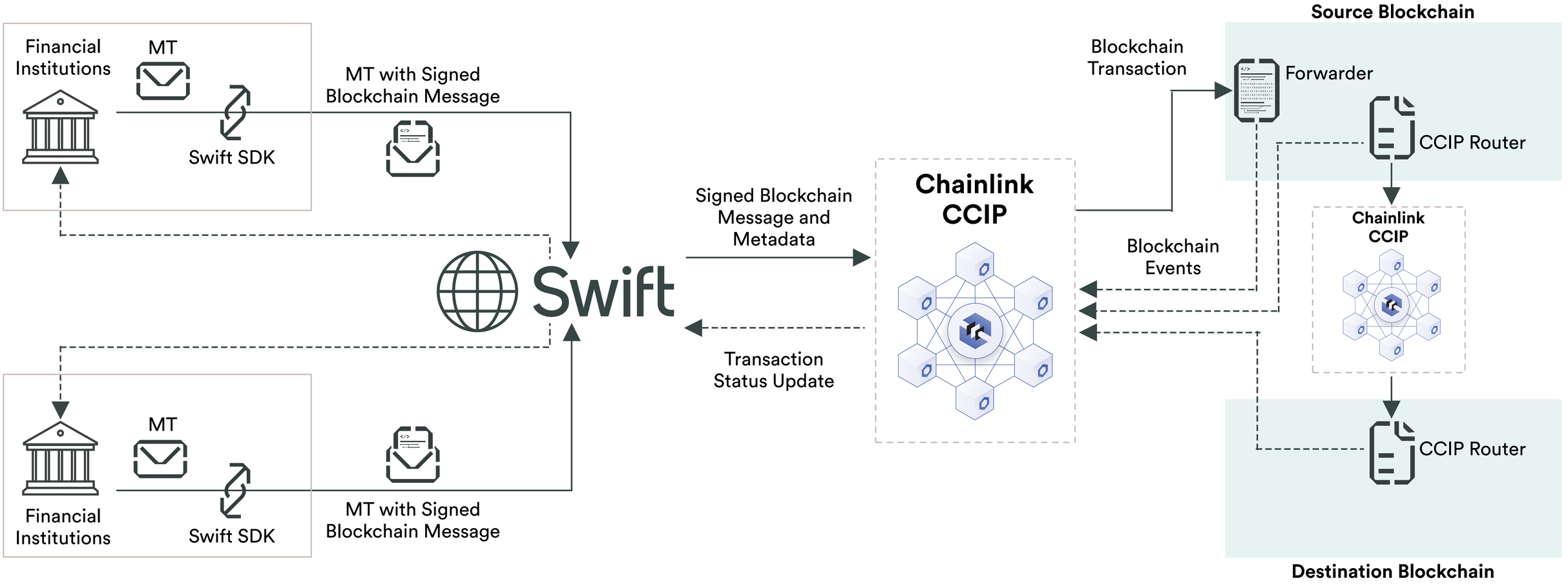
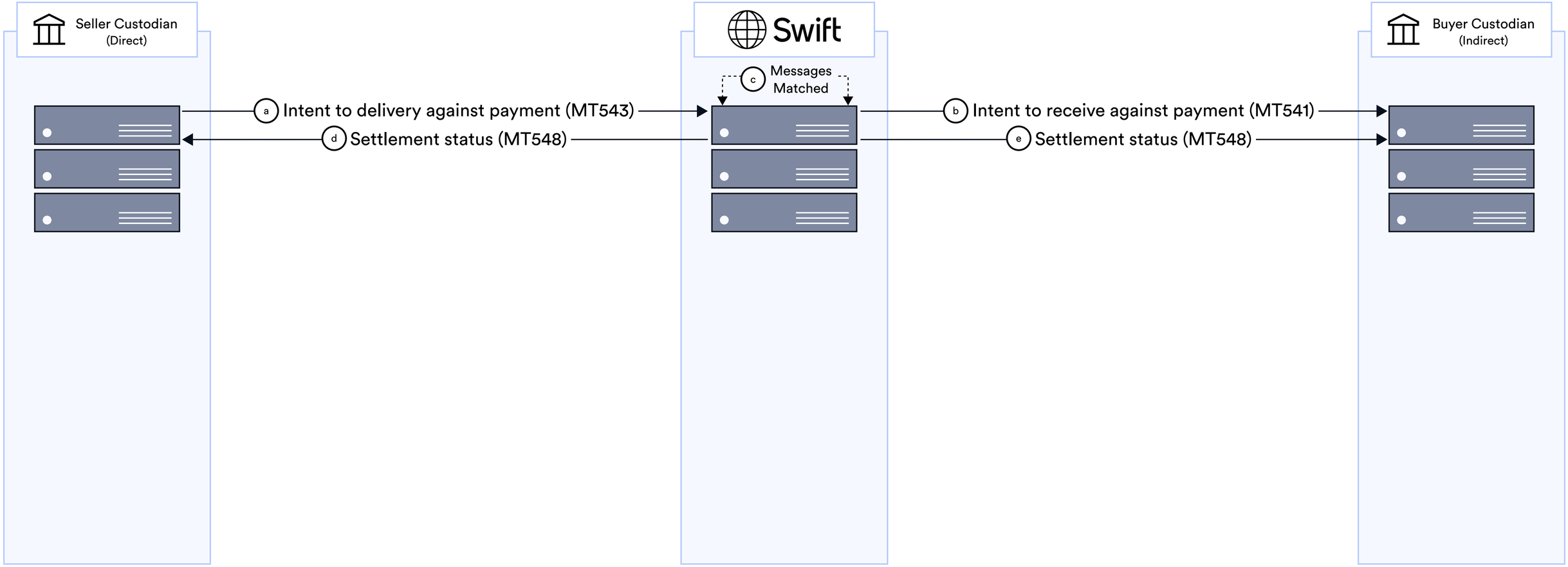
Chainlink

