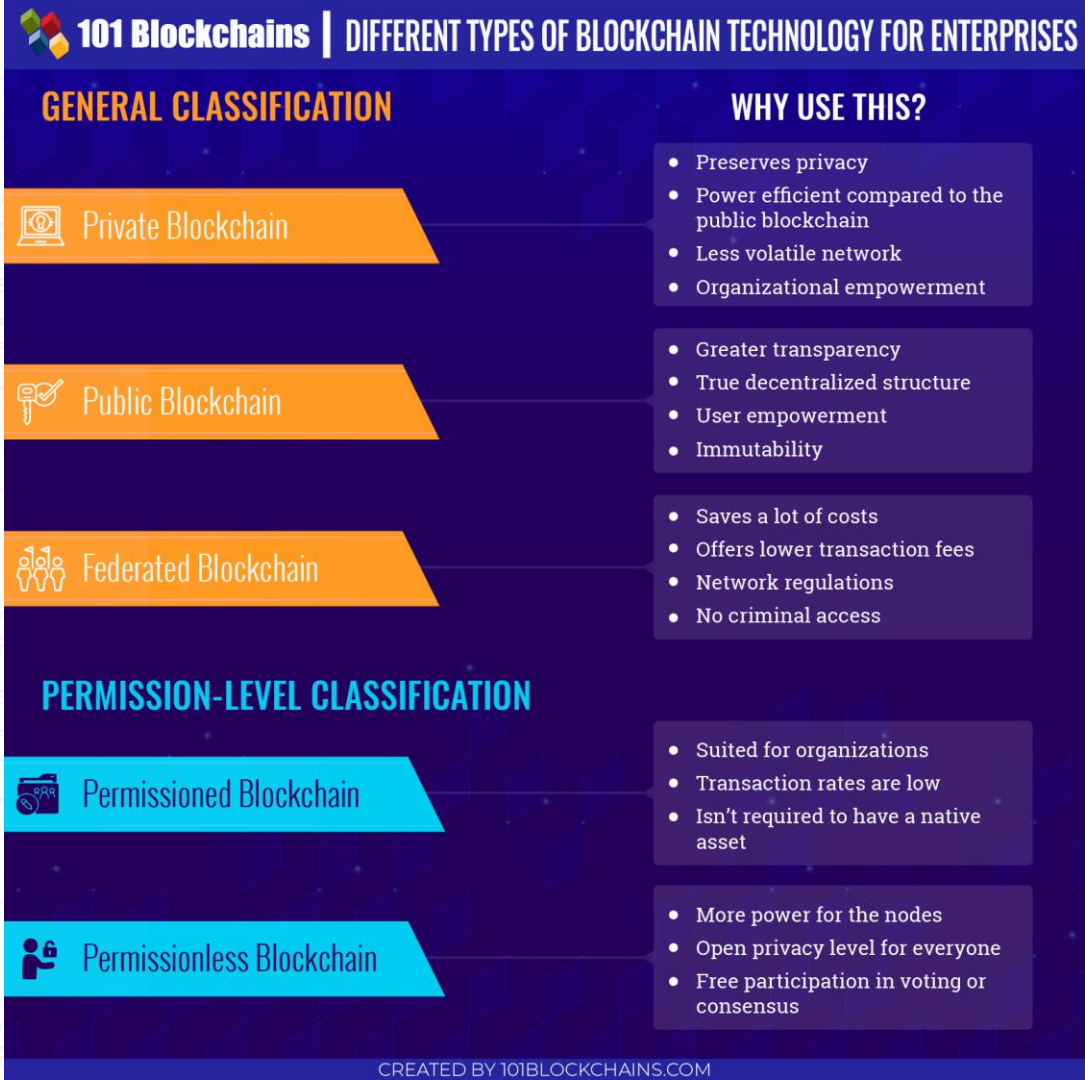
Types of Blockchains

Network Type:

- Public
- Private
- **Federated**

Permission Level:

