AB Litepaper

Introduction

AB represents a groundbreaking evolution in blockchain technology, building upon the foundation established by the Newton Project, which launched in 2018. The Newton Project's vision was to create infrastructure for the **Community Economy**, empowering individuals with the principle that "everyone should benefit directly from economic growth." Over the years, this vision has been partially realized through the development of decentralized infrastructure supporting community-driven economies. With the first phase of this journey now complete, the project embarks on a new chapter of innovation and expansion.
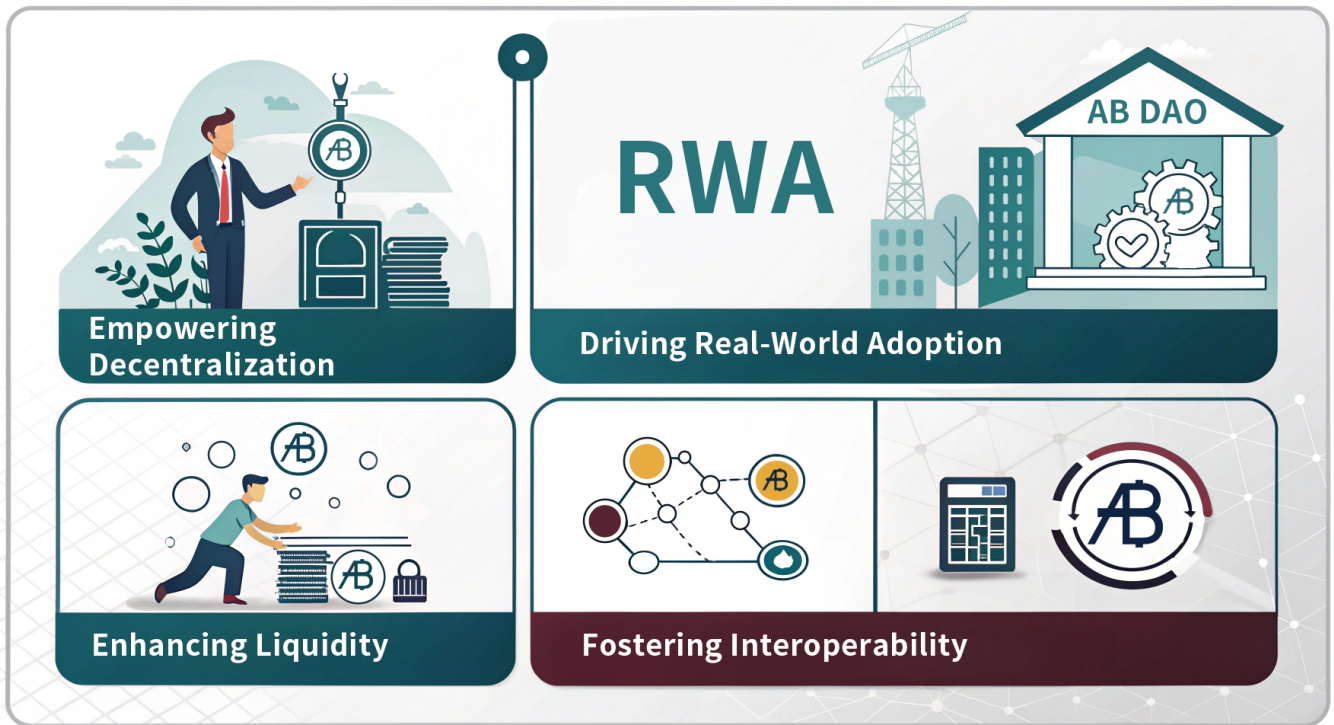
In 2025, the Newton Project rebranded as **AB**, signaling a strategic shift toward a more advanced blockchain ecosystem. AB focuses on heterogeneous blockchain infrastructure, real-world asset integration, and optimized tokenomics. At its core lies the **AB token**, the native cryptocurrency of the AB blockchain, which serves as the **Gas token** for powering transactions, executing smart contracts, and enabling governance mechanisms. This ensures the network's scalability, reliability, and sustainability.

This litepaper outlines the vision, technical architecture, tokenomics, and roadmap for the AB, providing a comprehensive view of its transformative potential.

