

Blockchain Explained

Understanding the technology that unlocks opportunities across evolving asset classes.

What is Blockchain?

Blockchain technology provides immutable, decentralized, distributed and encrypted data storage and transfer.



Data Storage



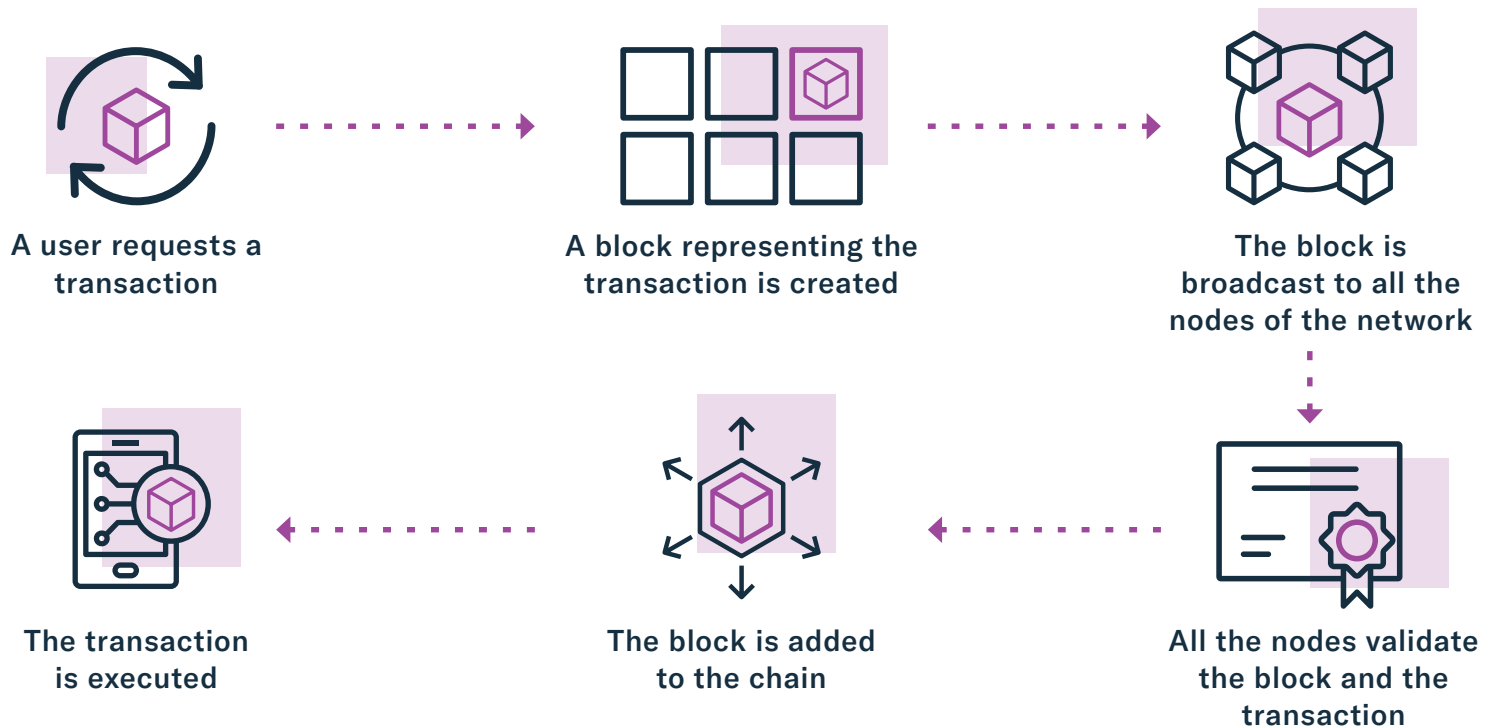
Data Transfer



Trust

How Does Blockchain Work?

The key to understanding how blockchain works lies in its decentralized nature—no single person or group controls it—making this a crucial element of the process shown below.



Why Blockchain?

While many are familiar with the term “blockchain” due to its bitcoin connection, this is just the tip of the investment iceberg. This technology makes it possible to create secure cryptocurrencies for all types of online transactions.

Growing Tokenization

Stocks, bonds, and real world assets (RWA) are increasingly being digitally tokenized on the blockchain. Tokenization could allow traditionally illiquid assets to be traded and managed more efficiently. This represents a significant growth trajectory.

Tokenized Real World Assets Forecast



Forecasts are not meant to be predictions

Blockchain’s reach also extends deeply into traditional corporate concerns like security, record keeping, food safety, insurance, global banking, and virtually all manner of business operations.

Then consider how blockchain forms the foundation of recreational and household applications in gaming, personal banking, healthcare data, and the fast-growing, alternative 3D world known as the metaverse.

Corporate and government investment in blockchain technology is exploding because new uses are being created and built every day. It is impossible to know how massive this market will become, but current predictions of \$1.43 trillion by 2030 are attracting the interest of long-term investors.

90.1%
CAGR³

Global blockchain market estimated to grow from \$57.72B in 2025 to \$1.43T by 2030³

¹ Real World Asset Tokenization to Hit \$50B in 2025: Ozean - Decrypt

² McKinsey Group Report

³ Grand View Research, Jan. 2025, Blockchain Technology Market Size, Share & Trends Analysis: 2025-2030.

The Blockchain Market

Blockchain is actively shaping a wide range of routine operations today. The applications for this technology include:



Smart Contracts



Payment Processing



Cross-Border Payments



Loyalty & Rewards Programs



Crypto Trading



Digital Identity Management

Experts agree it has the potential to benefit thousands of companies in hundreds of industries, such as:



Banking / Payments



Security
(cyber, election, etc.)



Human Resources



Government



Real Estate



Retail



Gaming



Supply Chain



Healthcare



Insurance



Food Safety



Education

Understanding the basics of blockchain is increasingly important for today's investors. As this technology continues to influence financial services, supply chains, and digital infrastructure, it's creating new avenues for innovation and market growth. Familiarity with how blockchain works—and where it's headed—can help investors better evaluate emerging opportunities, assess risk, and make informed decisions in a rapidly evolving landscape. **This overview offers a foundation to start that conversation and explore where blockchain may fit into your broader investment outlook.**



Start the Conversation Today.

Not an expert on blockchain? That doesn't have to derail your financial goals. Talk to your advisor to explore investment opportunities in this evolving market.



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Investing involves risk, including the possible loss of principal. Investments in blockchain technology and digital assets are subject to a variety of risks, including high volatility, lack of regulation, cybersecurity

incidents, theft or loss, developmental risk, and the potential for competing platforms or technologies. The technology is new and many uses may be untested. Investments concentrated in a single industry, such as blockchain, may exhibit higher volatility and be more vulnerable to factors affecting that industry.

Exposure to cryptocurrencies, such as bitcoin, is highly speculative and may be subject to extreme volatility and risk of total loss. Investors should be prepared to lose their entire investment. The regulatory and tax treatment of digital assets and cryptocurrencies is uncertain and evolving.

Securities issued by foreign companies present risks beyond those of U.S. issuers, including currency fluctuations and political or economic instability.

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