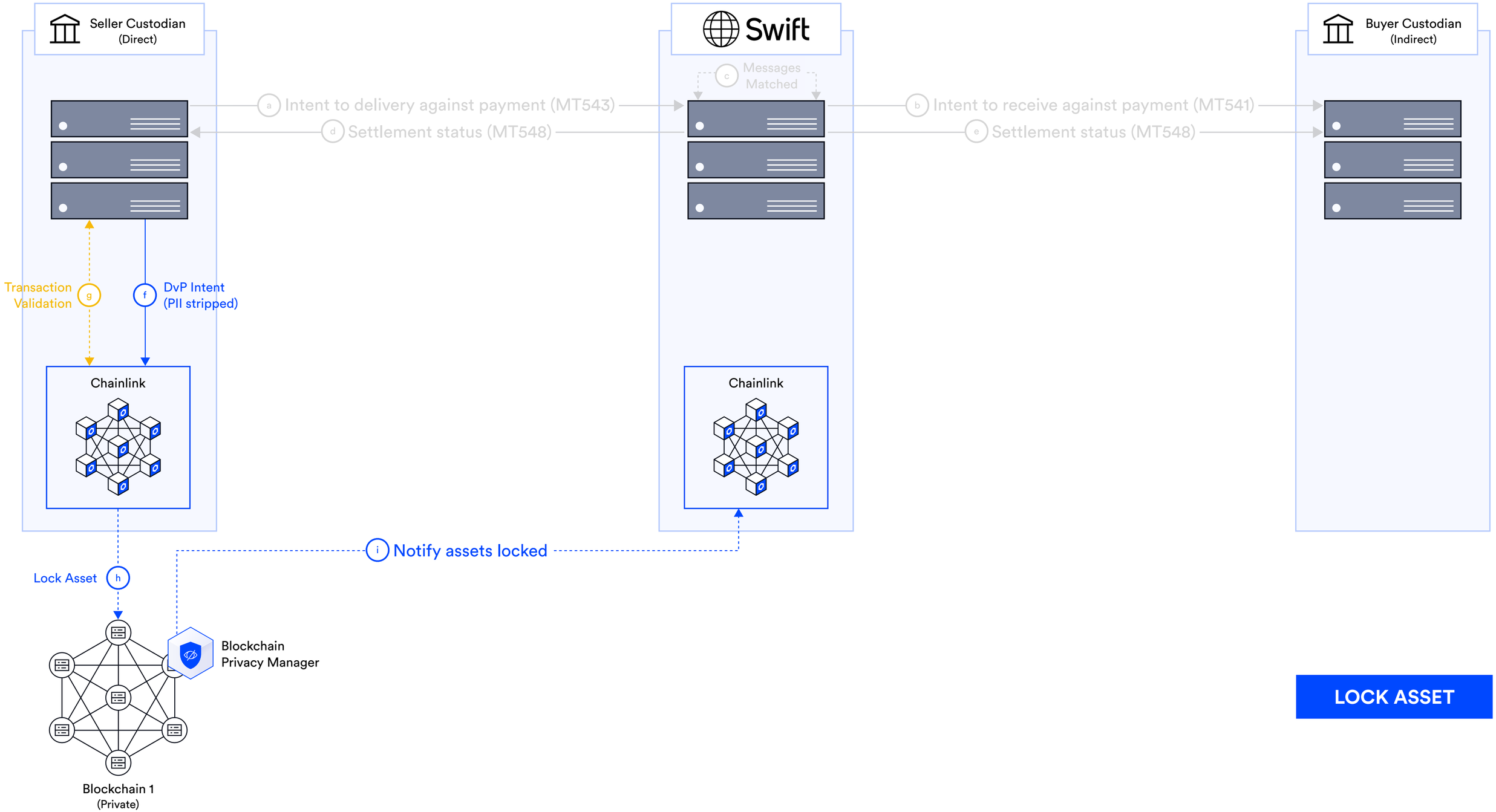
Sibos 2024

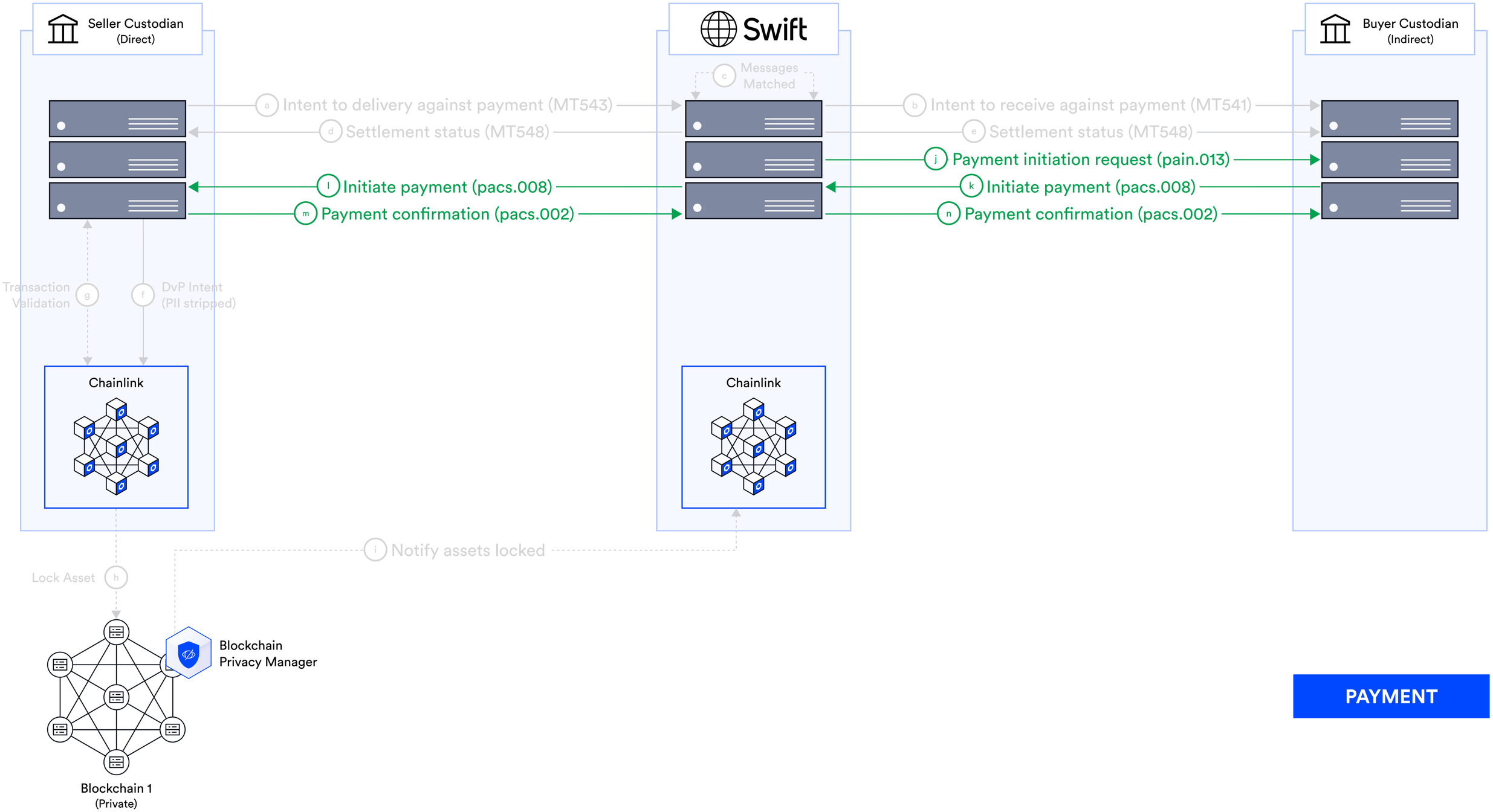
Connecting Capital Markets to Chains Utilizing Existing Global Standards