Vision

AB envisions a fully decentralized and interoperable blockchain ecosystem that bridges the gap between digital and real-world economies. Its long-term objectives include:

- **Empowering Decentralization**: AB eliminates centralized control by empowering individuals and communities, granting them direct access to economic opportunities and benefits.
- **Enhancing Liquidity**: The accelerated release of AB tokens will foster liquidity, unlocking the full potential of the token economy and enabling more efficient value creation.
- **Driving Real-World Adoption**: By integrating real-world assets (RWA) into the blockchain, AB creates a seamless connection between traditional industries and decentralized technologies.
- **Fostering Interoperability**: AB enables smooth communication and asset transfers across multiple blockchains, ensuring a versatile and connected ecosystem that transcends isolated networks.

The AB Token: Native Gas Token

The **AB token** is the backbone of AB's blockchain ecosystem, designed to ensure the seamless operation of the network. As a functional utility token, it powers a wide range of applications while serving as the **Gas token** for executing transactions, smart contracts, and other blockchain operations.

Key Utilities of AB Token

1. **Gas for Transactions**
   AB tokens are required to process transactions on the AB blockchain. From transferring digital assets to interacting with decentralized applications (dApps), AB tokens power the ecosystem with efficiency and security.

2. **Smart Contract Execution**
   Developers utilize AB tokens to deploy and execute smart contracts on the AB mainnet. This ensures a reliable, scalable, and cost-effective infrastructure for building decentralized applications and services.
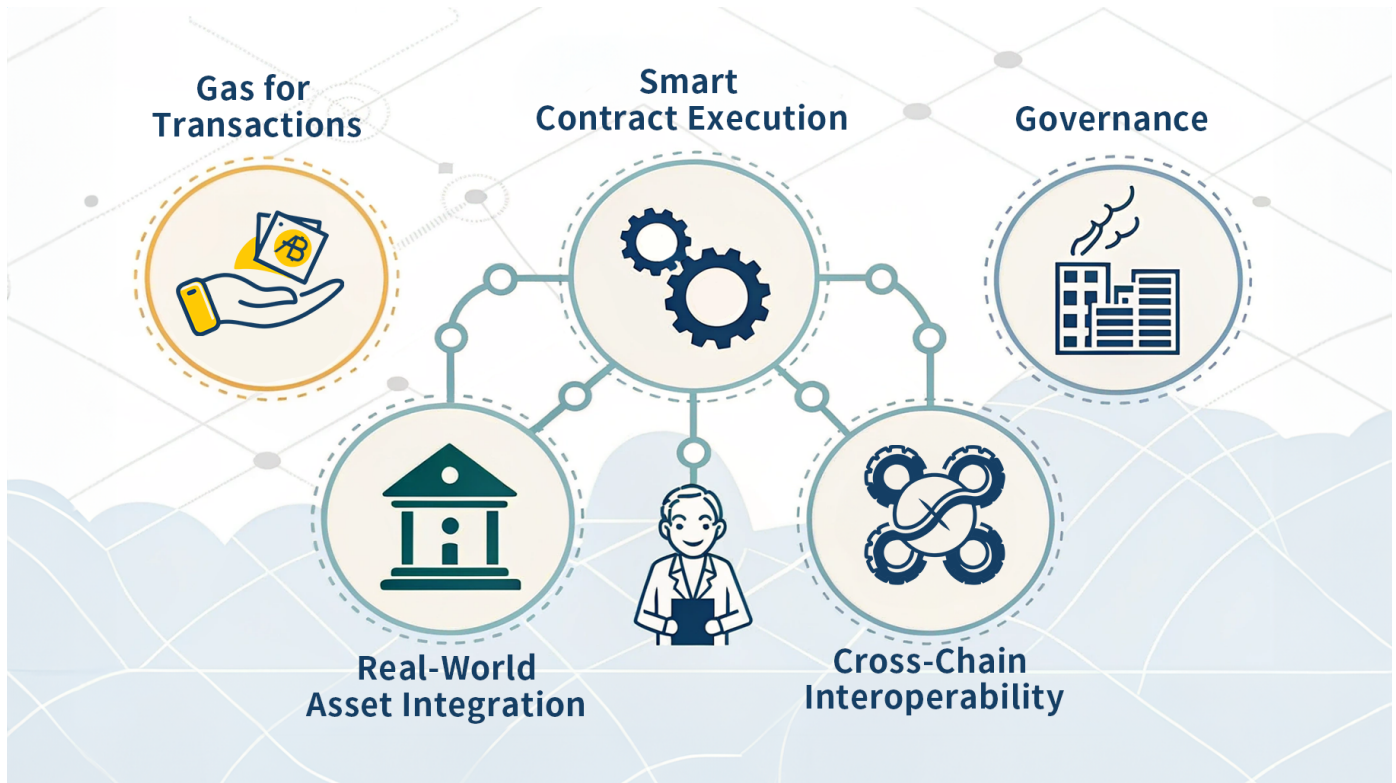
3. **Governance**
   AB token holders are integral to the ecosystem's governance, actively participating in decision-making through the decentralized autonomous organization (DAO). Holders can propose and vote on key initiatives such as network upgrades, economic parameters, and strategic developments, ensuring that the ecosystem remains community-driven.

