METAMUI

BLOCKCHAIN
OVERVIEW

MetaMUI, the world's first identity-based blockchain reshapes the financial landscape, fosters self-sovereign finance, and constructs a sustainable, inclusive economic model. MetaMUI digitizes vital national infrastructure – from identity and credentials to financial transactions, eliminates the need for paper, and empowers individuals with self-sovereign finance. This approach protects user privacy and allows for the digitization of various financial instruments, products, and services.

I. TECHNOLOGY

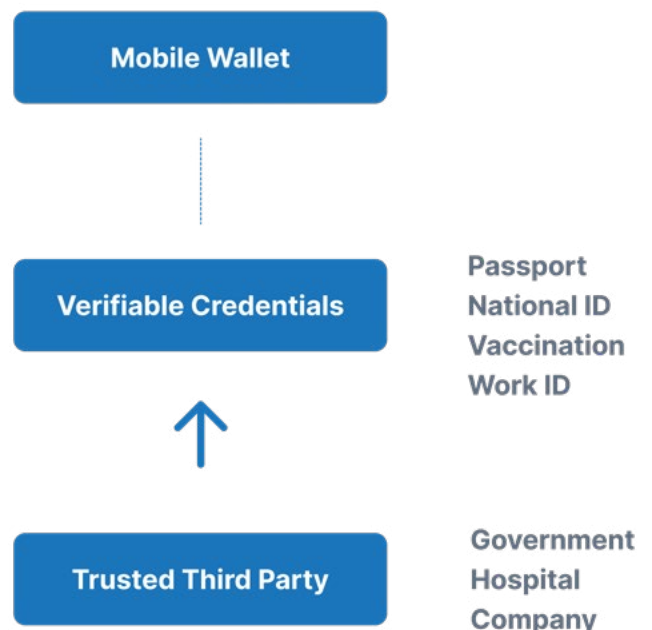## METAMUI PARACHAIN STRUCTURE FOR UNIFIED LEDGER

MetaMUI is focused on implementing the concept of a unified ledger by utilizing an identity blockchain as a relay chain, interconnecting specialized blockchains in a parallel parachain network, and fostering the creation of distinct ledgers.

- **Identity Relay Chain:** Identity blockchain connects specialized blockchains.
- **Parallel Parachains:** Interconnected specialized blockchains form a network.
- **Distinct Ledgers:** Create and manage separate ledgers within the system.

