



NY FED INNOVATION ADVISORY COUNCIL

DTCC directions on Digital Assets and DLT

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Technology Research and Innovation

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Innovation @ DTCC

Innovation is a necessity – change even in the most uncertain times is constant – so keeping up with the pace of change in our industry and innovating makes us more resilient, increases value to our clients, and ensures ongoing functioning of our markets.

While Innovation happens across the enterprise, the Innovation R&D Team drives enterprise knowledge sharing on novel tech and business models, encourages curiosity and rapid experimentation, and facilitates internal and external ideation and collaboration

Innovation Strategy & Design

Creating a collaborative environment fostering a culture of ideas and experimentation in capital markets

- Partnering across technology and business units
- Experimenting in novel business models and technologies to create new platforms and ecosystems of products and services

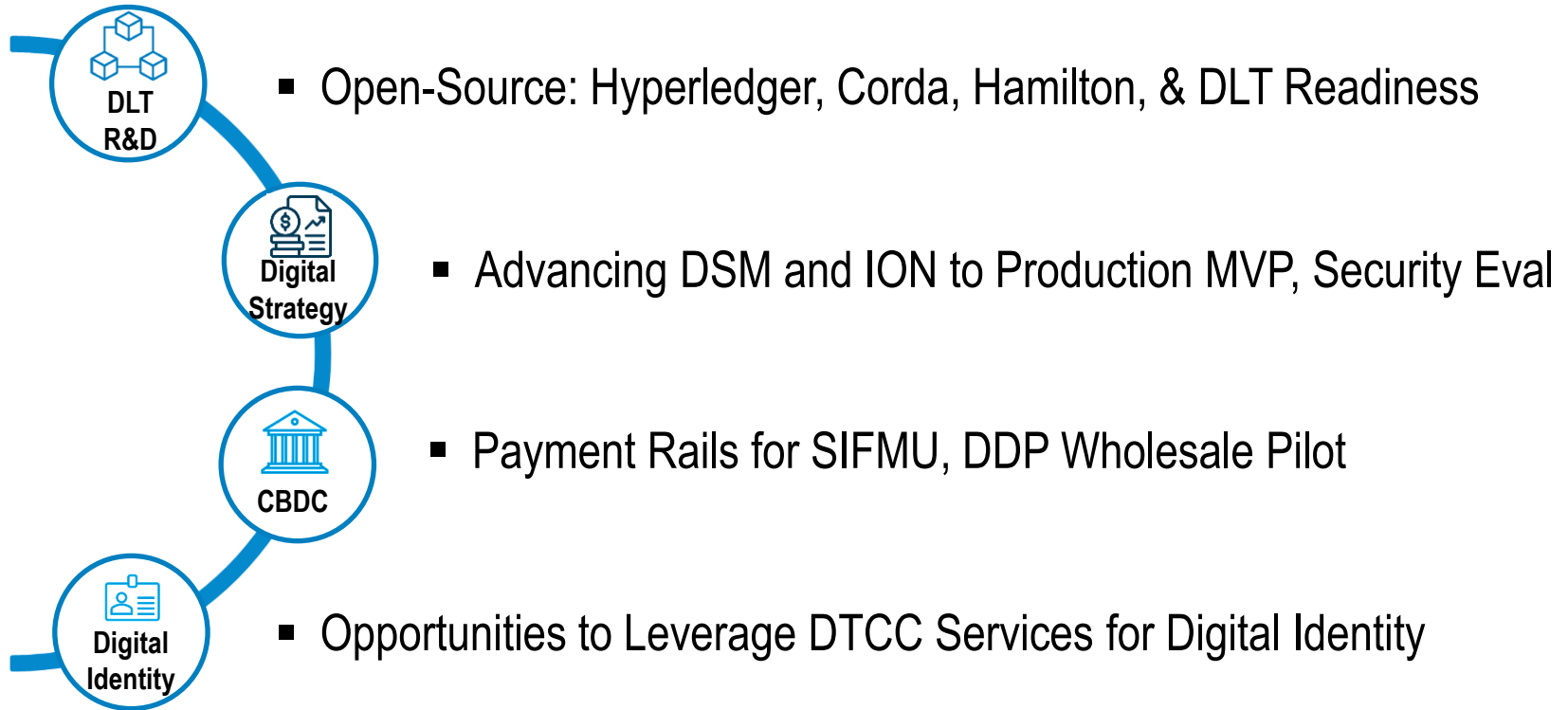
Creating value for DTCC, our clients and the broader capital markets landscape

Technology

Enable rapid prototyping of business concepts and technology solutions to succeed or fail fast

- Partnering with fintech and 3rd parties to bring expert resources to experiments and proof-of-concepts on demand
- Sponsoring, funding and provoking a spirit of innovation across IT
- Leading the integration of new technology into DTCC

Innovation R&D | 2022 DLT Activities



Key Program Initiatives Moving to Production

ION

EQUITIES CLEARING & SETTLEMENT MVP ON DLT

ION Production MVP based on success of ION Prototype - a novel DLT platform for consolidated clearance and settlement

SOLUTION

DLT prototype demonstrated consolidated processing flow and optional RTGS, T+0, T+1/2, T+1 scenarios on DLT; tokenized assets and APIs

Production MVP will deliver Parallel System providing Bi-Lateral Trade Ingestion and Matching on DLT, target production Q2 2022 with limited clients and security eligibility. Clients can opt in to participate.

Built to meet DTCC's rigorous standards across resiliency, stability, security, risk, and controls

DIGITAL IMPLICATIONS

DLT Enterprise Readiness, Value, Operational and BCM Integration

DSM

DIGITAL SECURITIES MANAGEMENT PLATFORM

Digital platform to standardize private markets from issuance to distribution and secondary transfer, including asset tokenization

SOLUTION

MVP of Digital Platform for Private Market Securities. Issuers have option of creating digital securities and issuing tokens to investor. Investors can transfer tokens between accounts

Platform provides standardized, efficient, compliant, and secure operations across primary and secondary private markets

In development for target mid-2022 production MVP.

DIGITAL IMPLICATIONS

Supports token minting on public Ethereum Network

Token transfers execute Smart Contract which requires DTCC signing approval

QUESTIONS?