- **Permissioned**
- Permissionless



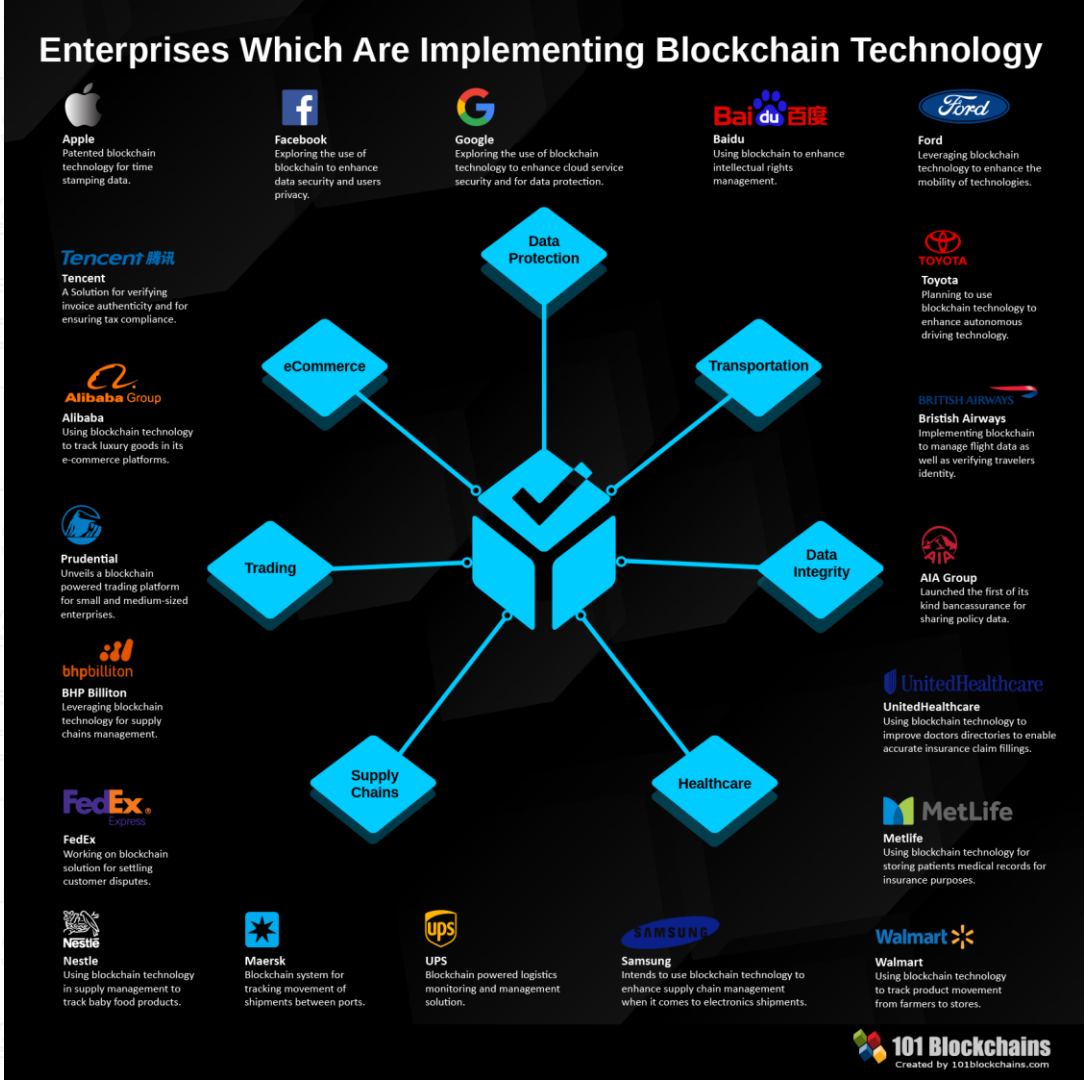
Use Cases Value > Implementation Challenges

- Trade Finance
- Food Safety
- Supply Chain
- Retail
- Government Services
- Intellectual Property
- Healthcare
- Insurance
- Oil & Gas
- Real Estate
- Travel

