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Navigating decentralized futures

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The Future is 3D

Digitize

Decentralize

Decarbonize

The future of financial services will comprise an equilibrium between centralized and decentralized financial systems and components

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Decentralization

Using emerging technologies to remove third parties and democratize the control

Key Benefits:

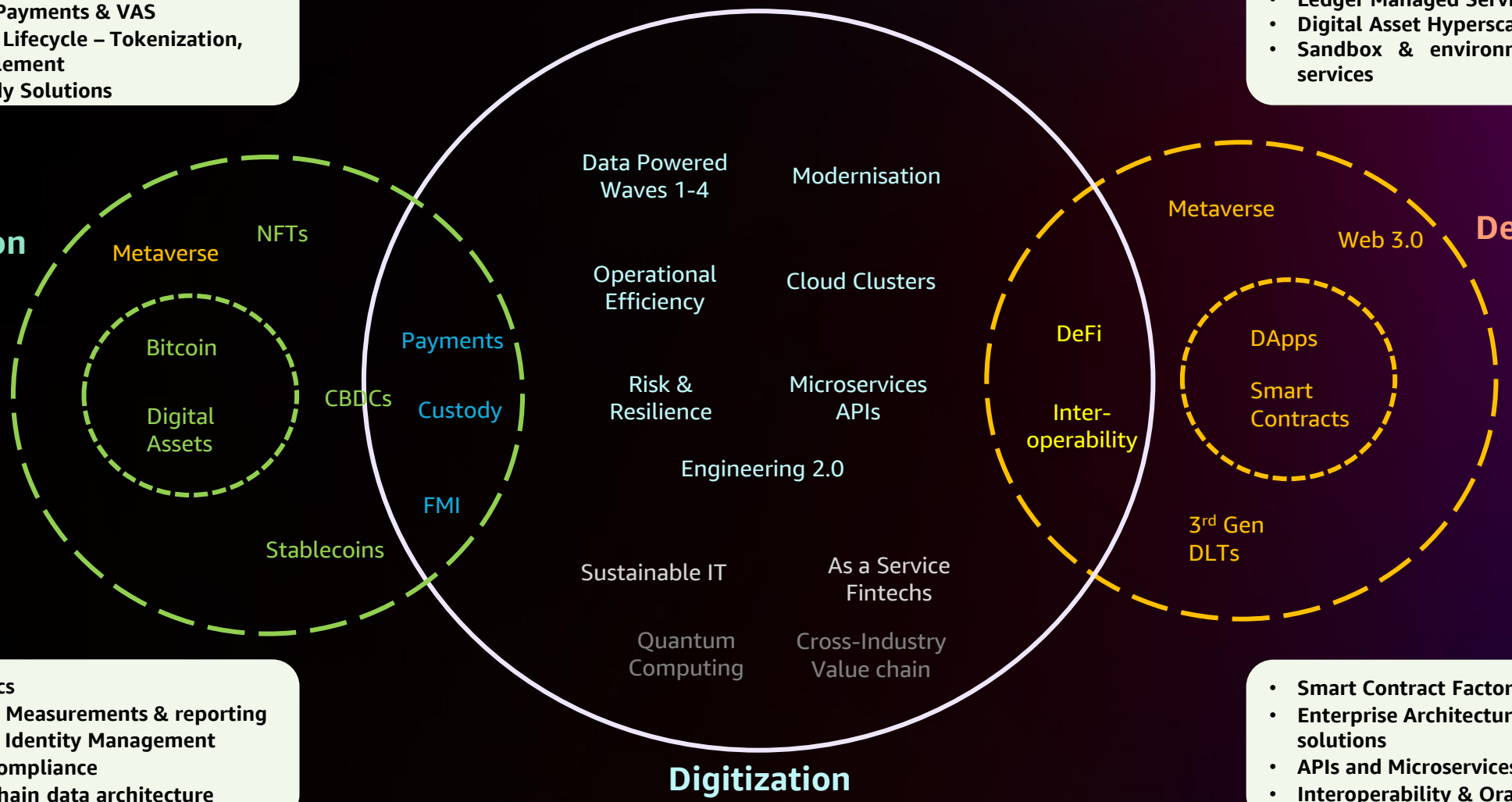
- More control over assets
- Empowers individuals and corporates with peer-to-peer digital exchanges
- Remove third parties