PRE SETTLEMENT


Seller Custodian
(Direct)
Swift
Buyer Custodian
(Indirect)
c Messages Matched
a Intent to delivery against payment (MT543)
d Settlement status (MT548)
b Intent to receive against payment (MT541)
e Settlement status (MT548)
Transaction Validation
g
f DvP Intent (PII stripped)
Chainlink
Chainlink
i Notify assets locked
Lock Asset
h
Blockchain Privacy Manager
Blockchain 1
(Private)
LOCK ASSET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k Initiate payment (pacs.008)
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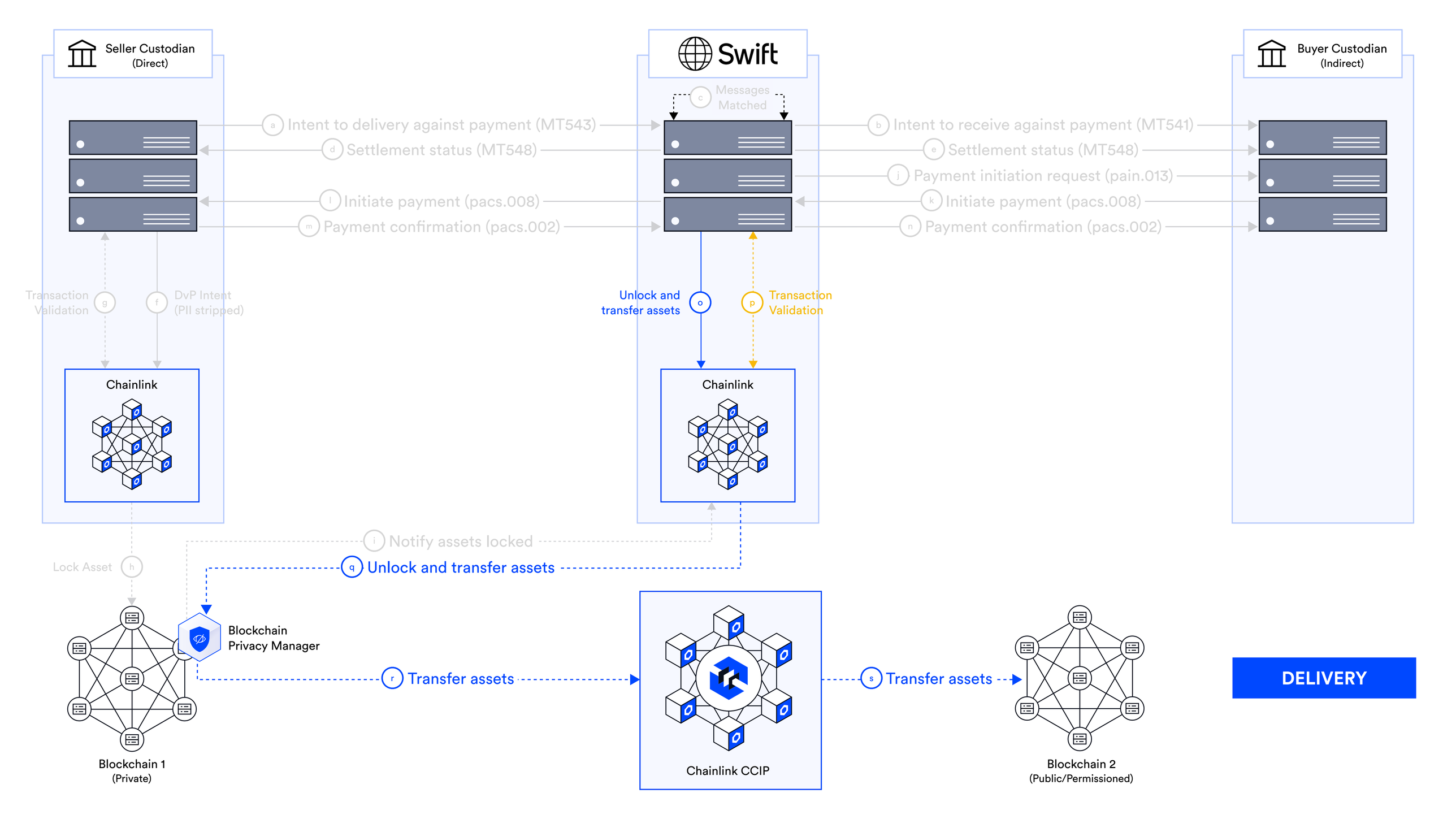
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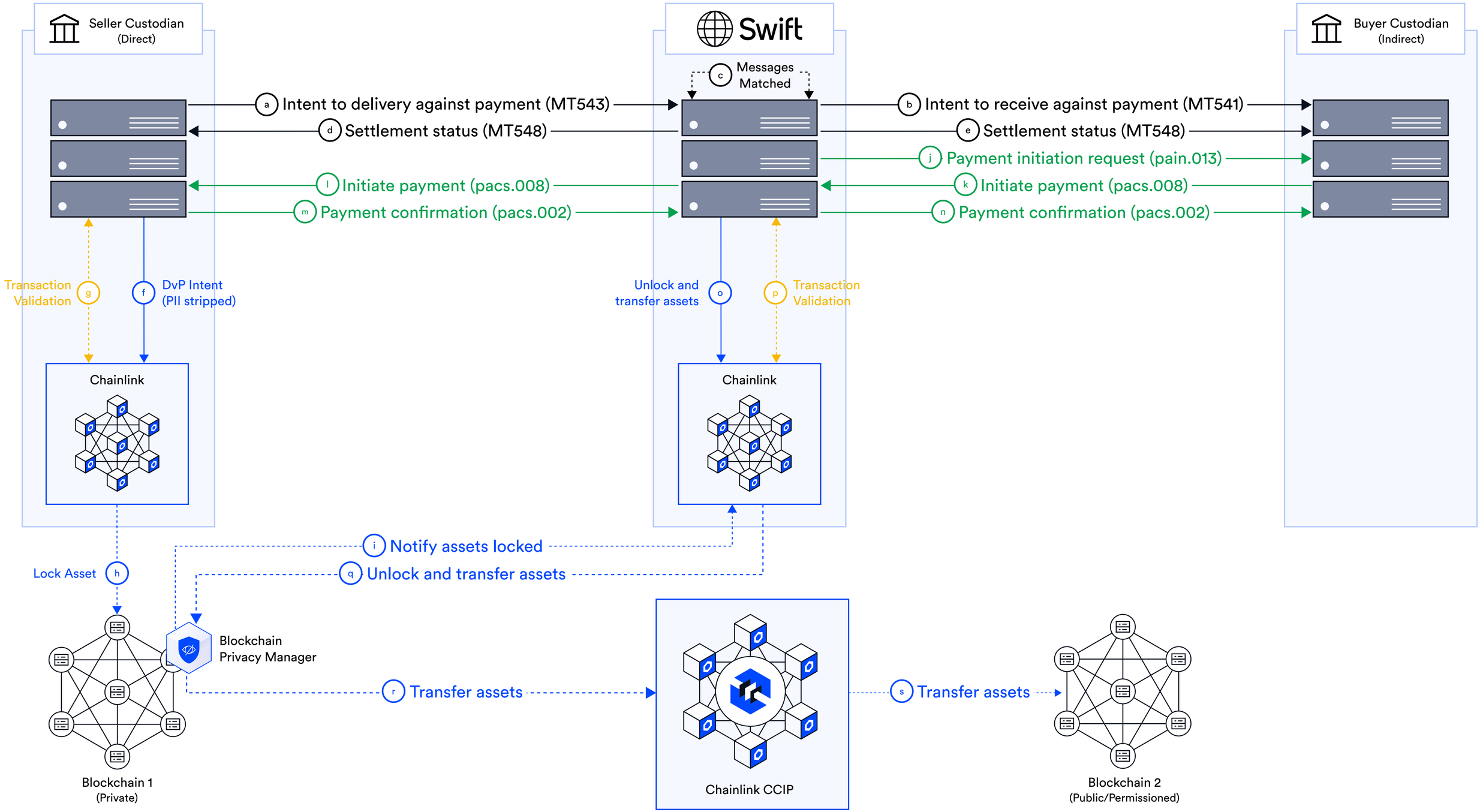
q Unlock and transfer assets
Blockchain Privacy Manager
r Transfer assets
Chainlink CCIP
s Transfer assets
Blockchain 1
(Private)
Blockchain 2
(Public/Permissioned)
DELIVERY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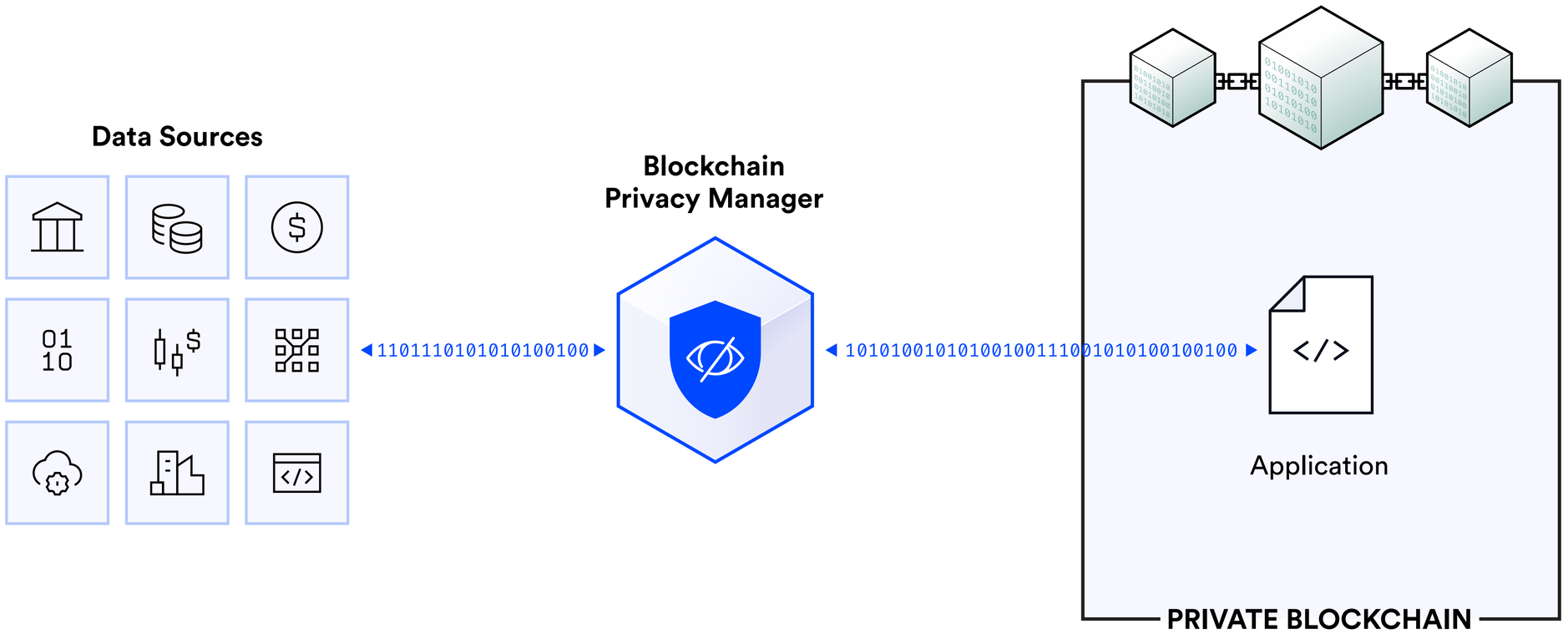
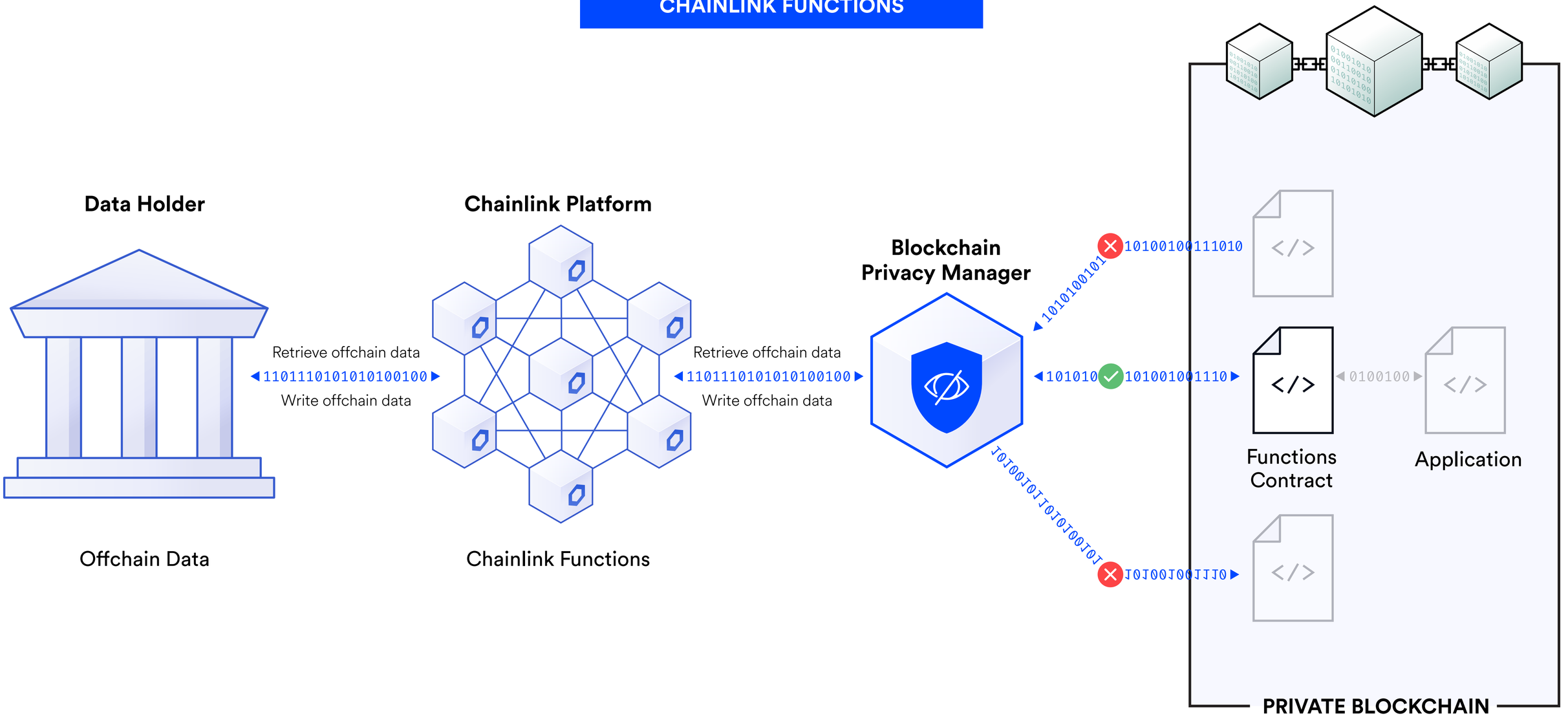
Blockchain Privacy Manager

