



Hyperledger In-depth with Instnt:

Enabling Portable KYC for Financial Institutions



Justin Kamerman

Chief Product Officer



Soubhratra Das

VP, Engineering

Digital Customer Onboarding Is Broken

40%

or more of good customers are rejected due to vendor orchestration rules and automated system false-positives causing financial exclusion

Why ⚡ instnt ?

Risk-based Approach:

**Loss liability indemnification of up to
\$100M**

Why ⚡ instnt ?

Managed Service

Why ⚡ instnt ?

Low/No Code Integration

Why ⚡ instnt ?

Pay for performance

Centralized Identity Management

- Sovereign
- Issuers are Verifiers
- Identifiers
- Portability
- Privacy
- Cybersecurity Risk

Decentralized Identity Management

- Self-Sovereign
- Issuers and Verifiers
- Identities
- Portability
- Privacy
- Cybersecurity Risk



Why  instnt ?
Access™

Hybrid centralized/decentralized
implementation building on Instnt Accept

Why  instnt ?
Access™

Portable KYC and frictionless
compliance

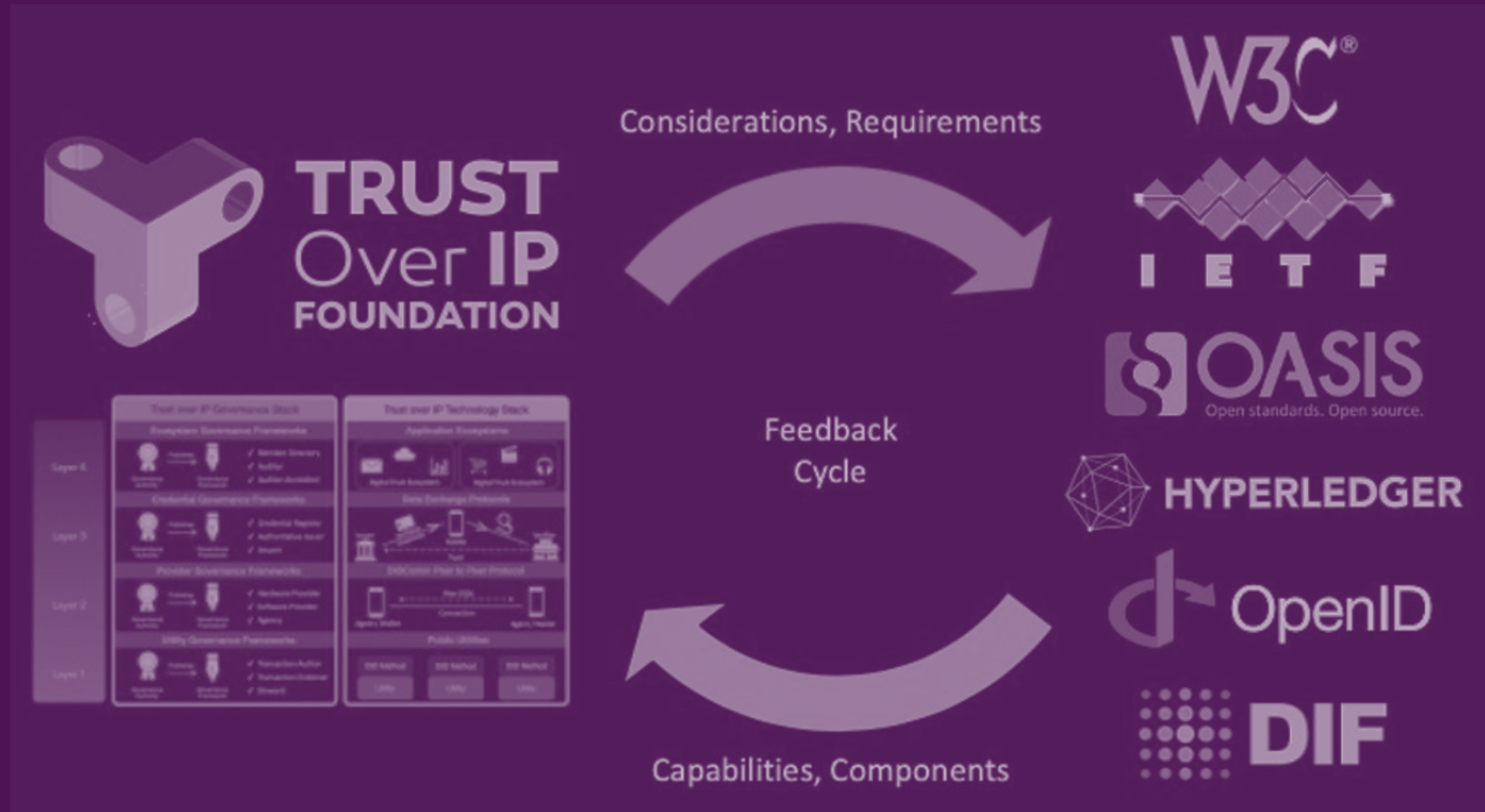
Why instnt ? Access™

**Governance frameworks and
standardized level-of-assurance LoA**

Why  instnt ?
Access™

Passwordless Login
Product Silos

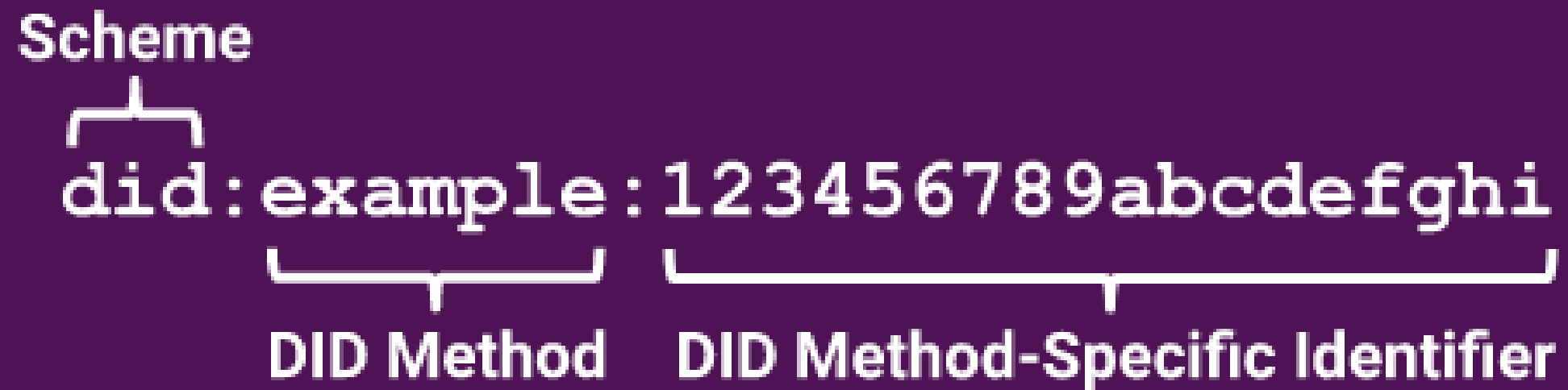
The Ecosystem



Foundation

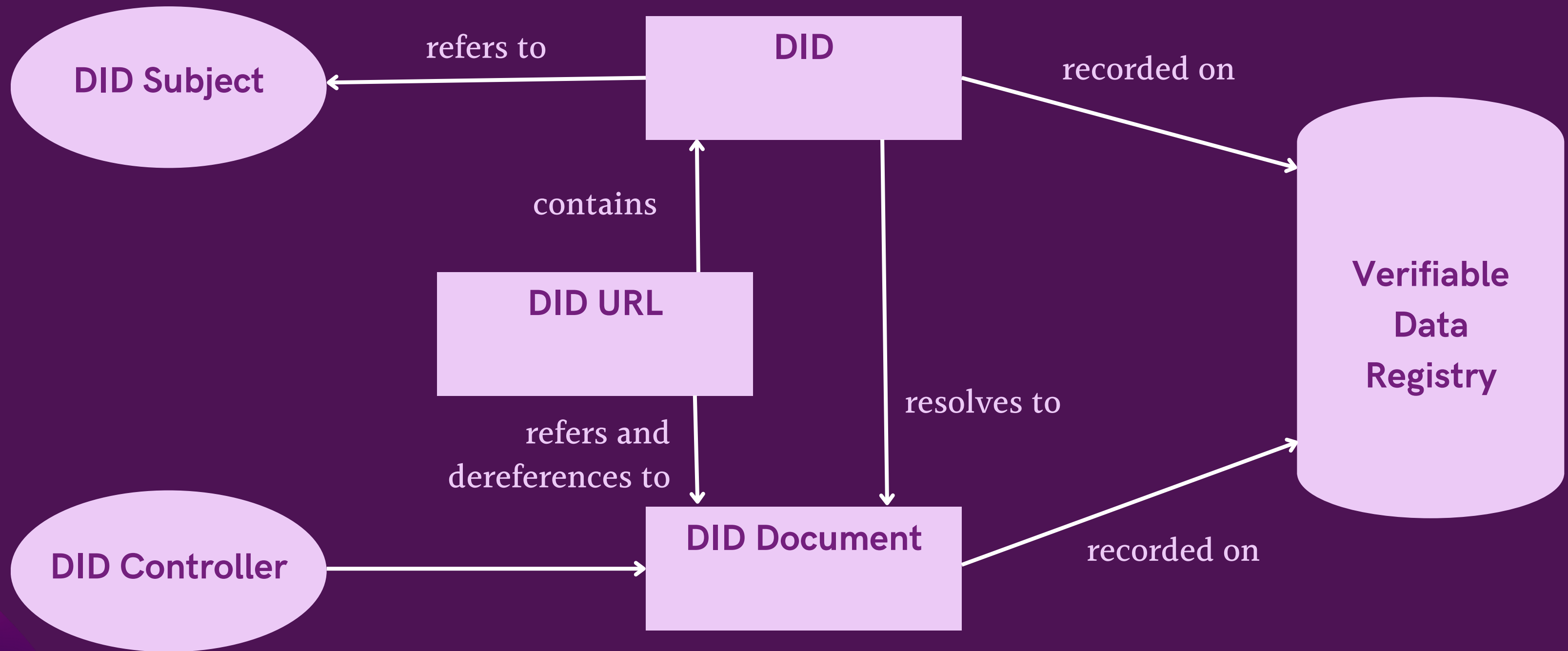
- Distributed Ledger Technology / Blockchain
- Decentralized ID (DID)
- DIDComm protocol
- Verifiable Credential (VC)
- Level of Assurance (LOA)
- JSON-LD Schema