Non-financial Enterprises

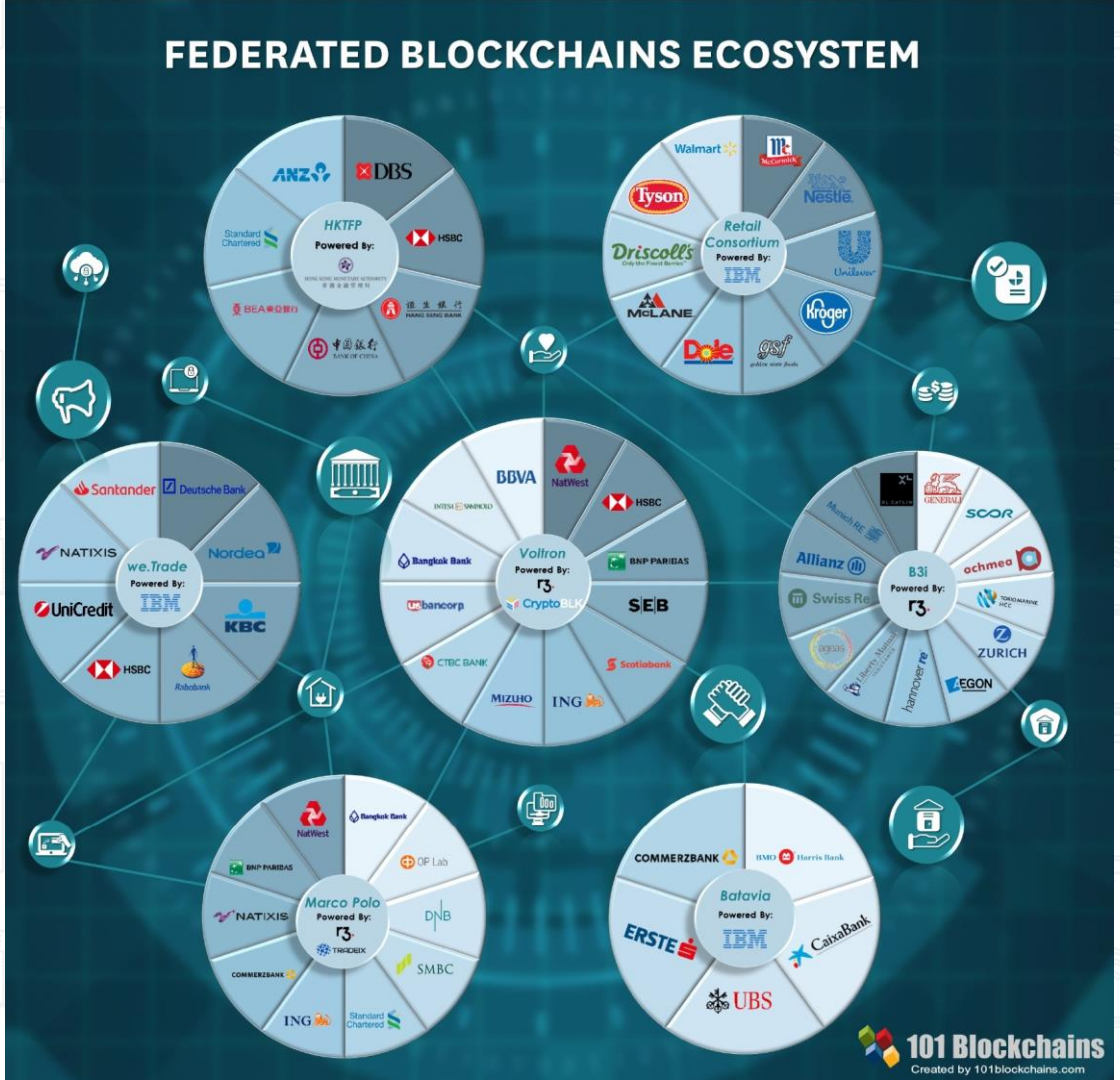
- Ford
- Toyota
- Walmart
- Nestle
- Metlife
- Prudential
- Maersk
- FedEx
- Facebook

And more...



Federated Networks

- Finance
  - we.Trade (IBM)
  - Volton (Corda)
  - Marco Polo (Corda)
  - Batavia (IBM)
- Insurance
  - B3i (Corda)
- Retail
  - Retail Consortium(IBM)