IDENTITY BLOCKCHAIN AND DECENTRALIZED PUBLIC KEY INFRASTRUCTURE

MetaMUI utilizes a unified ledger system, integrating decentralized identity (DID), decentralized public key infrastructure, and its native tokens.
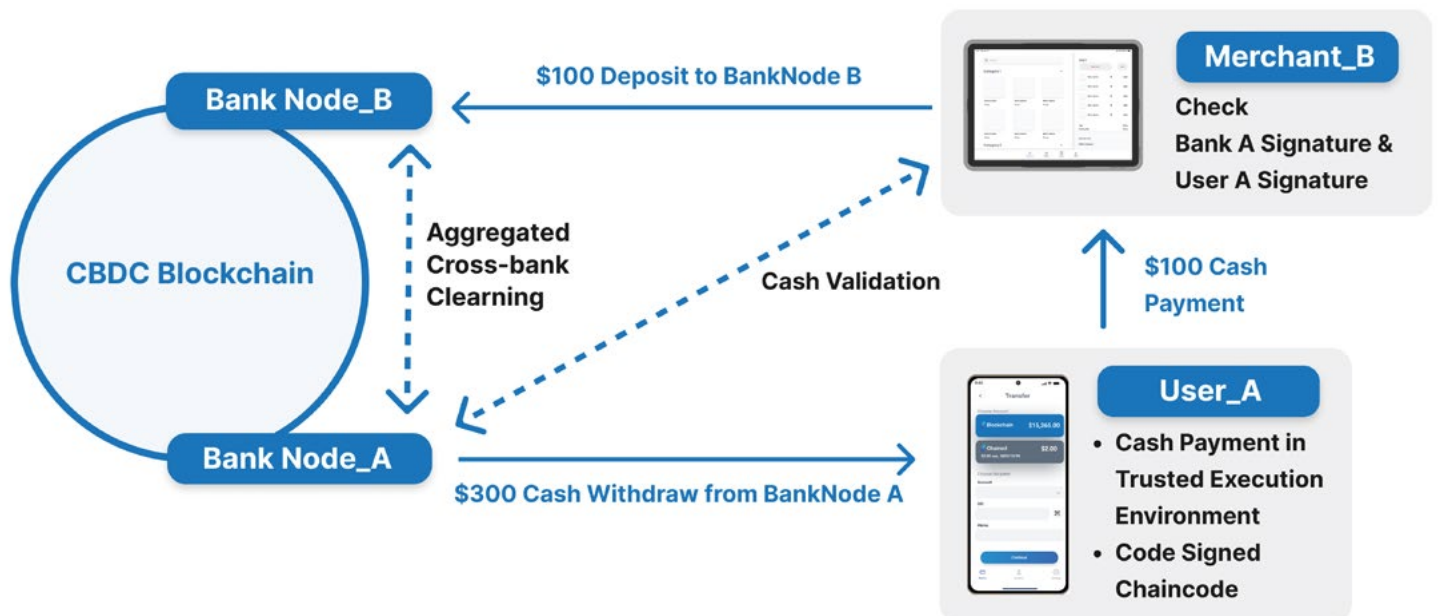
- **Unique DID:** Ledger record transactions in terms of user's identifier.

- **Native Tokens:** Built-in utility token fuels the unified ledger.

- **Verifiable Certificates:** Cryptographically signed certificate issuance and verification on DPKI.

Mobile Wallet

Verifiable Credentials

Passport
National ID
Vaccination
Work ID

Trusted Third Party

Government
Hospital
Company

CHAINED CASH

MetaMUI invented a chained protocol that enables non-mediated, peer-to-peer, and instantaneous payments.

- **Instant Online & Offline Payments:**
  Swift, non-mediated, peer-to-peer payments through chained cash protocol.

- **Unlimited Scalability:**
  Parallel processing ensures limitless system growth.

- **Hybrid Architecture:**
  Peer-to-peer retail transactions and decentralized settlement among bank nodes.

- **Currency Conversion (PvP):**
  Multiple types of Chained Cash can be exchanged and converted via inter-bank settlement.

II SOLUTIONS

CBDC

- **Complete CBDC Solution:**
  MetaMUI CBDC provides all 3 types of CBDC, retail, wholesale and
  cross-border in single system.

- **Sovereign Wallet:**
  Hardware-assisted digital wallet to store private key and sign the transactions securely.

- **Governance Council Voting and Admin Tools:**
  MetaMUI CBDC comes up with admin tool to manage publication, minting, and slashing of
  CBDC. Currency administrator can propose voting by the governance council members for the
  approval of critical operations.

SSID & DPKI

- **National Identity & Certified Document Management:**
  Users can securely store and manage essential documents like nationality certificates,
  vaccination records, and academic qualifications within a unified platform.

- **Decentralized Public Key Infrastructure:**
  Every user, organization, and device can possess their unique digital identifier and register
  digital signatures. Each entity is capable of issuing signed certificates, digitally signing
  contracts, and generating certified messages.

- **Universal Identifier:**
  Self-Sovereign Identity (SSID) can function as an account address for digital currency, an
  ownership identifier for digital assets, and a messaging portal for certified messages.

ASSET CERTIFICATION & TRADING

- **Tradable Certificates:** Allows digital representation of assets, enabling easy registration and direct transfer of ownership eliminating the need for middlemen and enhancing trust.