Decentralized ID (DID)



- Permanent
- Resolvable
- Cryptographically verifiable
- Decentralized

DID Architecture



Verifiable Credential

Verifiable Credential

Credential Metadata

Claim(s)

Proof(s)

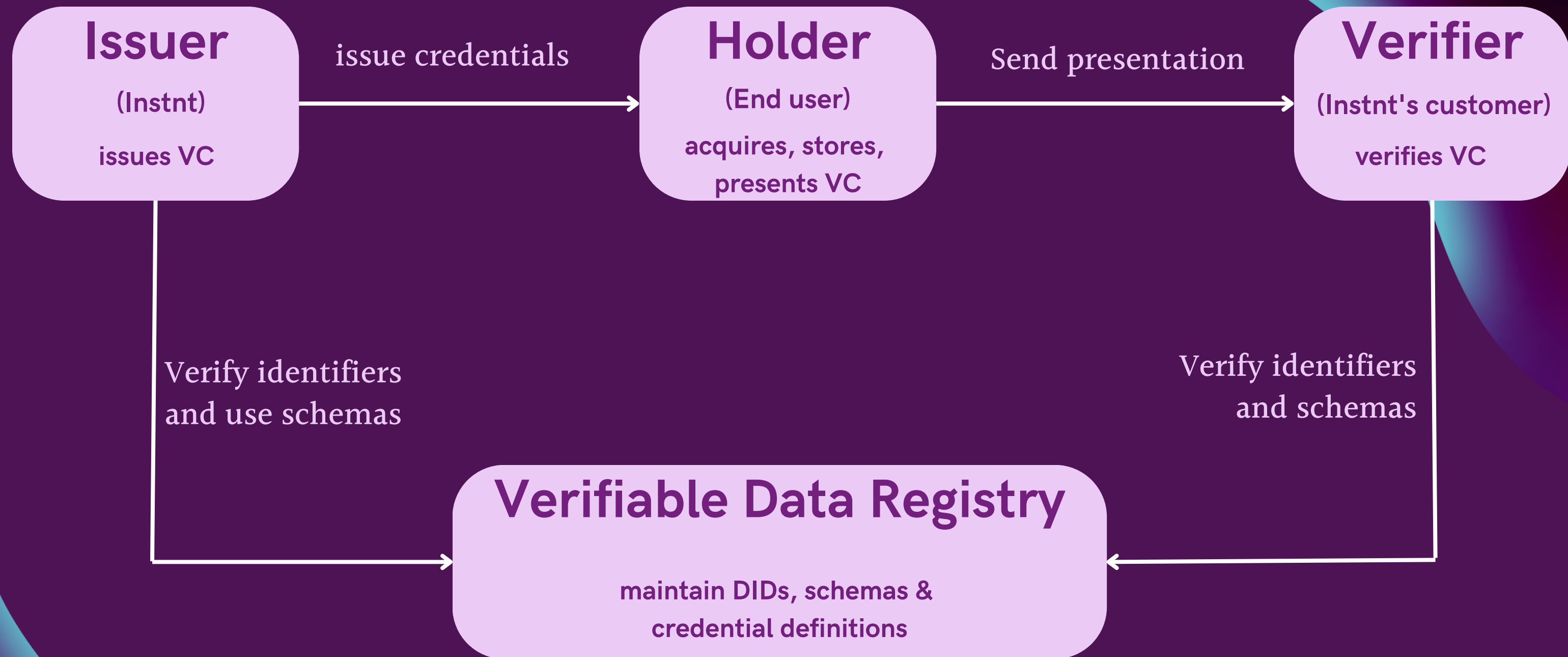
Verifiable Presentation

Presentation Metadata

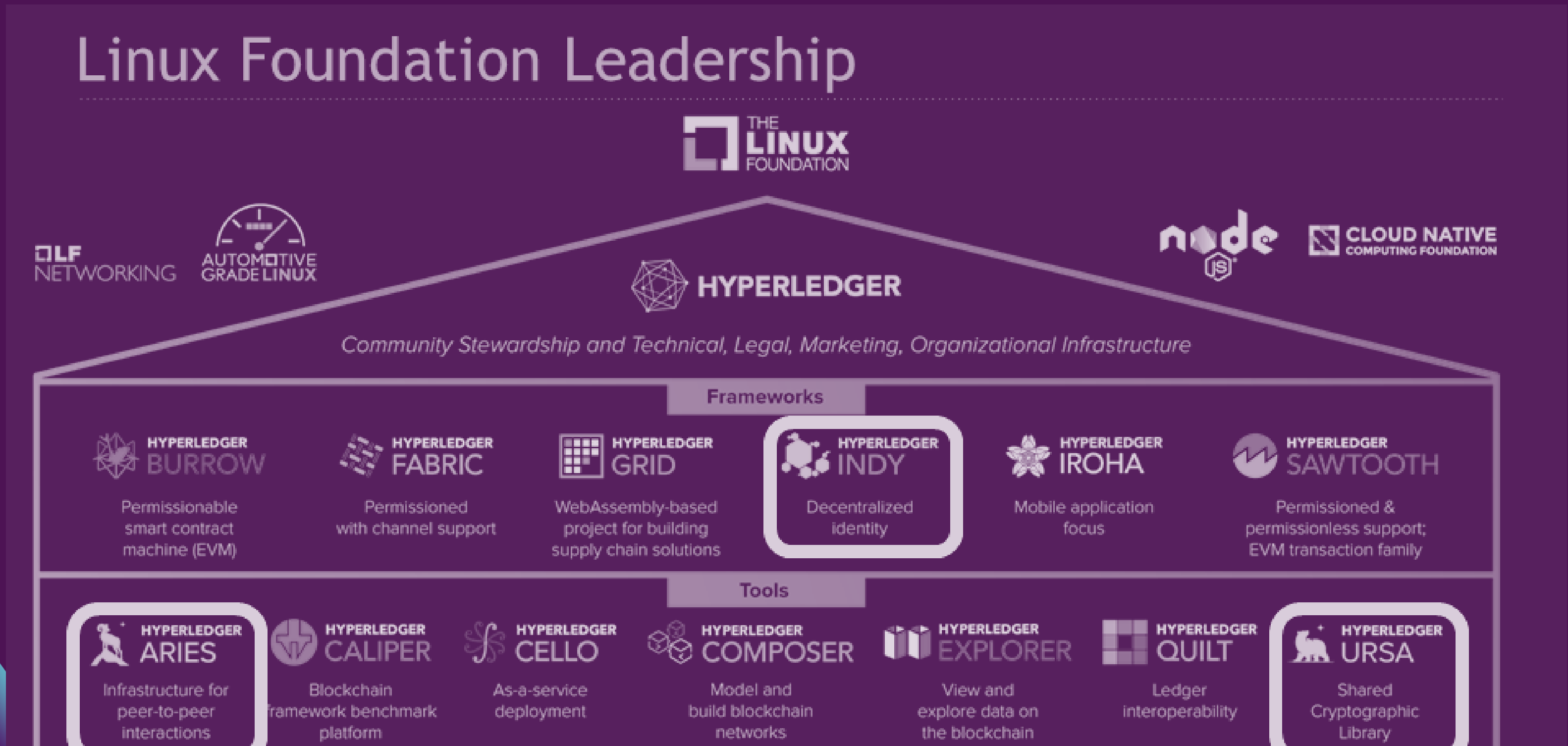
Verifiable Credential(s)

Proof(s)