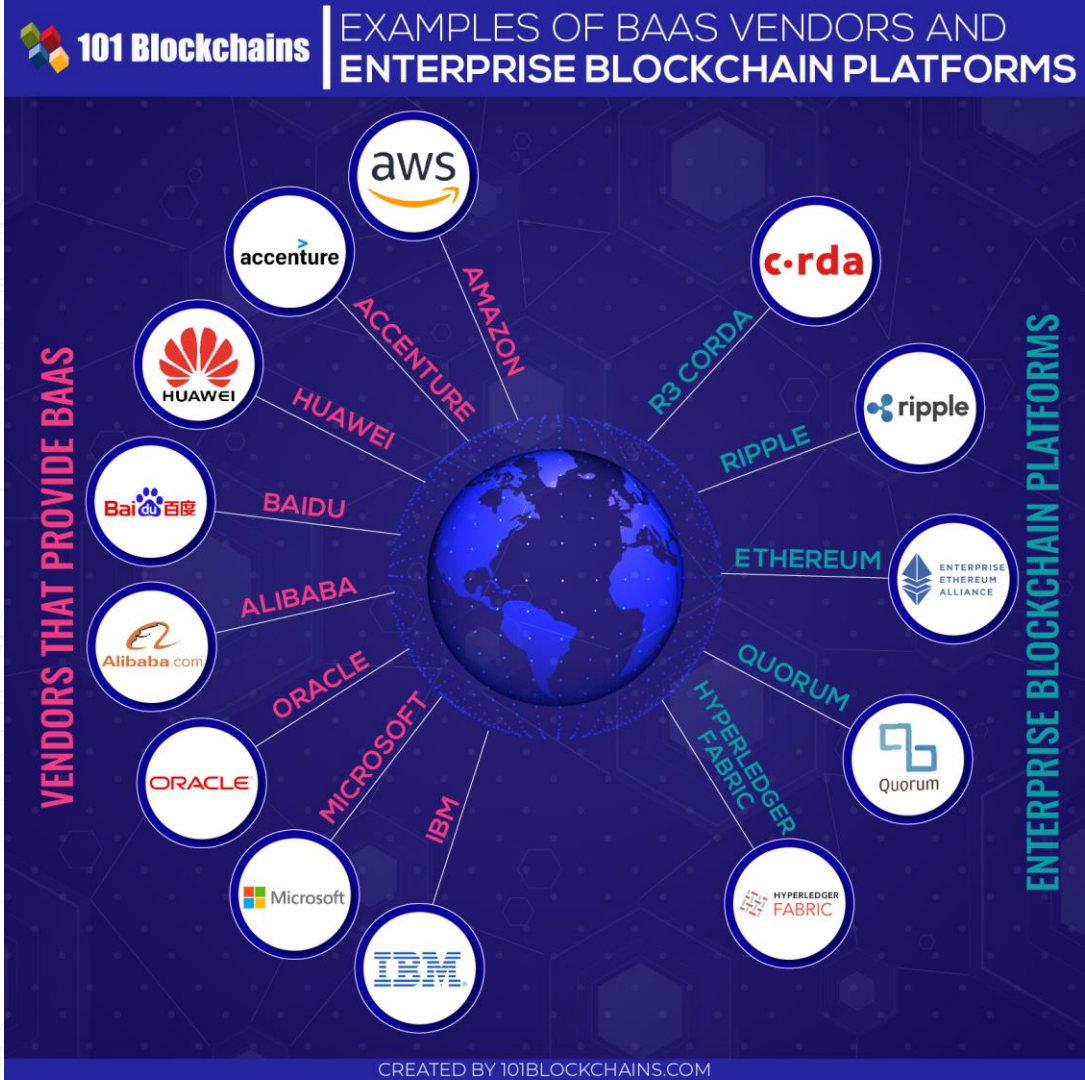
Enterprise Blockchains

BaaS Vendors:

- IBM
- ORACLE
- AWS
- ALIBABA
- ACCENTURE

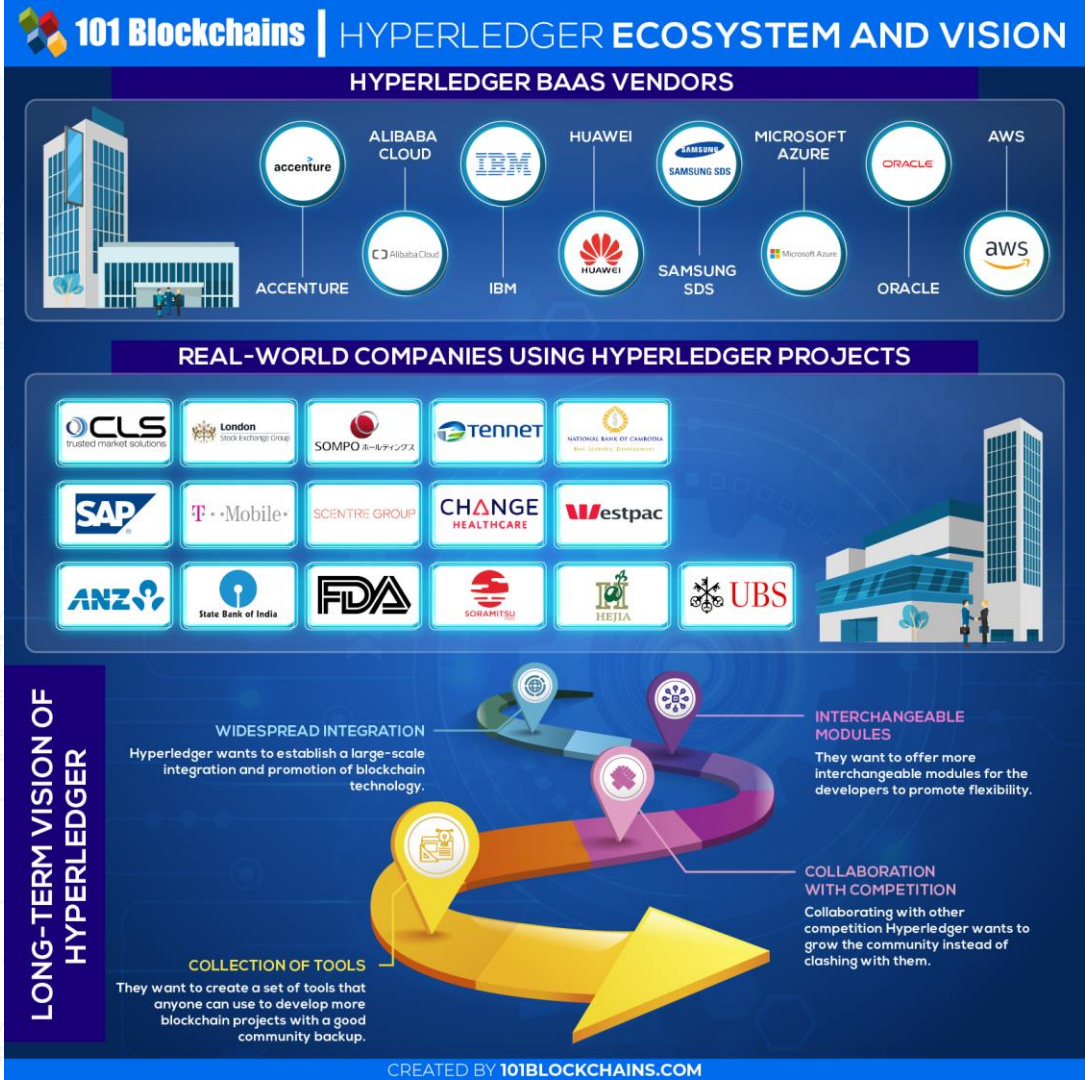
Enterprise Platforms:

- Fabric
- Corda
- EEA
- Quorum
- Ripple



Hyperledger Ecosystem

- FDA
- London Stock Exchange
- SAP
- Change Healthcare
- ANZ
- UBS
- T-Mobile
- CLS



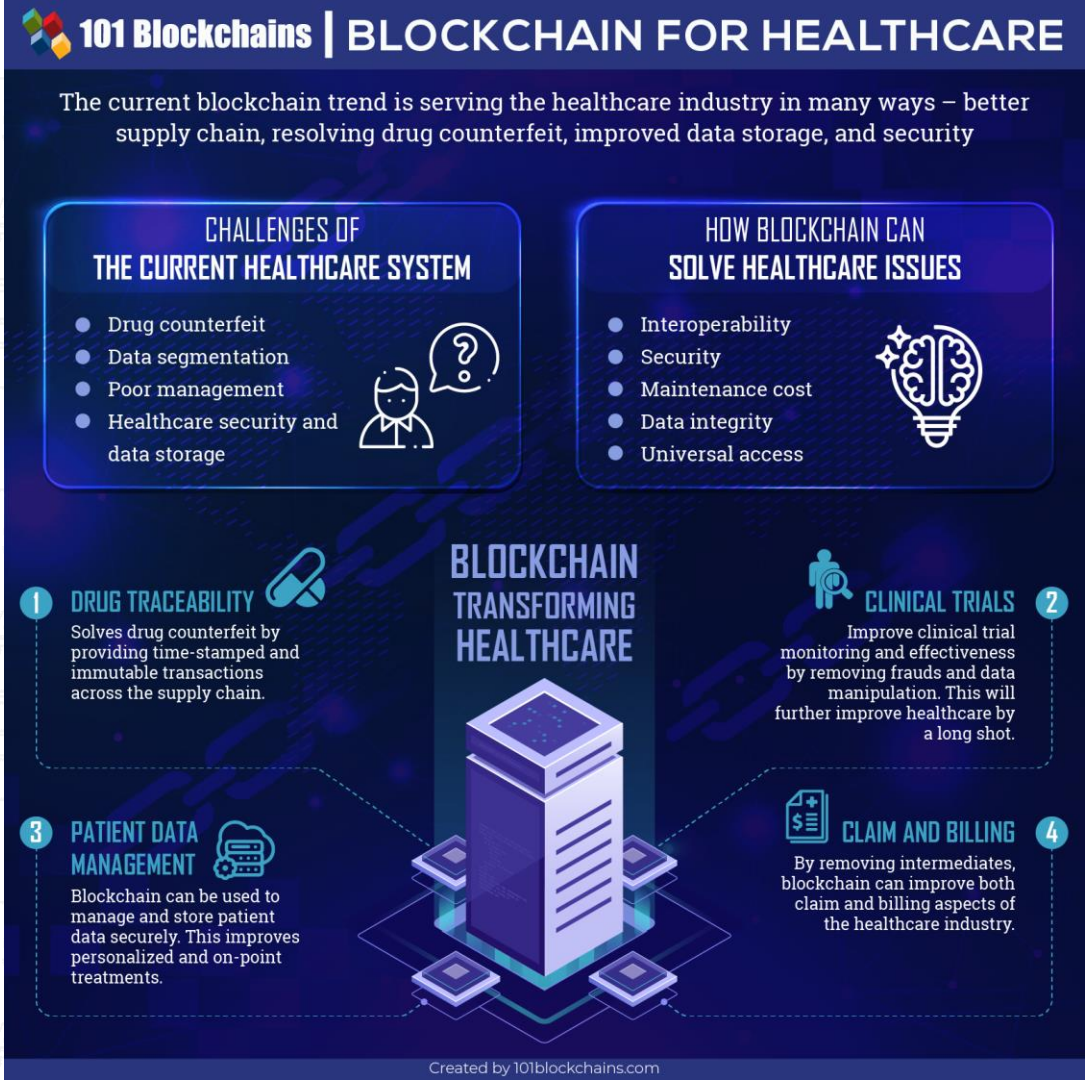
Healthcare