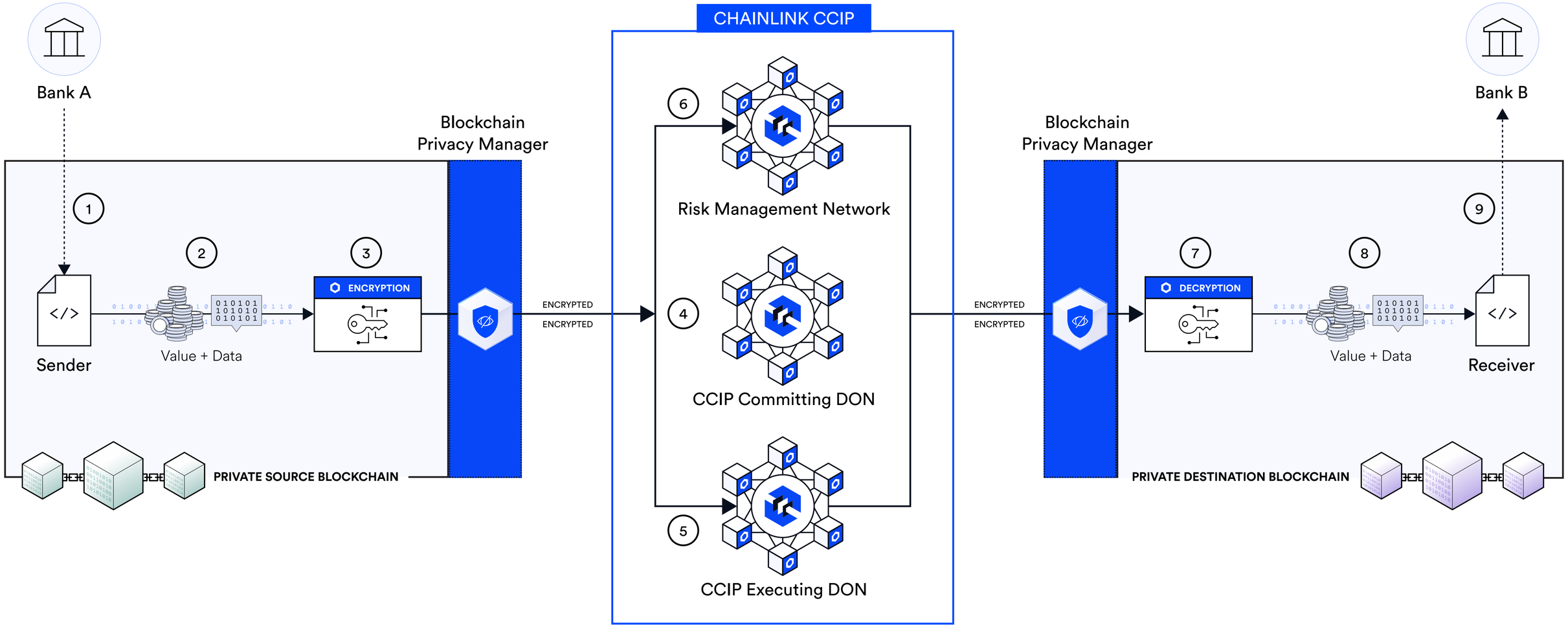


Blockchain Privacy Manager

CHAINLINK FUNCTIONS



CCIP Private Transactions



DECO | Sandbox | Documentation

Connect Wallet

DECO Sandbox

Experience the power of zero-knowledge proofs, and see how DECO can unlock countless use cases while maintaining privacy protection.

Start with a provided example or create your own use case.

Create your own use case

Identity Check

example

Trial how DECO verifies identity documents using zero-knowledge proofs, enabling privacy protection, compliance without revealing personal details, and enhanced security in your processes.

Rename | Duplicate | Delete

Proof of Funds

example

Explore how DECO's Proof of Funds can privately sum account balances using zero-knowledge proofs, allowing you to verify transaction readiness without disclosing specific account details.