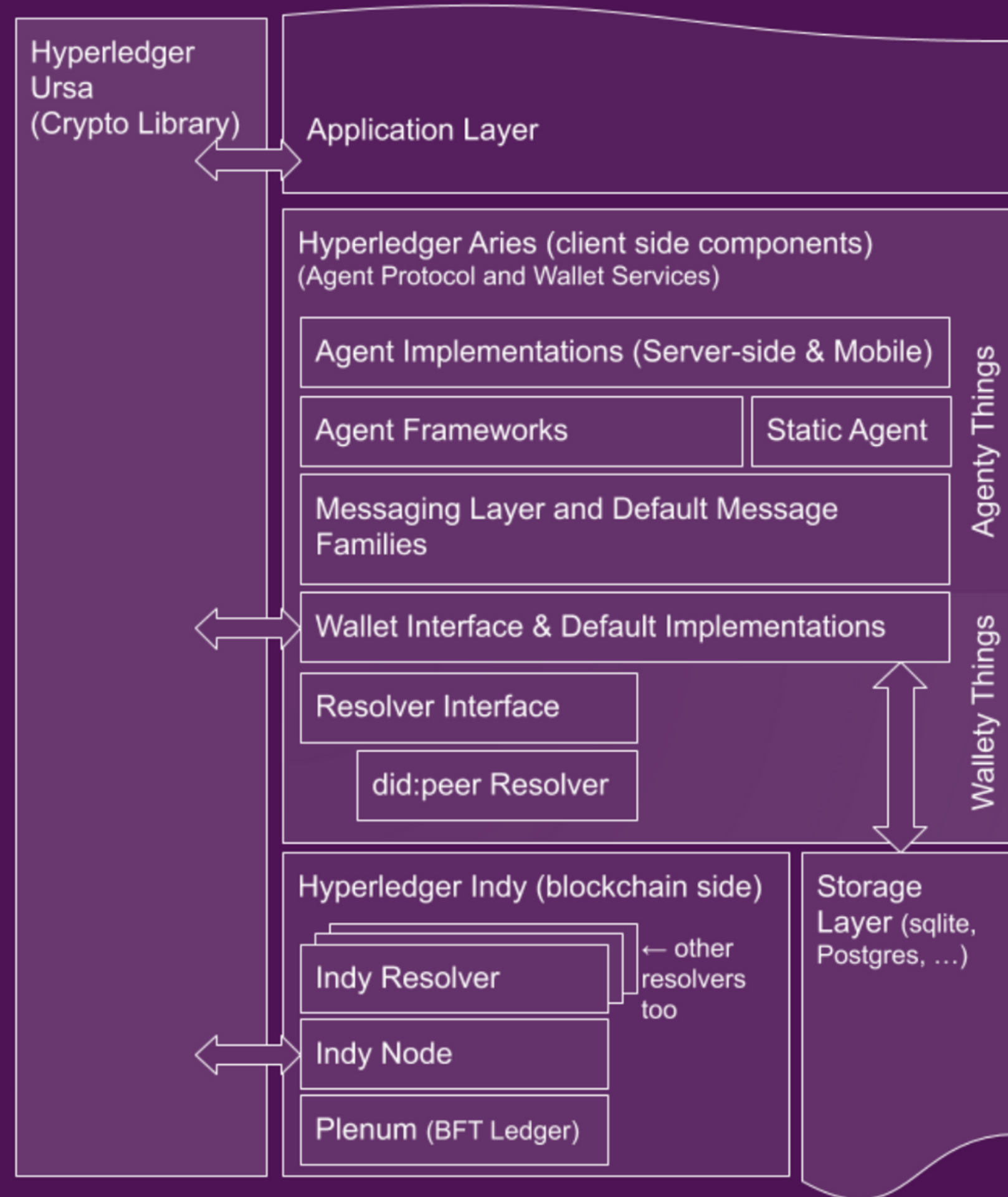
Roles and Information Flow



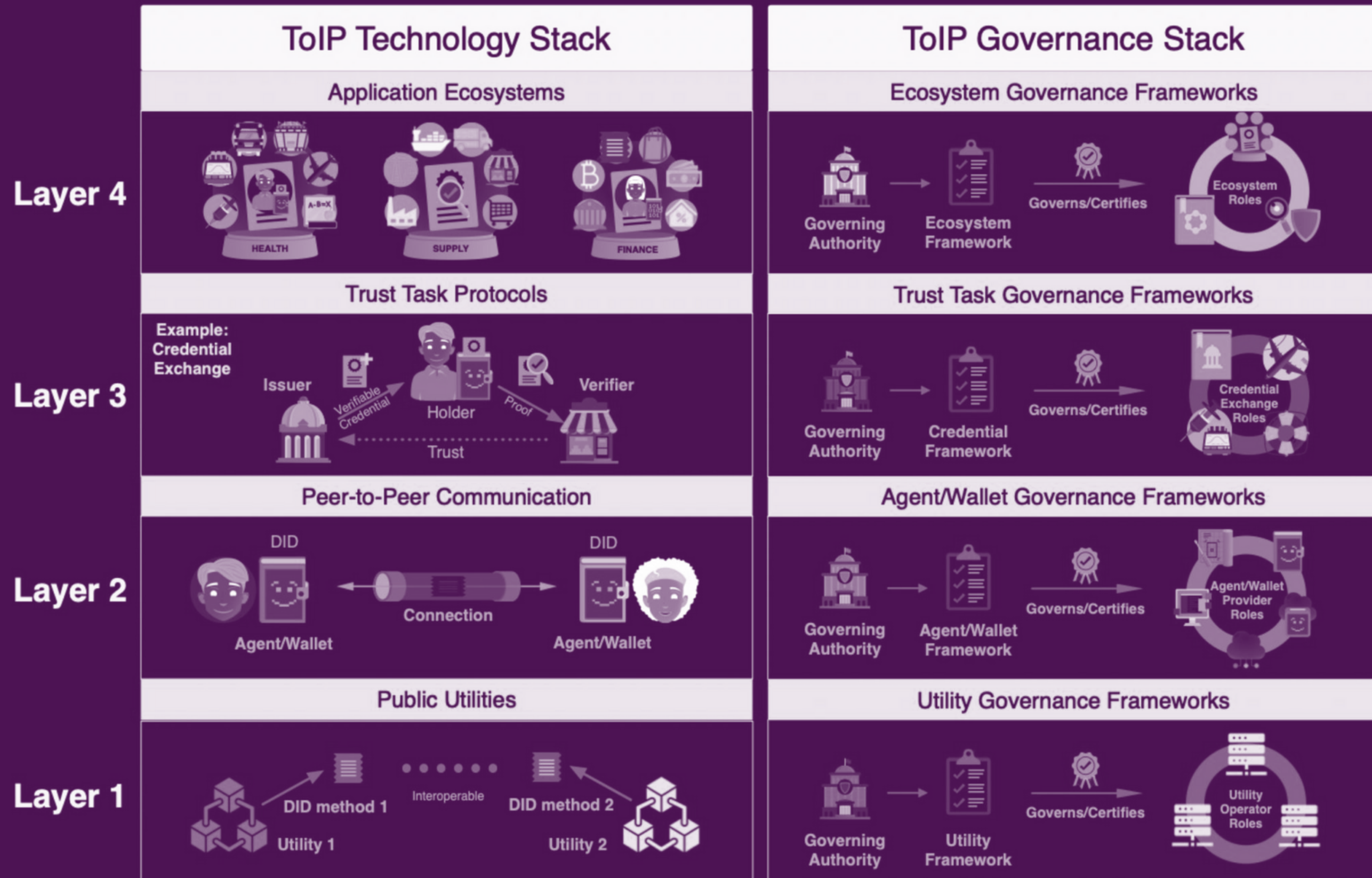
Hyperledger Tools & Frameworks



Hyperledger Identity Stack



Trust Framework



