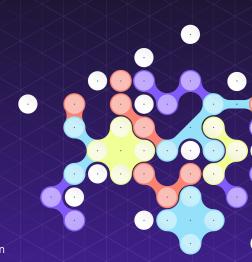BLOCKDAEMON × Canton

# Unlocking Institutional-Grade Privacy and Interoperability with the Canton Network and Blockdaemon

## What is the Canton Network?

The Canton Network is a privacy-enabled public blockchain built to connect institutional finance to the benefits of decentralization but without sacrificing privacy, control, or compliance. Originally developed by Digital Asset, Canton uses the Daml smart contract language to enable applications to operate privately while synchronizing securely across a shared network for atomic settlement.

Unlike traditional public chains, Canton enables selective data sharing so participants only see what they're permissioned to access. This preserves data confidentiality while supporting interconnected financial systems. Trusted by major institutions, Canton supports over $5T in tokenized assets and $2T in monthly U.S. Treasury repo volume.

## What Type of Validators Run in the Canton Network?

Canton operates with a two-tier validator structure:

- **Validators:** Nodes that validate application-specific transactions and participate in local consensus without seeing data that they are not a stakeholder to. They ensure data consistency while maintaining institutional privacy requirements.
- **Super Validators (SVs):** Super Validators are the operators of the Global Synchronizer (optional decentralized public connectivity infrastructure). The Global Synchronizer enables seamless atomic transactions across applications. The Global Synchronizer is operated by reputable institutions, with governance by the Global Synchronizer Foundation (GSF), an independent foundation managed by the Linux Foundation. Super Validators do not get to see business data.

## Who Should Run a Canton Network Validator?

Institutions looking to build, operate, or support regulated financial applications on blockchain infrastructure are ideal candidates to run Canton validators. These include:

- **Financial institutions** building applications or infrastructure within the network
- **Custodians and service providers** supporting regulated digital asset flows
- **Technology partners** enabling Daml-based smart contract workflows
- **Ecosystem contributors** looking to strengthen decentralization and network performance

## Is Running a Validator in the Canton Network Incentivized?

Yes, validators on the Canton Network earn rewards in the form of Canton Coin, the network's native utility token. These rewards are tied to validator liveness, meaning that operators are compensated for maintaining active, connected, and high-uptime validator nodes—especially those contributing to the Global Synchronizer.

Canton Coin plays several key roles in the ecosystem:

- **Fee Payment** – Used to pay for Global Synchronizer traffic and message relay
- **Network Incentivization** – Distributed to validators, application providers, and users who contribute value
- **Application Payments** – App developers can choose to denominate usage fees in Canton Coin

This model ensures a robust, reliable infrastructure while aligning incentives across all layers of the network.

## Why Should You Use Blockdaemon to Deploy Your Validator?

Blockdaemon is the leading institutional infrastructure provider trusted by global banks, custodians, and financial platforms. With support for over 60 blockchain protocols and a reputation for reliability, we bring deep expertise to your Canton deployment.

Our Canton services include:

- Streamlined validator deployment and lifecycle management
- Enterprise-grade uptime architecture and observability tooling
- Regulatory-aware support and operations model tailored to institutions
- End-to-end technical support to simplify Canton integration

Blockdaemon is actively building infrastructure to support the Canton Network and will soon offer validator services that reduce the operational burden for institutions looking to participate.

## What Services Will Blockdaemon Offer in the Canton Network?

Blockdaemon is actively building out a full suite of infrastructure and security services for institutional participation in the Canton Network. Our in-process offerings include:

- Validator Deployment & Management (In Process) - Turnkey validator setup and support designed for application operators in regulated environments.
- Super Validator Support (In Process) - Blockdaemon is working toward Super Validator approval, with infrastructure being built to meet the Global Synchronizer's performance and reliability requirements.
- MPC Wallet Integration (In Process) - Integration with Blockdaemon's non-custodial MPC wallet platform is in progress, enabling secure key management and policy-enforced transaction workflows tailored for institutional Canton use cases.

Together, these offerings will give financial institutions the tools to operate seamlessly in the Canton ecosystem—with trusted infrastructure, secure key management, and expert support.

## What Customers Currently Use Canton?

The Canton Network and its applications are trusted by some of the most prominent names in global finance and technology, including:

| Deutsche Bank | Morgan Stanley | Citi | Wells Fargo | Circle | Nasdaq | DRW |
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These institutions are bringing real-world use cases—such as tokenized repo, private credit, fund tokenization, and cross-border payments—to life on a privacy-enabled, compliant blockchain network.

## Deploy with Confidence

Blockdaemon offers the trusted infrastructure and institutional expertise you need to participate in the Canton Network. From validator deployment to key management, our platform enables secure, scalable access to tokenized finance.

**Contact Us to Get Started**