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# **Technology Transforms Businesses**

Business models prescribe how a company organizes, creates, and delivers value to its customers.

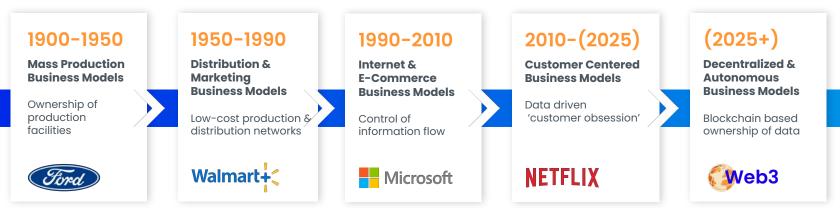


Figure 1. Business Model Evolution

Traditional business models are process-heavy, manual, depend on third parties, and lack trust and transparency.



# 3 Ways Businesses Can Incorporate Blockchain

Replace internal, laborious processes with enterprise blockchain

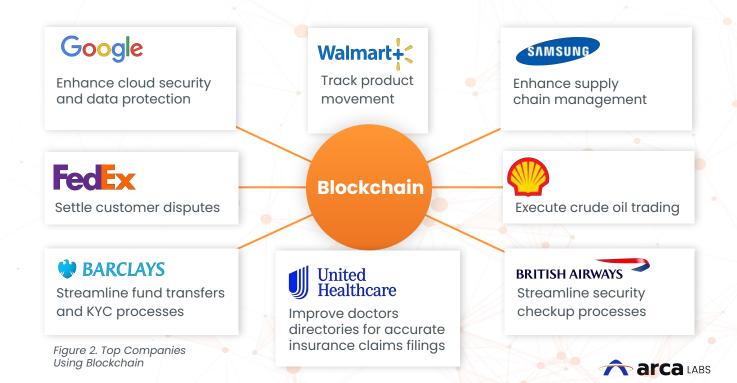
Digitize existing or new assets on-chain with **tokenization** 

o3. Integrate third-party blockchain tools



# 01. Implement Enterprise Blockchain

Enterprise blockchains are customized, company-specific blockchains designed to optimize and streamline business operations at scale to improve a company's bottom line.



#### **Different Types of Blockchains**

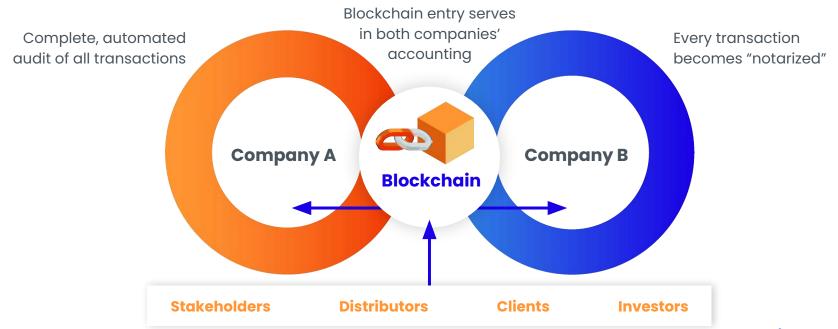
Implementing a private or permissioned distributed ledger network can help businesses achieve coherent, effective, and secure ways of conducting business.

#### **Private Blockchain** Intranet Intranet is shared content Private Blockchain is managed by a central operator that shares data with participants it accessed by members within a single organization. chooses to share the data with. **Extranet Permissioned Blockchain** Permissioned Blockchain is managed by a Extranet is shared content accessed by groups through cross-enterprise consortium that governs access to boundaries permissioned participants. **Public Blockchain** Internet Internet is global communication Public Blockchain is managed by consensus accessed through the Web. of a fully anonymous set of participants.

Figure 3. The Enterprise Blockchain Spectrum



### Blockchains Serve as a Single Source of Truth





#### **Potential Benefits**

#### **Greater Automation**

Programmable smart contracts that **self-execute** based on predetermined conditions.

#### **Irreversible Records**

Blockchain data can be tamper-proof, eliminating acts of fraud or counterfeiting.

#### **Data Visibility**

Information is **shared among permissioned parties** and includes a trail of all transactions.





#### **Key Considerations**

#### **Governance**



While automated and self-executing, smart contracts require development and maintenance.

Organize a group focused on **structural oversight**.

#### Incentive



Decentralized and distributed ecosystems are based on a shared interest.

Establish a plan to motivate preferred behaviors from employees, customers, and partners.

#### **Strategy**



Current business and regulatory policies may hinder a blockchain transformation.

Select an **appropriate scope** that can produce early success.



### 02. Tokenize a Product

Tokenization is the process of **dividing assets into tokens** that transact on a blockchain.

Asset ownership rights are fractionalized and converted into digital assets.