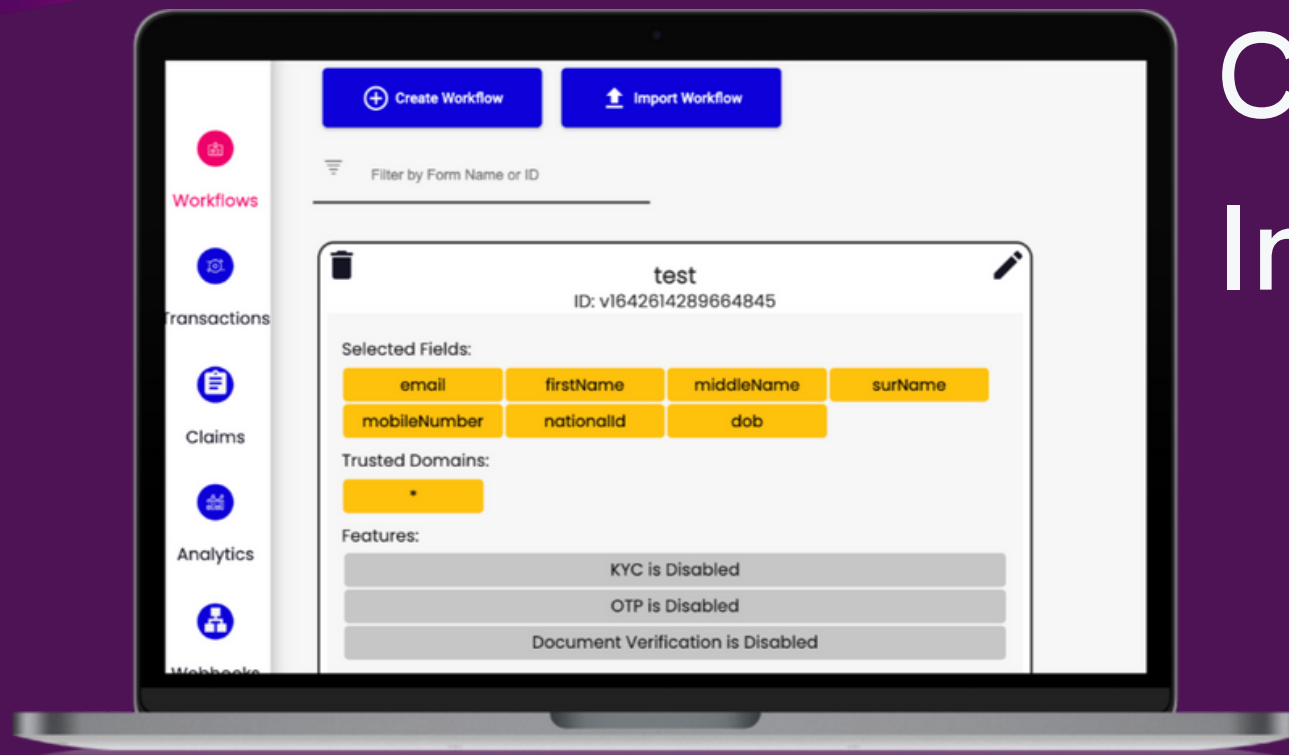
Perfect Synergy

Instnt provides identity assurance which is a critical precursor of Identity management

With the help of Hyperledger tools Instnt now enables end user to own their identity