Rename | Duplicate | Delete

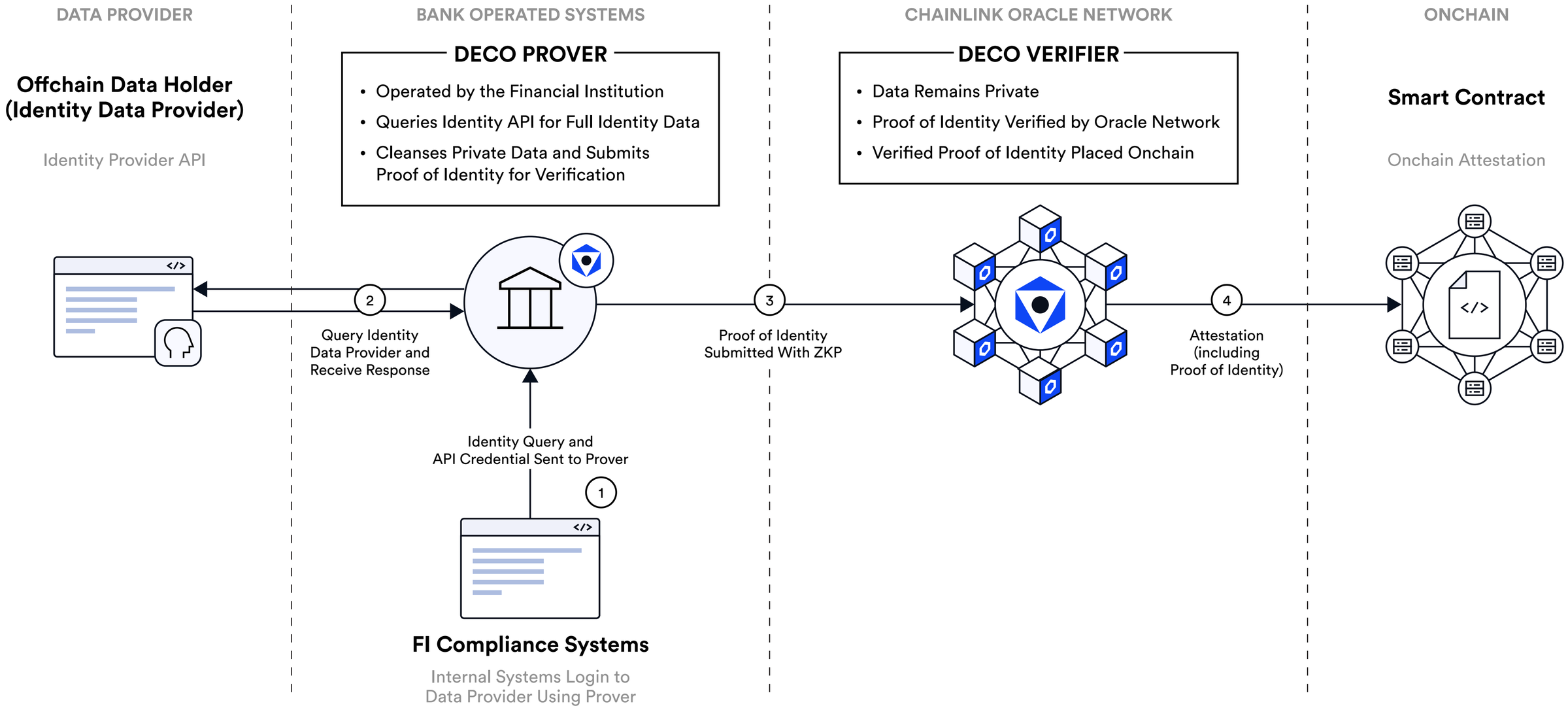
Sanctions Screening

example

Test DECO's sanctions screening capabilities by checking whether a company or individual appears on sanctions lists, empowering you to protect sensitive information and trial onchain time-stamped attestations under US and EU regulatory frameworks.

Rename | Duplicate | Delete

Proof of Identity Onchain With Full Data Privacy



Identity check

Overview

HTTPS Requests

Assertions on Private Fields

Template Variables

Runs

Advanced

Public Fields

Assertions on Public Fields

Configuration Editor

Settings

HTTPS Requests

DECO performs HTTPS requests during proof generation. Here, you can configure each request's URL, headers and body. Currently only JSON-encoded responses are supported!

1. GET https://withpersona.co...

Duplicate

Add request

Method

GET

URL

https://withpersona.com/api/v1/inquiries

Fetch

Method

DECO will call this URL.

Request Headers | Request Body | Response Headers | Response Body


```
{
  "data": [
    {
      "type": "inquiry",
      "id": "inq_RedZVVwtnfZYMWESP64H15BYK2eX",
      "attributes": {
        "status": "completed",
        "reference-id": null,
        "note": null,
        "behaviors": {
          "request-spoof-attempts": 0,
          "user-agent-spoof-attempts": 0,
          "distraction-events": 5,
          "hesitation-baseline": 79883,
          "hesitation-count": 6,
          "hesitation-time": 60066,
          "shortcut-copies": 0,
          "shortcut-pastes": 0,
          "autofill-cancels": 0,
          "autofill-starts": 0,
          "devtools-open": false,
          "completion-time": 97.455801008,
          "hesitation-percentage": 75.19246898589186,
          "behavior-threat-level": "low"
```

Unstructured Data into Structured Data via CALM

Financial and Market Infrastructure Standards

Chainlink

euroclear

Swift

Asset Managers

FRANKLIN TEMPLETON

WELLINGTON MANAGEMENT®

Banks and Custodians

UBS

caceis INVESTOR SERVICES

Vontobel

SYGNUM

Blockchains

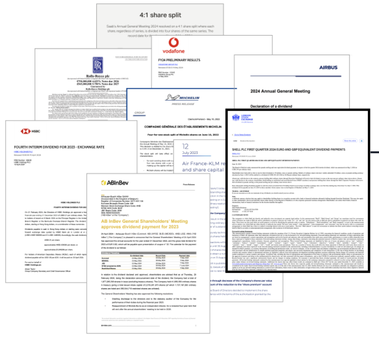
HYPERLEDGER BESU

AVALANCHE

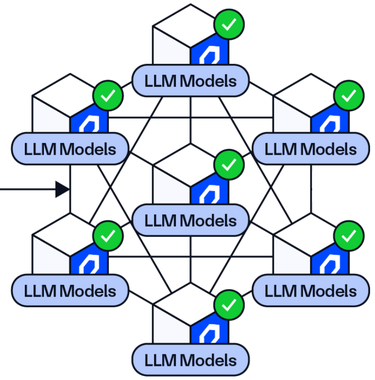
ZKsync

Unstructured Data into Structured Data via CALM

Asset Issuers:
Unstructured Data

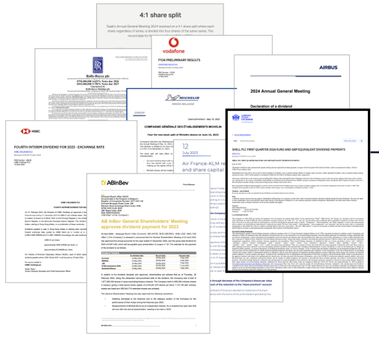


Oracle-Based
LLM Consensus



Unstructured Data into Structured Data via CALM

Asset Issuers: Unstructured Data



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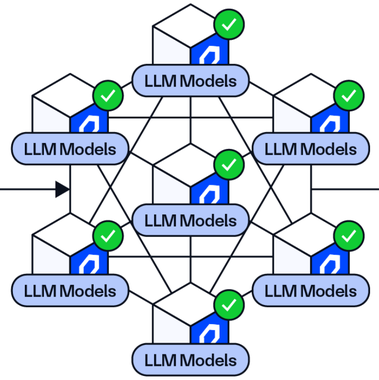


Unified Golden Record: Structured Output

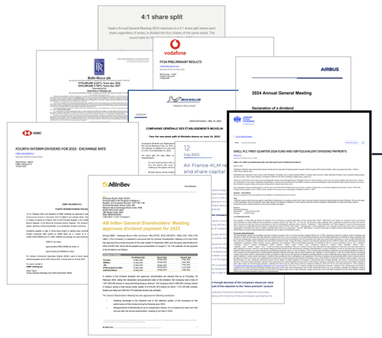
```
[
"issuer_name": "shell plc",
"share_class": "ordinary shares",
"document_report_date": "10/06/2024",
"corporate_actions": [
  {
  "event_type": "cash dividend",
  "declared_dividend_rate": "USD 0.344",
  "ex_date": null,
  "record_date": "17/05/2024",
  "payable_date": "24/06/2024",
  "eligible_balance": null,
  "hash": "a591a6d40bf420404a011733cfb7b190d62c65bf0bcda88b11d0f600e0b3c8a2",
  "url_to_doc": "https://",
  "consensus": ["OpenAI", true, "Claude", true, "Gemini", true],
  "state": "unconfirmed"
  }
 ]
]
```