4. **Real-World Asset Integration**
   AB tokens enable the tokenization and trading of real-world assets, such as real estate, commodities, fiat currencies, and intellectual property. This functionality bridges the gap between traditional industries and blockchain innovation, unlocking new economic opportunities.

5. **Cross-Chain Interoperability**

   AB employs cross-chain compatibility, allowing seamless communication and asset transfers across multiple blockchains like Ethereum, Tron, and Solana. This interoperability enhances the utility of AB tokens, positioning them as a key asset in a connected blockchain ecosystem.

Technical Architecture

AB builds upon the technical legacy of the Newton Project while introducing cutting-edge features that cater to the needs of a modern blockchain ecosystem. The architecture prioritizes scalability, interoperability, and real-world applicability.

1. AB Mainnet

The AB mainnet serves as the core infrastructure for the ecosystem, supporting fast and secure transactions, smart contract execution, and decentralized governance. With high throughput and low latency, it provides a robust foundation for developers and users alike.
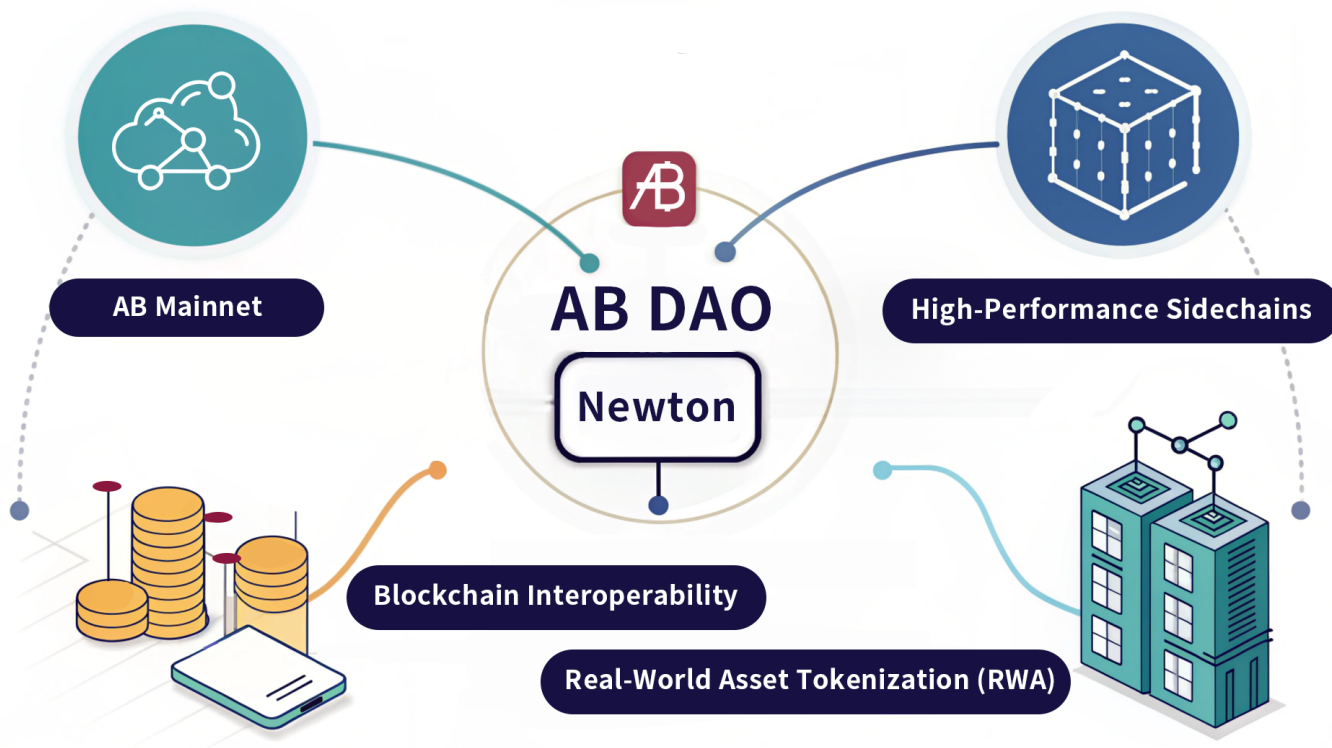
2. High-Performance Sidechains