Enabling Instnt Access

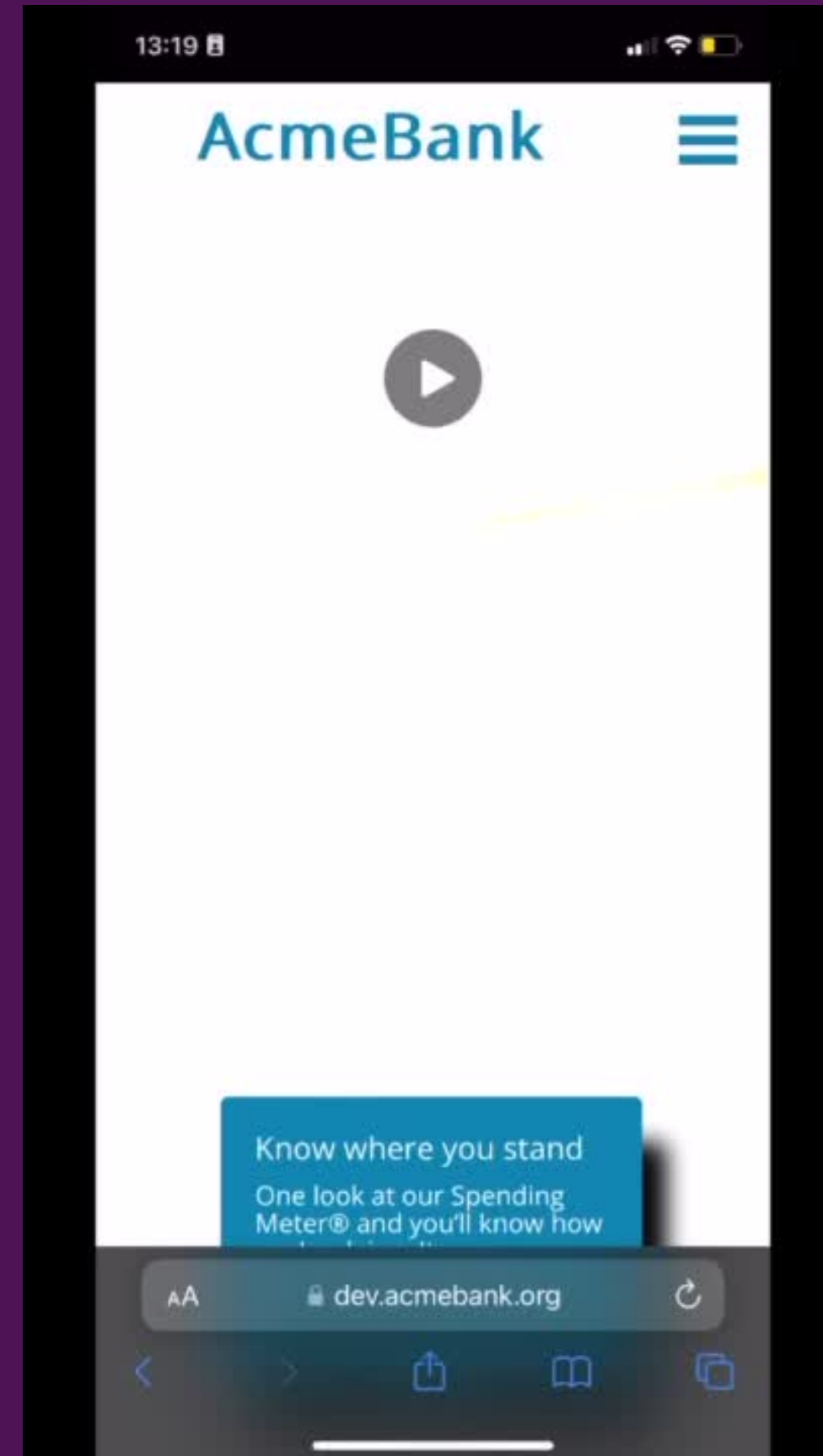
Customers enable Access on Instnt Dashboard