</>

SMPG STANDARDS

Unstructured Data into Structured Data via CALM

Asset Issuers: Unstructured Data



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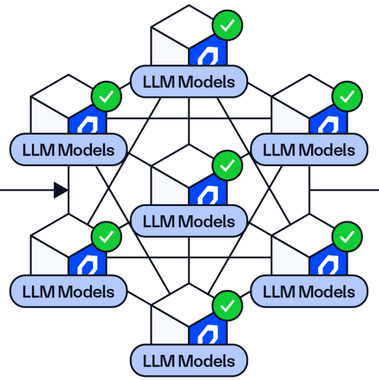

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  }
 ]
]
```

</> SMPG STANDARDS

Distribution

Chainlink CCIP

Swift (ISO 15022) (ISO 20022)

Consumption

- Asset Issuers
- CSDs
- Custodians
- Asset Managers
- ...

Hyperledger Besu

Avalanche

ZKsync

CHAINLINK DATA LAYER
Market Prices
Reference Data
Identity Data
Net Asset Value
Proof of Reserve
Risk Rating
Any/All Other Data
Writing Key Data Into
RWA Smart Contracts
Blockchain
Privacy Manager
BLOCKCHAIN A
Synchronizing Smart Contracts
with Existing Backend Systems
Swift
Existing Financial
Market Infrastructures
Global
Banks
Asset
Managers
Clearing & Settlement
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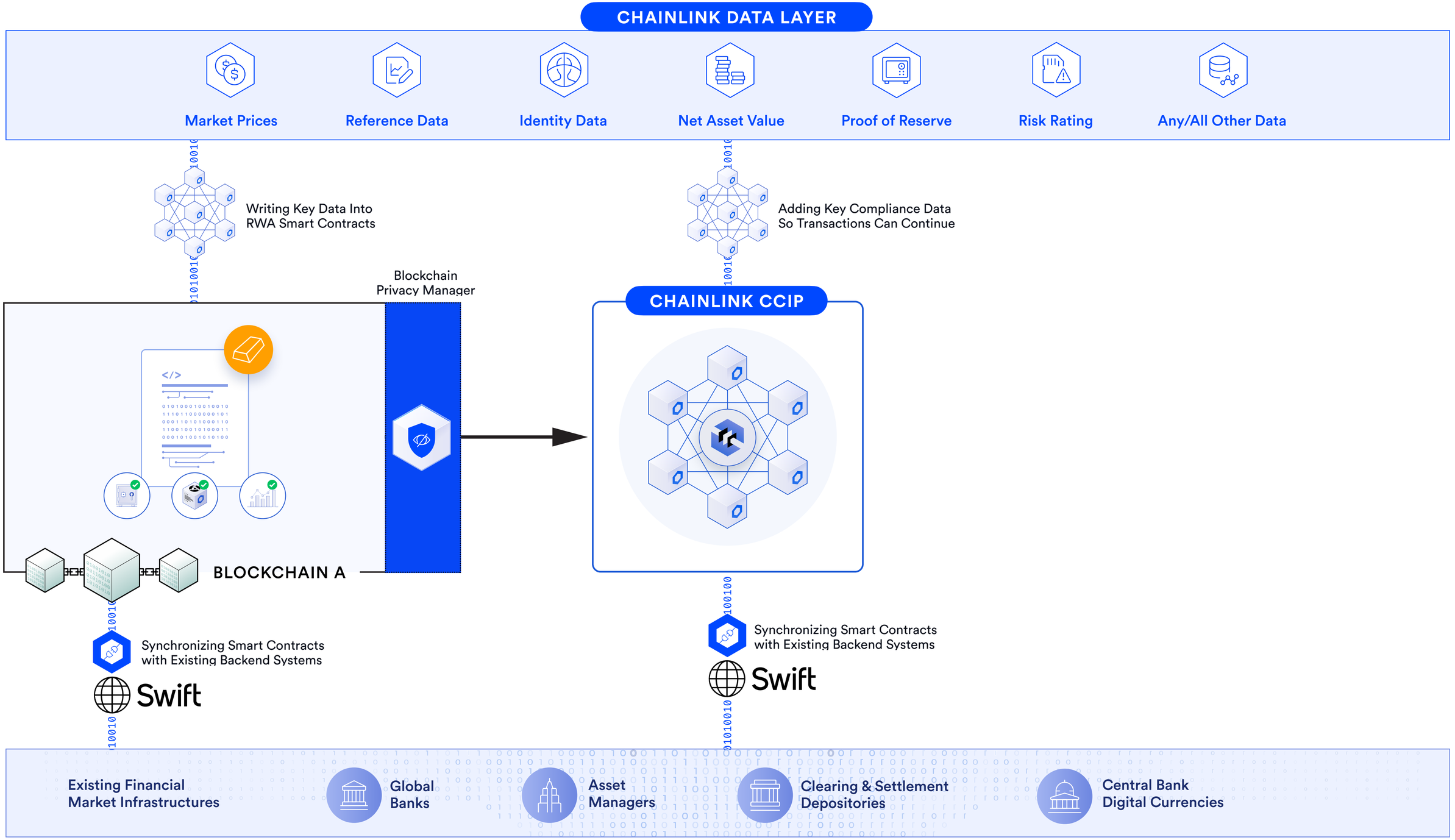
Central Bank
Digital Currencies


CHAINLINK DATA LAYER
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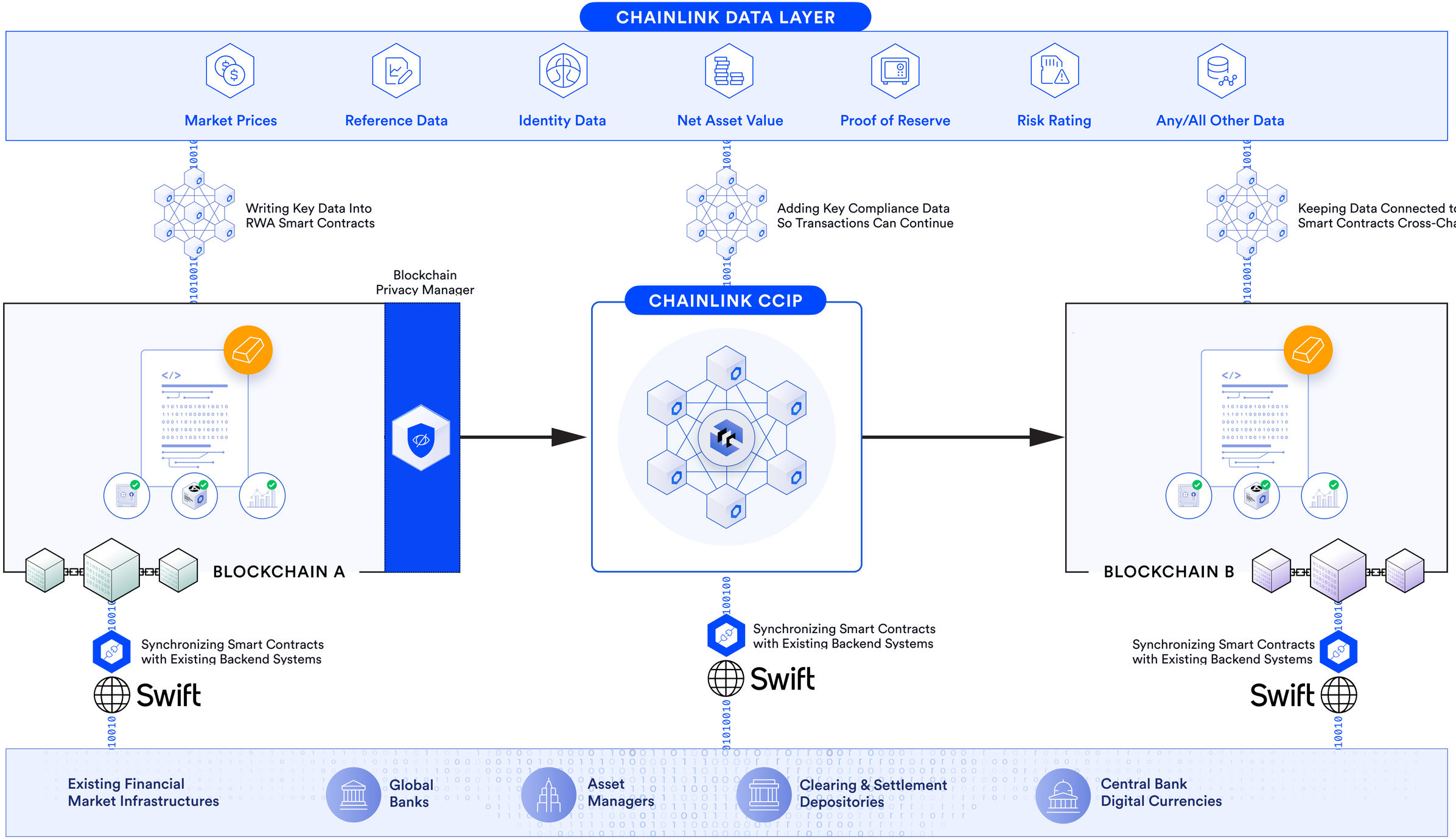
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Asset Managers
Clearing & Settlement Depositories
Central Bank Digital Currencies

More from Chainlink

TODAY

How AI and DLT Can Enhance Corporate Actions

3:00 - 3:30 PM • Standards Forum • Angie Walker

TOMORROW

