

DTCC Testnet - A DLT Ecosystem for Industry Collaboration

DTCC Testnet is a private, permissioned DLT ecosystem governed by DTCC, designed to encourage collaboration across the digital asset securities space. It enables experimentation at scale by providing a common environment for both DTCC and our clients to execute a series of pilots in support of capability advancement, industry business case development, standards alignment and interoperability.

WHY DOES THE INDUSTRY NEED IT?

- › While interest in digital assets and DLT-based solutions continues to grow, much of the exploration remains confined to single-firm deployments
- › Existing fragmented approaches to experimentation run the risk of resulting in siloed solutions, ultimately limiting the value that can be unlocked by this emerging technology
- › As industry participants begin to recognize the need for greater standardization and interoperability in order to realize the benefits of DLT at scale, there is a need for industry-wide coordination to support open collaboration
- › DTCC Testnet will become host to a series of both DTCC-led and client-led pilots, enabling market participants to unlock the benefits of DLT together
- › As a trusted Financial Market Infrastructure and partner to financial market participants for over 50 years, DTCC is well positioned to support the industry through the introduction of DTCC Testnet, a collaborative ecosystem for DLT experimentation

Components of DTCC Testnet Ecosystem



COMMUNITY

Collaborative forums and working groups to enable industry SMEs to work together



NETWORK

A DTCC-governed, private Ethereum network, with flexible connectivity options



TOOLING

Out-of-the-box tools to spend less time on setup and more time on exploration

WHAT ARE THE ANTICIPATED BENEFITS?

- › **Acceleration** - improved speed to market for pilot development by leveraging a reusable infrastructure with out-of-the-box tools that enable testing, iteration and refinement
- › **Flexibility** - multiple options to connect to the network including API-access (via RPC endpoints), self-hosting of nodes, or sandbox-access to DTCC's DevX cloud infrastructure
- › **Standardization** - development of market practices and standards through practical learnings and real-world experiments in collaboration with industry peers
- › **Compatibility** - a private Ethereum network built on Hyperledger Besu enabling broad compatibility with existing EVM open source tools and capabilities

HOW TO GET INVOLVED?

- › DTCC Testnet is open to financial market participants that have an existing client relationship with DTCC. While third party providers are not eligible to join DTCC Testnet directly, participants may engage with them in support of their own efforts
- › Firms that wish to participate in DTCC Testnet must first execute a standardized participant agreement. From there, they can choose their connectivity method(s), onboard users, and begin experimenting

For more information about DTCC's Digital Asset Journey, visit dtcc.com/digital-asset-innovation-at-dtcc

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