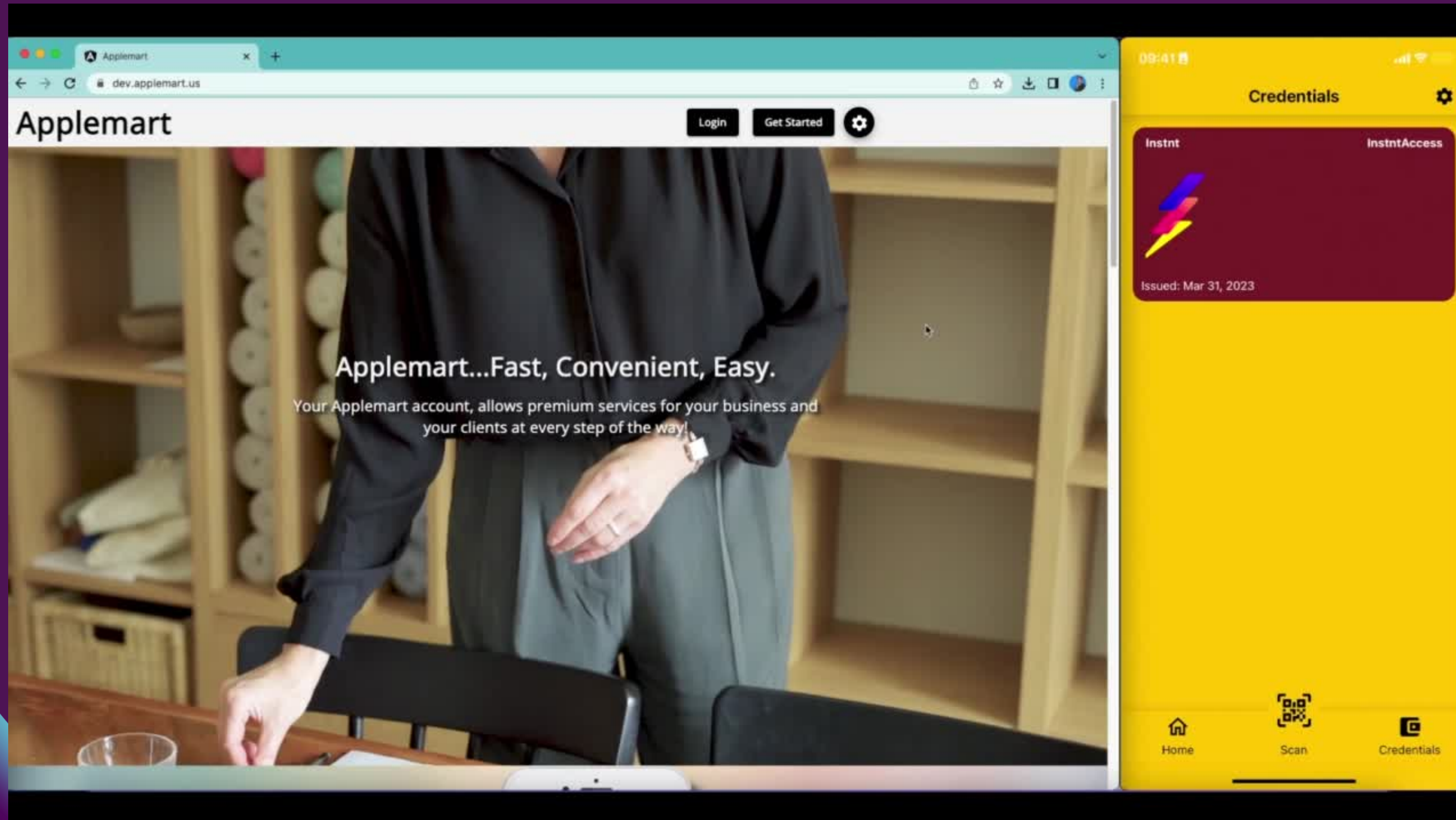
Users store credentials in Instnt powered wallet



How it works



Single signup



Instnt Dashboard

The screenshot displays the Instnt accept dashboard interface. At the top left is the logo, and at the top right is a user profile for Justin Admin. A sidebar on the left contains navigation icons for Workflows, Transactions, Claims, Analytics, Webhooks, and Manage Users. The main content area is titled 'Justification - Summary' and includes a confirmation message, profile details for Ramona Hawkins, transaction details, and a summary of justification rules categorized into Positive (5), Negative (0), and Neutral (4).

instnt accept™ Justin Admin

< All Transactions

Justification - Summary

Justification KYC Documents Devices Biometrics Velocity Models Verifications

✔ This transaction was approved.

Profile Details

Name: Ramona Hawkins
Email: rh@aol.com
Mobile: +18505903218
Date of Birth: 1950-01-01
National ID: ***-**-3123
Address: 9 Ridgewood St.
Romulus, MI 41874

Transaction Details

Timestamp: 2023-04-02T19:14:10.235113Z
Transaction ID: 6794a69a-fc86-425d-8c3c-1d6137f808b8
Workflow ID: v1654776992594072

POSITIVE (5)	NEGATIVE (0)	NEUTRAL (4)
PA103 City matches		EE102 Email address is free
PE100 Email matches		PE101 Email valid and mainDomain
PN100 LastName exact match		PN102 Name is a person
PN101 Name matches		PP102 Phone age > 180 days
PP100 Phone number matches		



instnt

Benefits

- Fraud loss indemnification
- Frictionless onboarding
- Portable KYC
- Open Standards
- Managed service
- Account Monitoring

Instnt helped a leading retail lender drive \$11M of fraud losses to Zero and accommodated growth with up to \$20M in fraud loss liability shift

	FRAUD EXPOSURE*	OPEX COST	TOTAL COST
CURRENT STATE (Without Instnt)	\$10.8M	\$516K	\$11.3M
With Instnt	\$0	\$7M	\$7M

TOTAL COST SAVINGS WITH INSTNT: \$4.3M

	TOTAL FUNDED CUSTOMER APPROVALS (out of 133K Applicants)	REVENUE (assumed 1.4x funded value)
CURRENT STATE (Without Instnt)	50K [38%]	\$104M
With Instnt	90K [68%]	\$188M

TOTAL GAINS WITH INSTNT: \$24.2M

The Road Ahead

- IETF Governance Framework
- Standardization of KYC Level-of-Assurance
- Digital Services Marketplace
- Partnership with OSS communities



More Customers.
Less Friction.
Zero Fraud Losses.
In Minutes.

<https://www.instnt.org/book-a-demo>