Identity and Digital Identity - Reshaping Cross-Border Ecosystems by Unleashing the Value of the Legal Entity Identifier (LEI) and Verifiable LEI (vLEI) by Global Legal Entity Identifier Foundation (GLEIF)

9:30 - 10:30 AM • Workshop RM 303 • Sergey Nazarov

The Network Effect: Unlocking New Opportunities Through Network Interoperability

11:30 - 12:15 PM • Conference Stage 3 • Sergey Nazarov

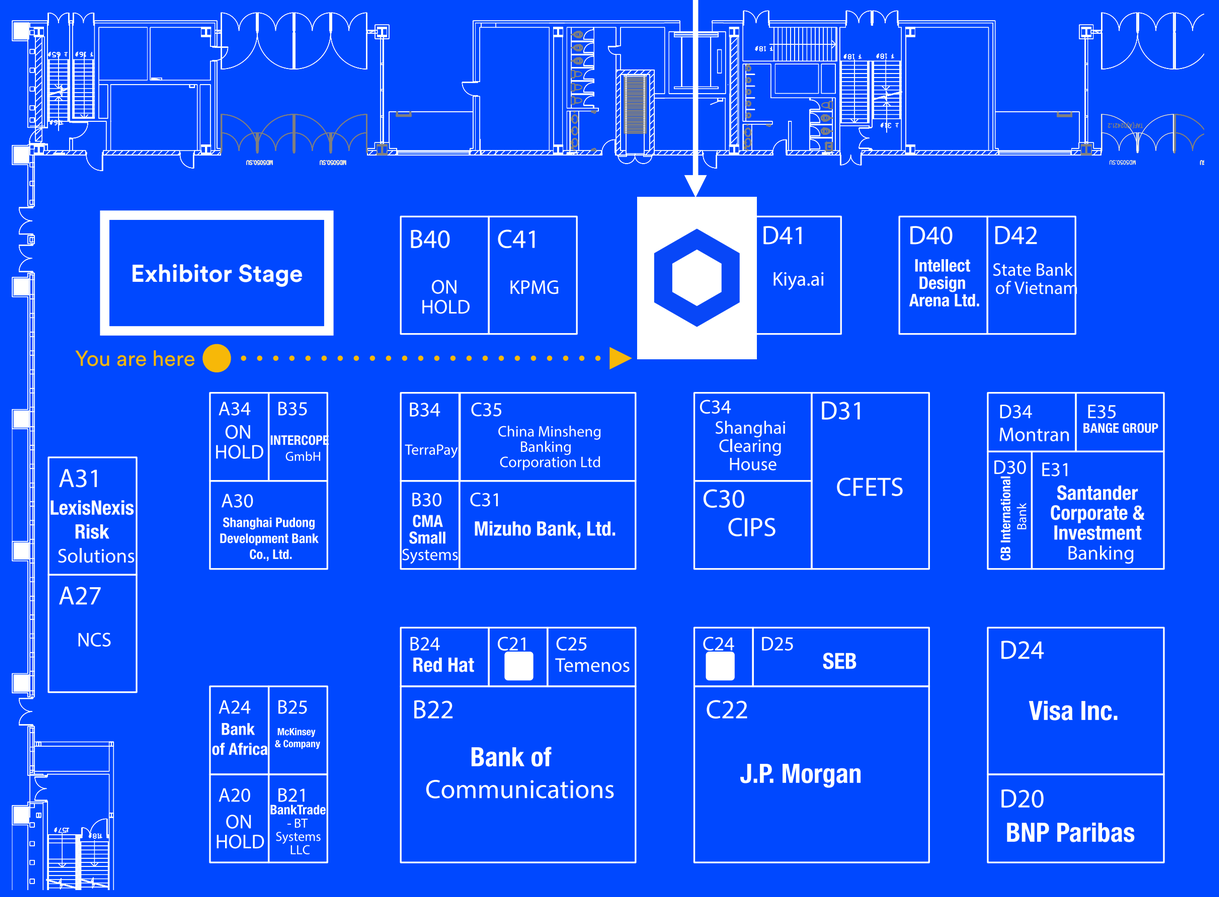
TODAY

Chainlink Happy Hour at Sibos

4 - 6 PM • Stand C40

Chainlink

Thank You

Disclaimer: This presentation is for informational purposes only and contains statements about the future, including anticipated programs and features, developments, and timelines for the rollout of these programs and features. These statements are only predictions and reflect current beliefs and expectations with respect to future events; they are based on assumptions and are subject to risk, uncertainties, and change at any time. There can be no guarantee that any of the contemplated programs or features will be implemented as specified nor any assurance that actual results will not differ materially from those expressed in these statements, although we believe them to be based on reasonable assumptions. All statements are valid only as of the date first presented. The statements in this presentation also may not reflect future developments due to user feedback or later events and we may not update this presentation in response.

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