AB introduces specialized **sidechains** tailored to specific industries, including payments, gaming, and finance. These sidechains reduce congestion on the mainnet while offering optimized functionality for distinct use cases, ensuring scalability and efficiency.

3. Blockchain Interoperability

AB leverages advanced cross-chain technology to enable seamless communication and asset transfers across multiple blockchain networks. This interoperability fosters collaboration and connectivity between ecosystems, eliminating the limitations of isolated platforms.

4. Real-World Asset Tokenization (RWA)

AB facilitates the digitization and management of real-world assets by enabling their representation as blockchain tokens. This creates new opportunities for transparent, efficient, and secure asset trading, paving the way for broader adoption across industries such as real estate, finance, and intellectual property.

Tokenomics

AB's tokenomics have been carefully designed to promote liquidity, incentivize participation, and ensure the ecosystem's long-term growth. These principles are outlined in **NEP-63**, which introduces significant updates to the token distribution model and incentive mechanisms.

1. Accelerated Token Release

As of February 2025, approximately **56.6 billion NEW tokens** (now AB tokens) remain locked. These tokens will be released evenly over a 12-month period, ensuring full circulation by February 2026. This accelerated release schedule enhances liquidity and supports the ecosystem's transition to a fully liquid token economy.

2. Incentive Redistribution

- **Node Rewards**: Starting February 2025, all token incentives will be directed exclusively to machine nodes operating on AB's mainnet and its sidechains. This ensures a reliable and scalable infrastructure for the ecosystem.
- **Future Incentives**: AB is exploring new reward mechanisms, including on-chain staking and lending systems, to provide additional value for AB token holders and further enhance the ecosystem.

Governance: AB DAO

AB DAO operates as a fully decentralized autonomous organization, empowering its community of AB token holders to shape the future of the ecosystem. This governance model ensures that all major decisions are transparent, inclusive, and community-driven.

1. Decentralized Decision-Making

AB token holders can propose and vote on key decisions, including tokenomics adjustments, network upgrades, and funding initiatives. This participatory approach ensures that the ecosystem evolves in alignment with the interests of its community.

2. Transparency and Accountability

All governance actions are recorded on-chain, ensuring full transparency and accountability. This decentralized model reinforces AB DAO's commitment to empowering its community and fostering trust within the ecosystem.

Roadmap

AB has outlined a clear and ambitious roadmap to drive innovation, adoption, and ecosystem growth. Key milestones include:

1. **Implementation of NEP-63**
   - Accelerated token release and redistribution of incentives.
   - Full circulation of AB tokens by February 2026.

2. **Interoperability Enhancements**
   - Expansion of cross-chain capabilities to integrate additional blockchains and assets.

3. **Real-World Use Cases**
   - Launch initiatives for real-world asset tokenization.
   - Collaborate with industry leaders in finance, gaming, and supply chain sectors.

4. **Community Incentives**
   - Develop new staking and lending systems to reward AB token holders.

5. **Ecosystem Expansion**
   - Attract developers to build dApps on the AB mainnet.
   - Foster partnerships to grow the ecosystem and drive adoption.

Implementation of NEP-63

Interoperability Enhancements

Real-World Use Cases

Community Incentives

Community Incentives

Conclusion

AB builds upon the achievements of the Newton Project to deliver an advanced blockchain ecosystem that integrates real-world applications, robust interoperability, and community-driven governance. The **AB token**, as the native Gas token, is central to the ecosystem's functionality and growth, powering transactions, smart contracts, and governance mechanisms.

With a strong focus on innovation, decentralization, and real-world utility, AB is positioned to redefine decentralized economies while unlocking new opportunities for individuals and businesses. The AB's commitment to transparency, liquidity, and interoperability sets it apart as a leader in the blockchain space.

Join us in shaping the future of blockchain technology.

For more information, visit:

- AB Website
- NEP-63 Proposal