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Evolving landscape of a decentralized future

- CBDC – Strategy, Design & Roadmap
- Stablecoin – Treasury Transformation
- Cross Border Payments & VAS
- Digital Assets Lifecycle – Tokenization, Issuance, settlement
- Crypto Custody Solutions

- DLT Public & Private Cloud deployment
- Ledger Managed Services
- Digital Asset Hyperscale Partnership
- Sandbox & environment provisioning services



- Chain Analytics
- Sustainability Measurements & reporting
- Decentralized Identity Management
- KYC, Risk & Compliance
- Onchain-Offchain data architecture

- Smart Contract Factory
- Enterprise Architecture – Multi-chain solutions
- APIs and Microservices
- Interoperability & Oracles

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Futuristic use cases

Sector	Main Use cases
Banking & Capital Market	Digital Currencies & Tokenization of assets
Insurance	Computable contracts for policy & claims management
Public Sector	Proof of Identity, Certificates, Licensing regimes…
Energy/Utilities	Real-Time energy trading, especially renewables
Life Science	Health Records sharing
Manufacturing	Sustainability & CO_2 Tracking
CPG – Retail	Product Traceability and Supply Chain Automation
Media	Copyright tokenization

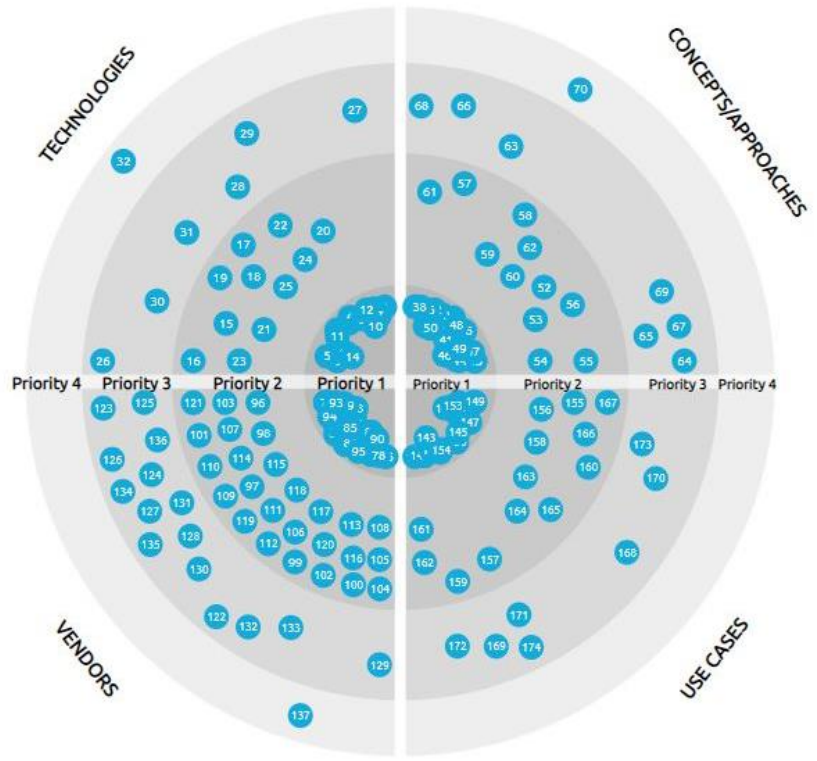
- **Instant remittance** – Cleared in 60 seconds, 24x7, <3% of cost
- **Atomic settlement –** Simultaneous exchange **of assets**
- **Programmable Money**
- **Tokenized Assets**
- **Trusted sustainability data**

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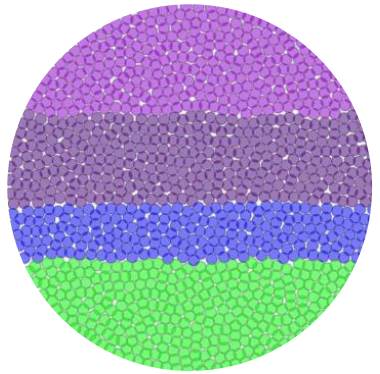
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Taxonomy shaping the future of regulated markets