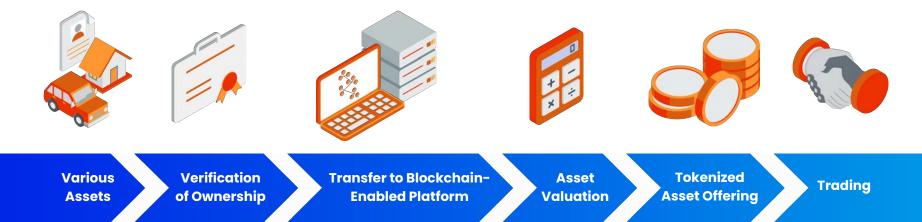
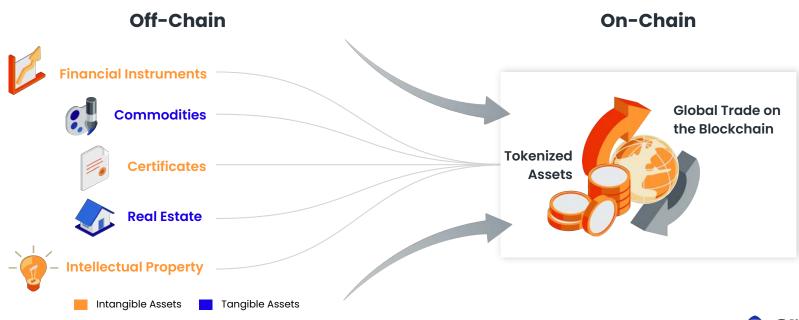


Figure 4. Asset Tokenization Process



### **Types of Assets That Can Be Tokenized**





#### **Potential Benefits**

#### **Accessibility**

Removes traditional barriers to entry—such as lengthy lock-up periods—for wider investor base participation.



Traditionally illiquid assets can be fractionalized and represented on-chain, opening up investment opportunities and marketplaces for transacting.

#### Liquidity



Once limited to cash, stocks, bonds, commodities, and real estate, assets in digital form can **incorporate all** features of value, such as governance and rewards.





#### **Key Considerations**

#### **Blockchain**



#### Regulation

The adoption of new regulatory standards is uncertain. **Involve legal experts** to help monitor the compliance landscape.



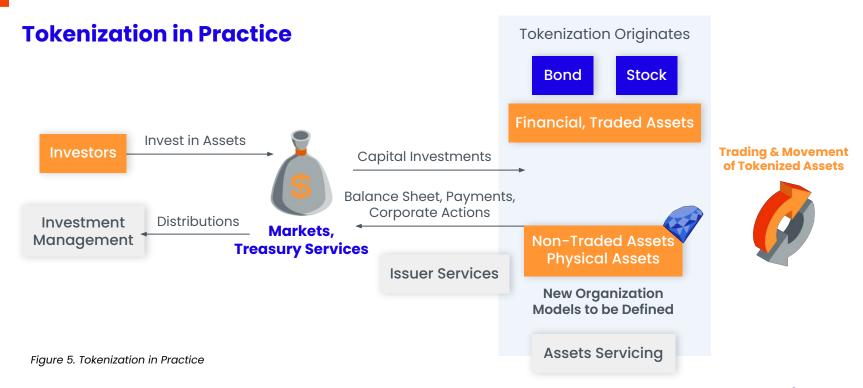
A token's structure is directly tied to the value it may hold in the future. **Sustainability**, **governance**, **incentive**, **and supply/demand** are some fundamental factors to assess.

#### Security

The management and movement of tokens occurs on-chain. Select service providers who are familiar with blockchain technology.









# **03** Utilize Blockchain Tools

Embrace external blockchain software solutions to transform your business.

Collaborate with third-party experts to strategize, design, implement, and facilitate blockchain to solve business challenges.

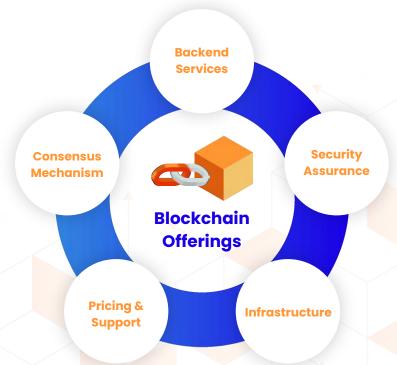


Figure 6. Criteria for Selecting a Blockchain as a Service Partner



#### The Next Iteration of Outsourced Software Solutions



#### **Potential Benefits**





#### **Time**

Rather than building new solutions, businesses can **leverage ready-made platforms** to integrate with their existing systems and applications.



#### **Expertise**

Software is purpose-built to solve specific problems by people who **intimately understand the challenge** and the solution.



#### **Flexibility**

Businesses can take time to get comfortable with the new technology and **strategize a thoughtful and measured approach** to further applications.





#### **Key Considerations**

#### Customization

Out-of-the-box solutions are templated and may require additional time, money, and effort to tailor to your specific use case.



#### **Business Continuity**

Blockchain is relatively new, which means its tooling is, too. Solutions may not have the desired **track record or funding for engagement**.



#### Compliance

Distribution, a core feature of blockchain, may conflict with regulatory obligations if data is dispersed across geographies.



#### Control

Technology partnerships often bear a degree of supervision and privacy submission, which could lead to **limited visibility and third- party dependence**.





#### **B2B Blockchain Solutions in Practice**

#### **Traditional Contract**



#### **Smart Contracts**





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