Challenges

- Drug Counterfeit
- Data Management

Use Cases

- Drug Traceability
- Clinical Trials
- Data Management
- Claim & Billing

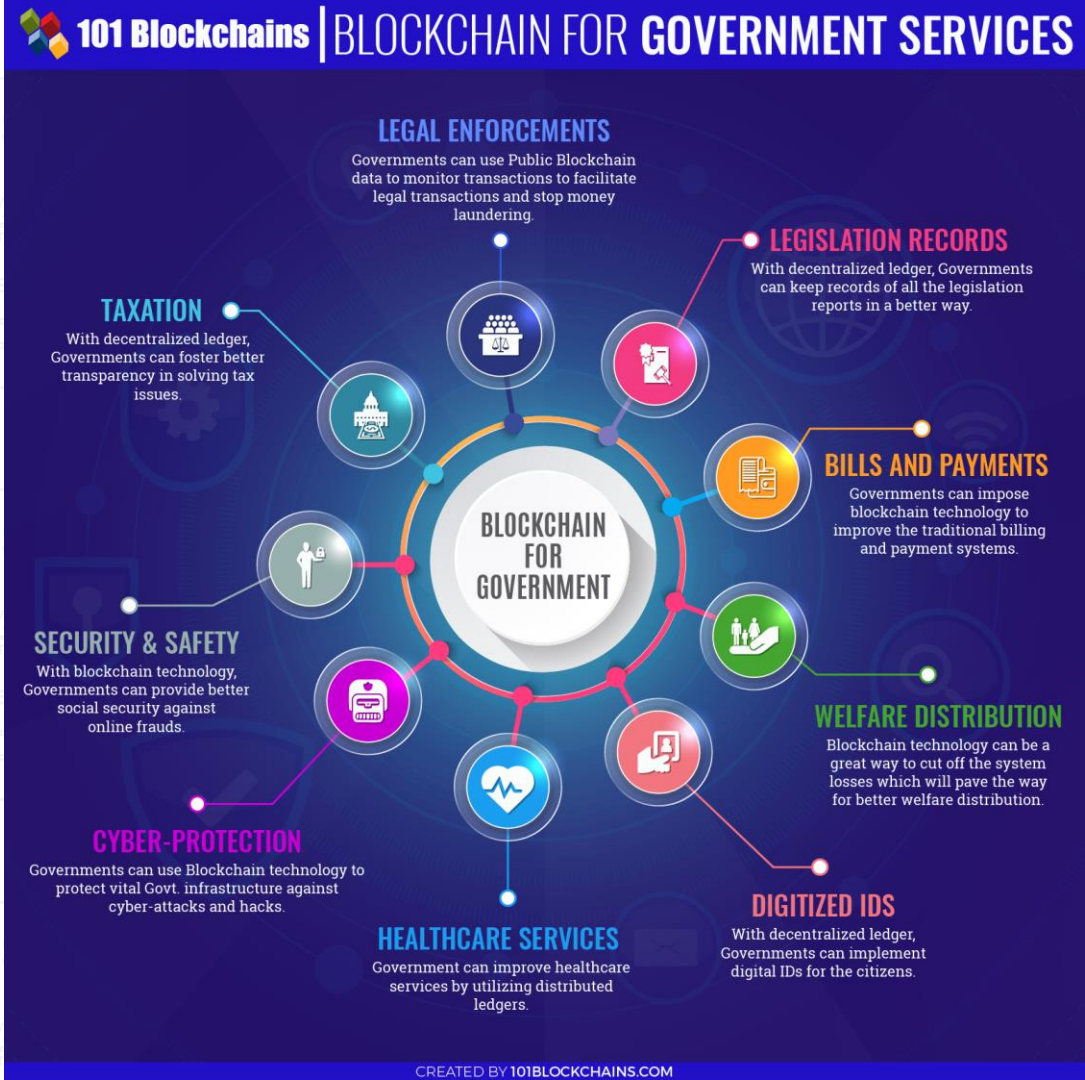


Government Services

Already adopting:

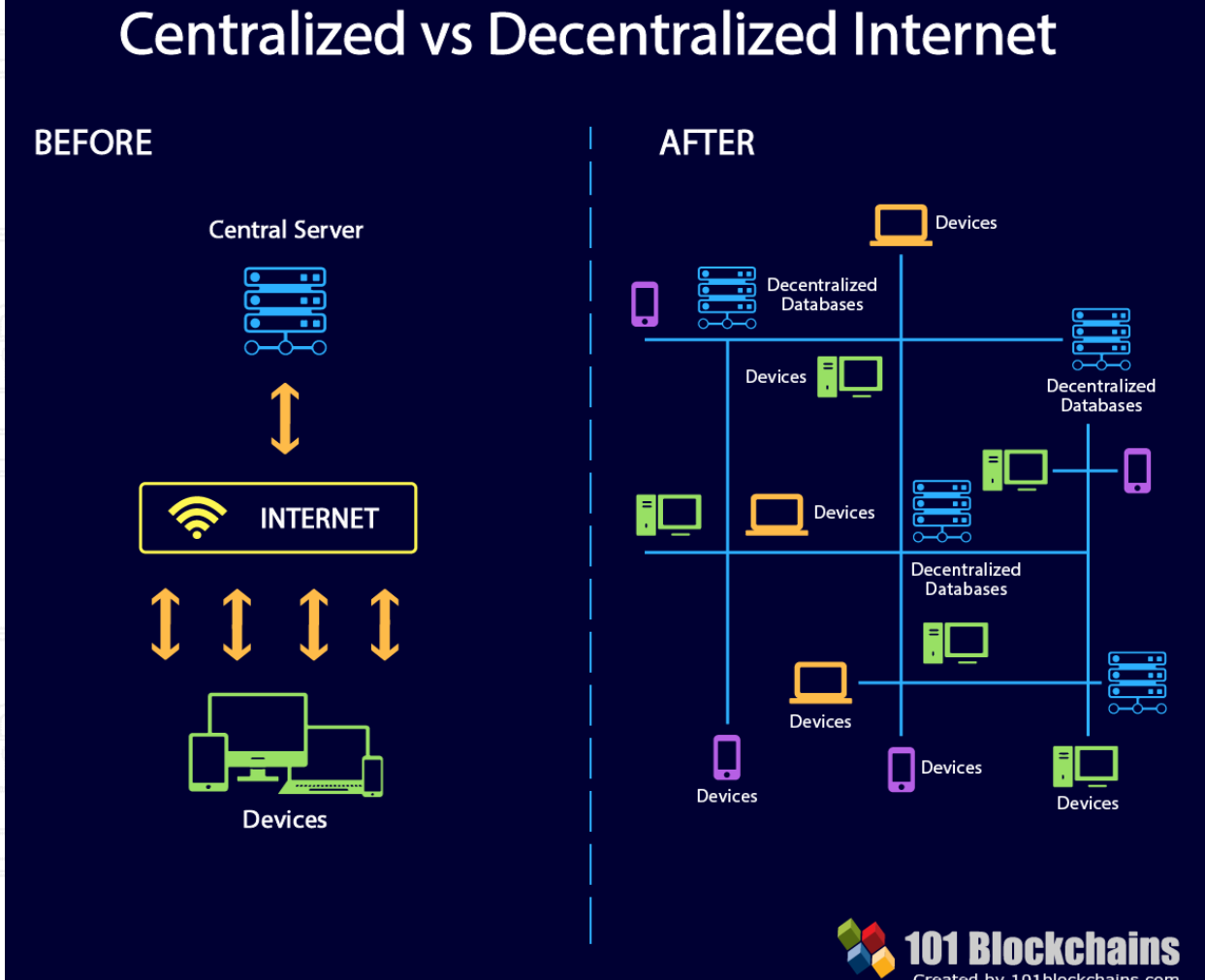
- USA
- UK
- Switzerland
- Estonia
- Dubai
- India
- Chile
- Singapore

And more...



Remember

- Decentralized Internet
- No Central Authority
- Data Flow
- New Business Models

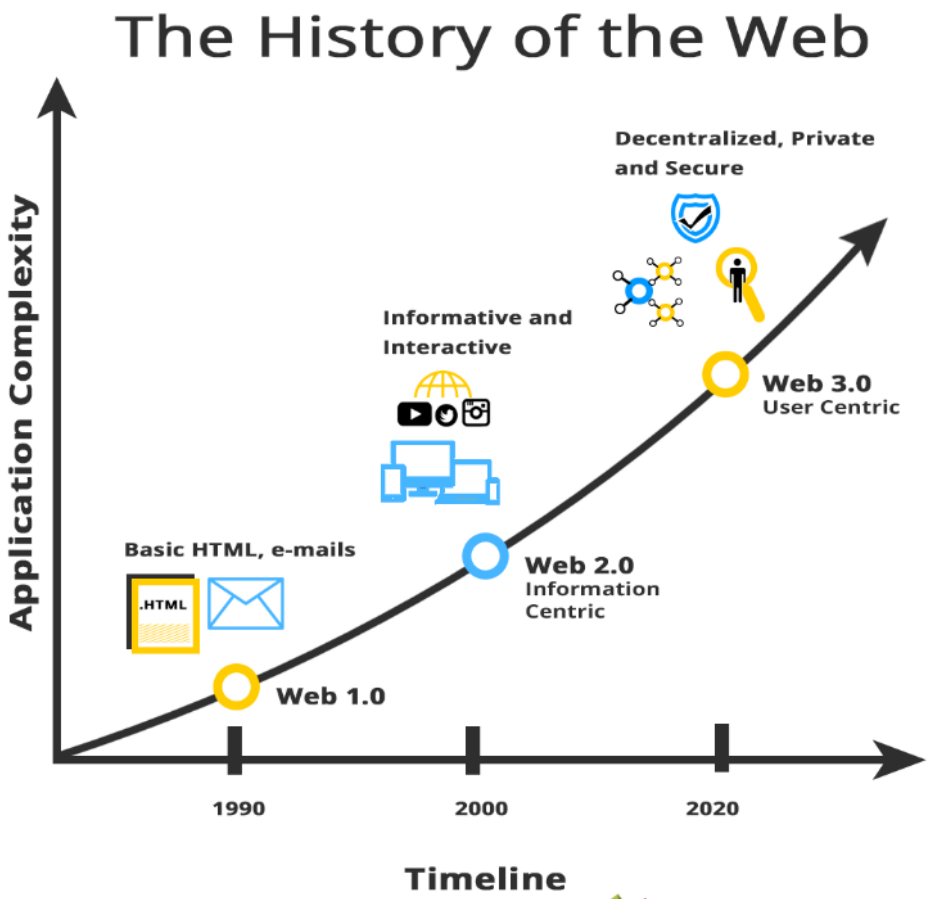


Web 3.0 –

Make People Valuable Again

The new internet is:

- User-centric
- More secured
- More private
- Better connected



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Top Blockchain Adoption Challenges

Human Factors:

- Regulations
- Criminal Connection
- Public Perception
- Skill Set
- Technological Design

Technological Factors:

- Scalability
- Performance
- Energy Consumption
- Privacy
- Security

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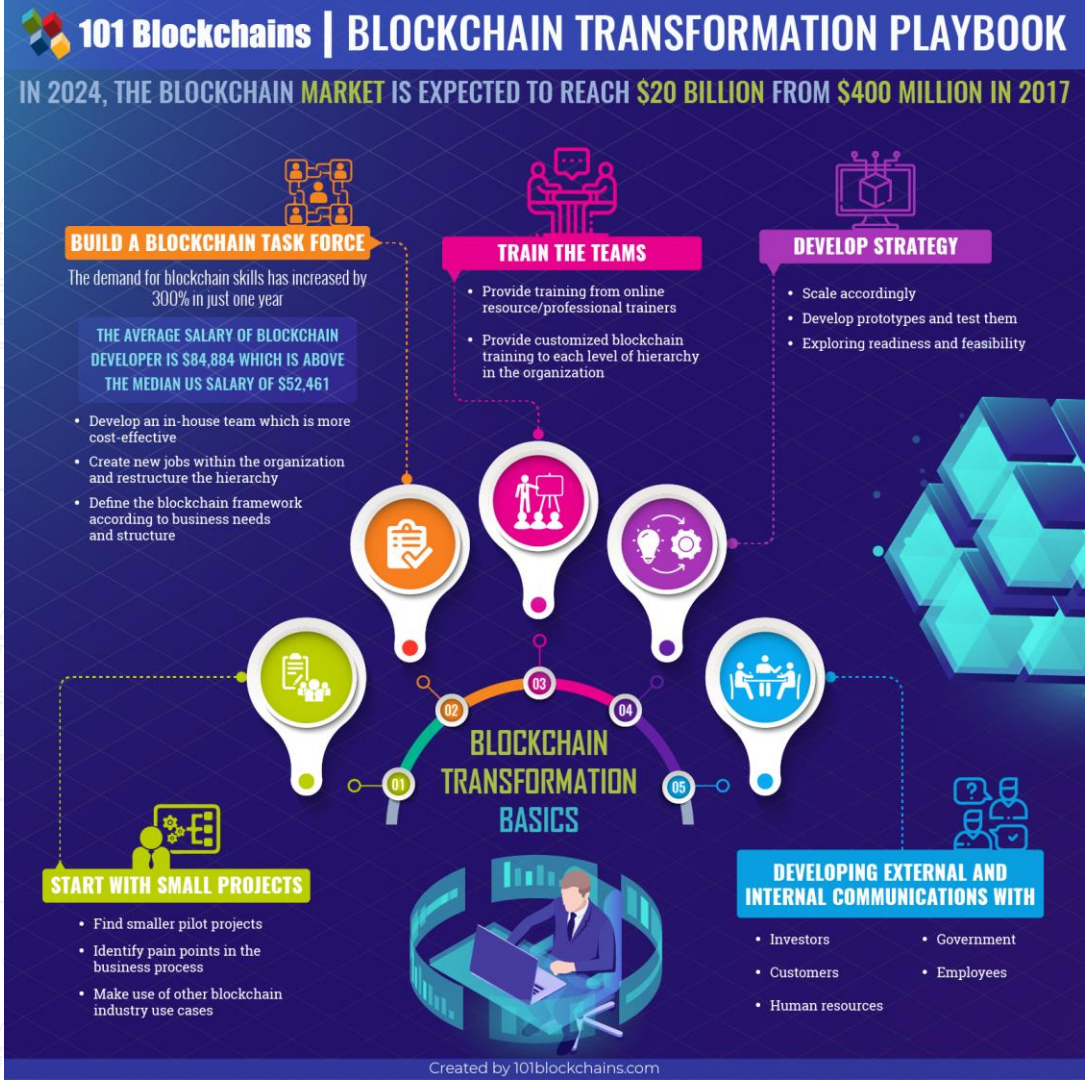
Transformation Playbook

1. Start Small
2. Build A Task Force
3. Train & Educate
4. Develop Strategy
5. Communications



Are you a DOER? Join Our Community

1. Extend Your Knowledge
2. Partner With Us
3. Work With Us