CBDC EXPERIMENTS WITH SWIFT – BRIDGING DEFI & REGULATED MARKETS TO UNLOCK VALUE



Tech Database



Concepts & approaches
Technologies
Use cases
Vendors

2000+ items assessed across domains

Central Bank Digital Currency (CBDC)

Digital Assets and Tokens

Cryptocurrencies and Payments

Decentralized Finance (DeFi)

Non-Fungible Tokens (NFTs) and the Metaverse

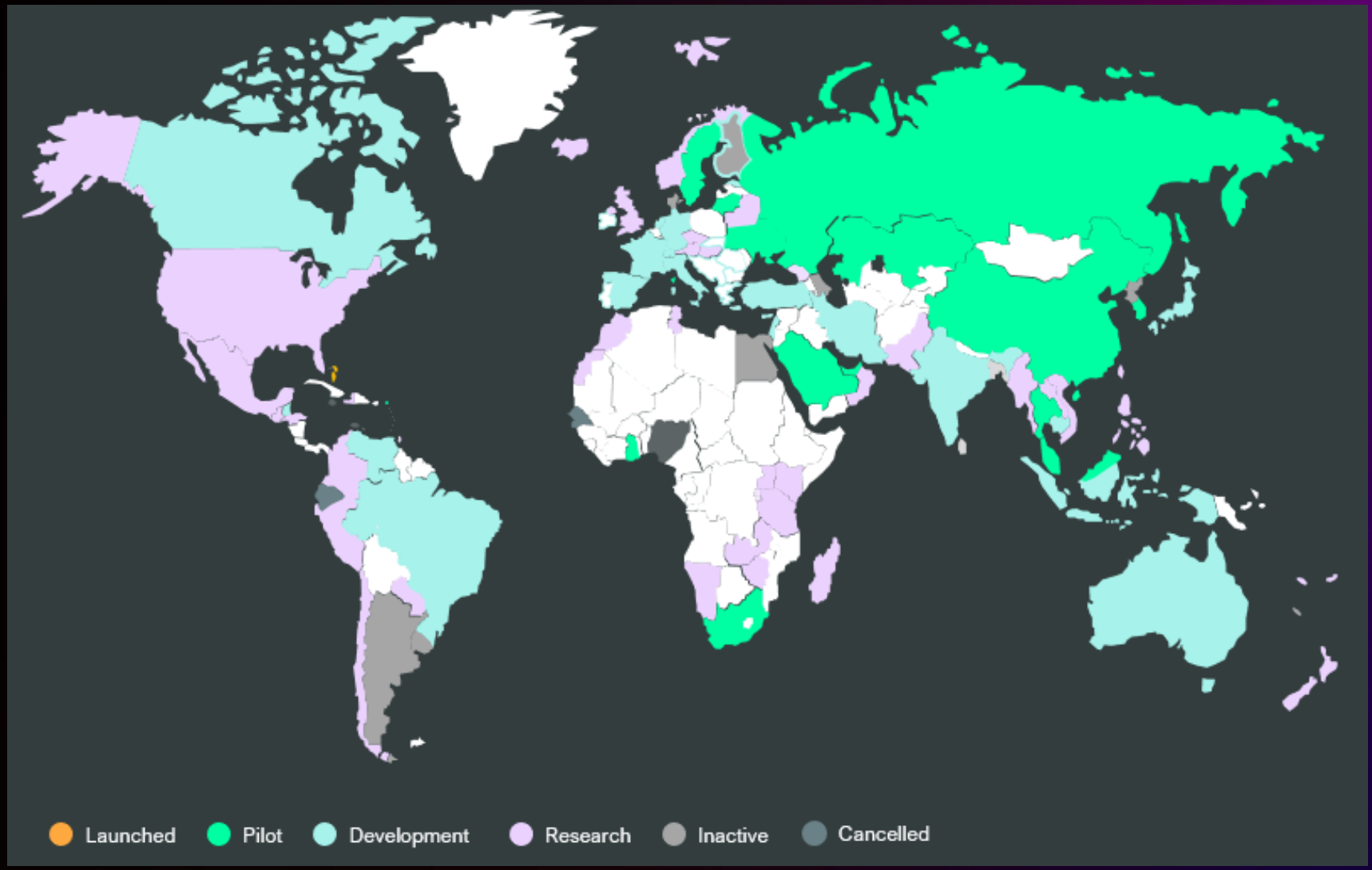
Web 3.0

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CBDC exploration is gathering momentum