- **Extensive Asset Range:** MetaMUI TCs support a wide array of assets, offering a versatile trading experience that includes real estate, vehicle registration, intellectual property, and carbon credits.

- **Accessible Investment & Enhanced Liquidity:** MetaMUI TCs facilitate the division of large high-value assets into smaller, tradable units, expanding investment opportunities for more people and enhancing market liquidity for a diverse range of investors

CERTIFIED MESSAGING & SMART CONTRACTS

- **Certified Messaging:** Offers a unified system for various forms of communication such as emails, social networking, phone calls, and video conferencing. This service ensures that all messages are verifiable and authenticated, bringing trust to digital correspondence.

- **P2P Contract Signing:** Enables users to digitally sign contracts directly with one another, with the added assurance of identity verification and ownership proof, both online and offline.

- **Registered Email and Messaging:** Offers a system for registered electronic communications, making it reliable for the exchange of official documents like tax notices and invoices.

III. SERVICES

METAMUI CLOUD SERVICE: A BLOCKCHAIN AS A SERVICE (BAAS) PLATFORM

● **No-coding DApp development:**
Build DApps without coding through the BAAS platform.

● **Integrated Solution:**
Network Agent, Parachain, and Mobile Agent provide a comprehensive package.

● **Pre-built DApps:**
Access functionalities like Digital Currency issuance and Identity Card issuance readily.

METAMUI CLOUD-BASED CBDC

Currency Alliance Support: Supports simultaneous use of a common currency and the individual currencies of each member country, eliminating the need to relinquish sovereign monetary policy.

Unified Ledger: The CBDC functions as a relay chain that connects and integrates various ledgers, including the identity ledger, asset tokenization ledger, and others.

Green Economy: Digitization of financial infrastructure reduces paper usage.

Disaster Resilience: Key infrastructure keeps operating during disasters, ensuring financial stability.

ASSET TOKENIZATION & TRADABLE CERTIFICATES

MetaMUI's blockchain technology serves as a robust foundation for asset tokenization across various domains.

Fractional Ownership: Enables buying and selling fractions of different assets.

Proof of Collateralized Asset: The tokenized asset is supported by a real-world asset, and a digital certificate is issued to verify the presence of the collateralized asset.

Peer-to-peer Offline Transaction: Ownership transfer can be executed both online and offline, facilitating direct peer-to-peer transactions.

CLIMATE PROJECTS SECURITY TOKEN OFFERING (STO) PLATFORM

CO2 Network, a subsidiary of Sovereign Wallet, is developing an STO (Security Token Offering) platform dedicated to Climate Projects.

- **Empowering Self-Sovereignty:** Operates on a self-sovereign and non-custodian model, allowing individuals to manage their finances and investments directly without requiring external control or middlemen, promoting cost-efficiency and transparency.

- **Crowd Funding:** Massive micro-investment offers significant advantages to both investors and climate projects. It lowers the risks for investors and enhances the likelihood of securing adequate funding for climate initiatives.

- **Decentralized Autonomous Organization:** A DAO associated with issued security tokens automates shareholder voting, dividend distribution, and other processes.

IV. ABOUT US

At Sovereign Wallet, we aim to deliver financial services to millions of people by leveraging identity-based blockchain. Our flagship technology, MetaMUI, is paving the way for a more sustainable, equitable, and inclusive financial ecosystem. We believe that the future of finance transcends borders, and we're committed to building a platform that empowers individuals and organizations worldwide to participate in the sustainable economic model.

Sovereign Wallet is building a future where every person, regardless of background, can thrive in a sustainable, paperless digital society. We digitize vital national infrastructure – from identity and credentials to financial transactions – eliminating the need for paper and empowering individuals with self-sovereign finance. With MetaMUI, our groundbreaking identity-based blockchain technology, we're breaking the cycle of debt and environmental harm, paving the way for a more equitable and inclusive financial future for all.

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