Over 100 countries exploring a CBDC accounting for 95% of global GDP

10 countries have fully launched a digital currency



Source: Atlantic Council CBDC tracker

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Who is SWIFT?



is

- A leading provider of secure messaging services globally for payment and securities
- Over 11,000 institutions from over 200 countries trust us
- A unique global cooperative that brings the financial industry together to solve industry challenges
- A catalyst for transforming cross-border payments: With SWIFT gpi, >$350B is sent every day, with 40% credited to end beneficiaries in under 5 minutes
- Our mission is empowering the financial community to create an inclusive digital economy

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CBDC Ecosystem: Our key assumptions

SWIFT's role puts it in a unique position to join up the various platforms and enable transactions to efficiently flow between them

Numerous CBDC platforms will coexist globally for some time to come



Some of the platforms will be powered by DLT, but not all



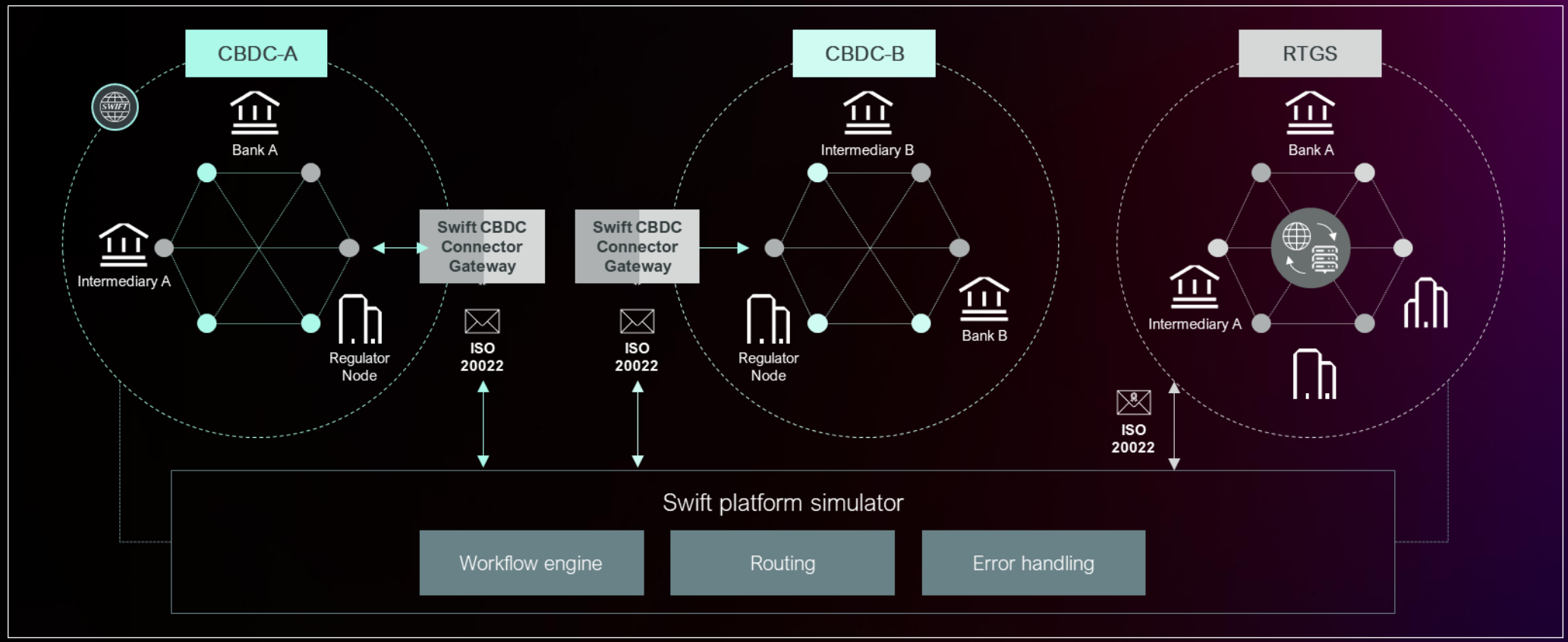
The platforms will need to interoperate with each other



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Collaborative innovation: Experimenting a CBDC interlinking solution



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We demonstrated the facilitation of three potential flows between various network implementations: Quorum to Corda, RTGS to Corda, and Corda to Quorum, focused on inter-network communication through the enhanced SWIFT platform

Our goals, which we successfully achieved were to make the solution follows:

- Agnostic to the ledger technology
- Make it interoperate in a seamless manner with other payment systems
- Policy, rule book, consensus mechanism implemented by the CBDC should be local to the CBDC and not influence other parties
- Standardized way of implementing atomic payment. This approach provides the flexibility for the network operators of the CBDC to implement these rulebooks per their policy.

Allowing for:

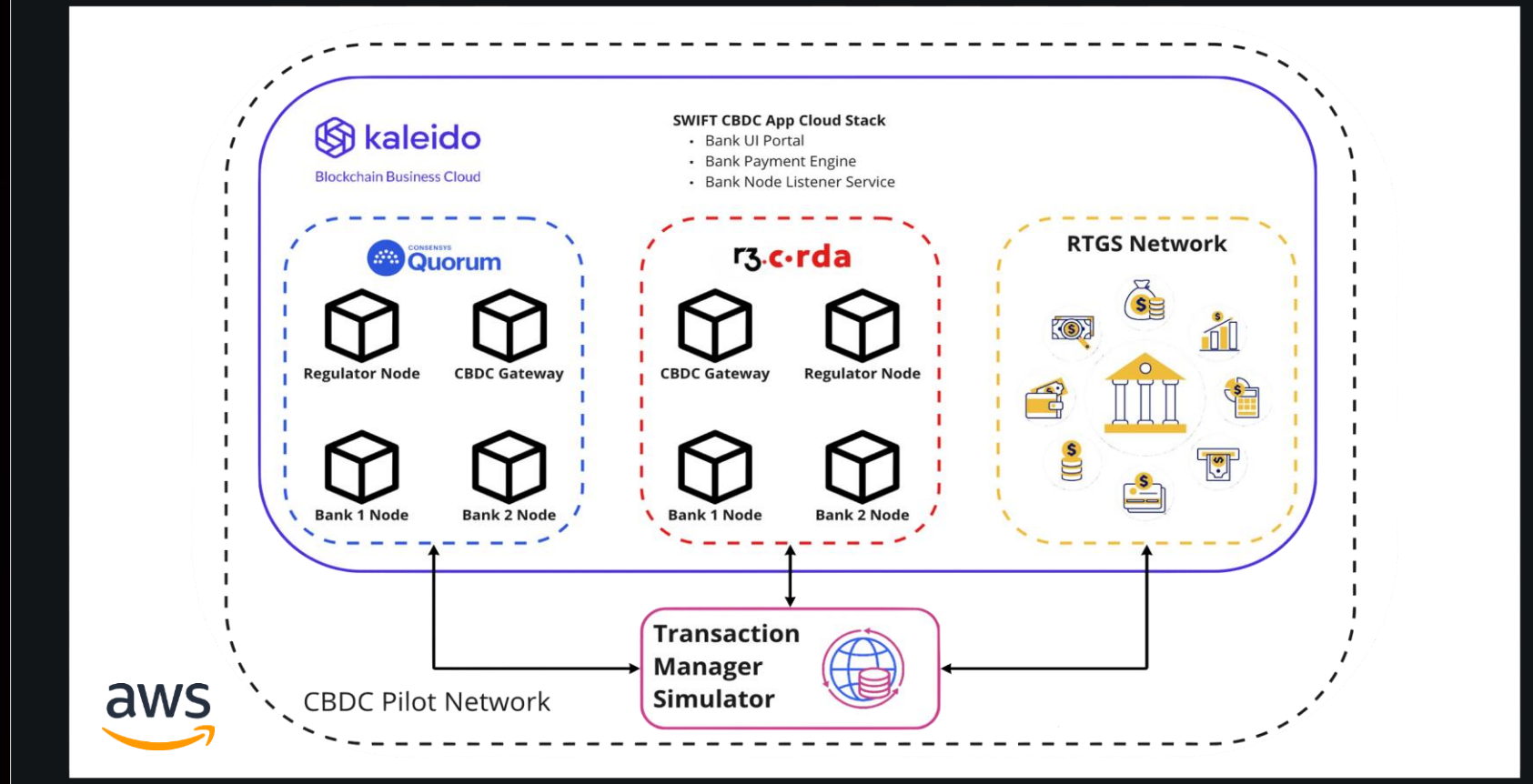
- Seamless transaction flow on a scalable model
- Local flow within the CBDC network
- Cross-border by SWIFT Gateway:
  No intermediary message initiation required
- Simple enablement and integration of domestic CBDC networks into cross-border payments
- ISO 20022 and PKI can provide interoperability

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SWIFT's CBDC sandbox infrastructure

18 central & commercial banks currently experimenting with the solution



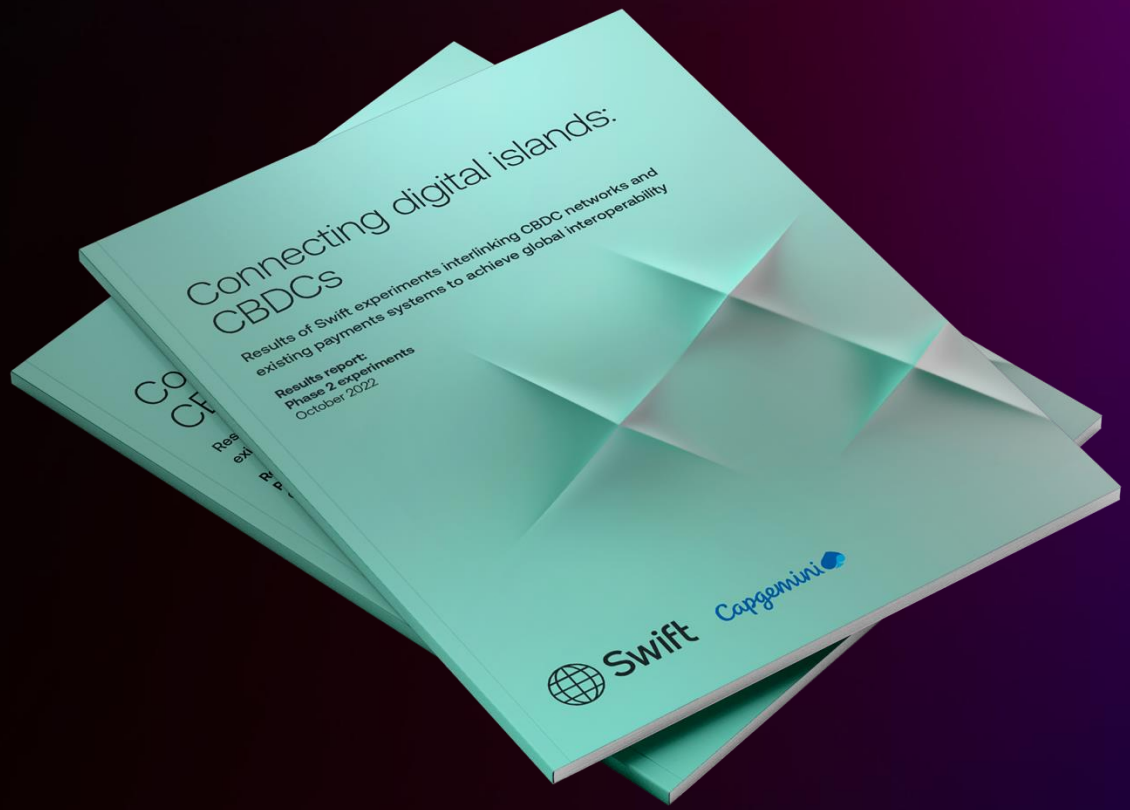
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SWIFT's CBDC experimentation: The timeline



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Read our results paper



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