Federation, Decentralized Identity & the Interoperability of Trust

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OpenID Foundation: Non-Profit, Global Open Standards

Vision: Help people assert their identity wherever they choose.

Mission: Lead the global community in creating identity standards that are secure, interoperable, and privacy preserving.

Billions

Of Users, Millions of Applications

Login, Open Data, Open Health, **Digital Identity**, Shared Signals

Government Partners

Hundreds of Public + Private Members

CHICAGO ADVISORY PARTNERS
CISCO
Google
KDDI
Microsoft
NRI SECURE
okta
Ping Identity
verizon
VISA
yahoo!

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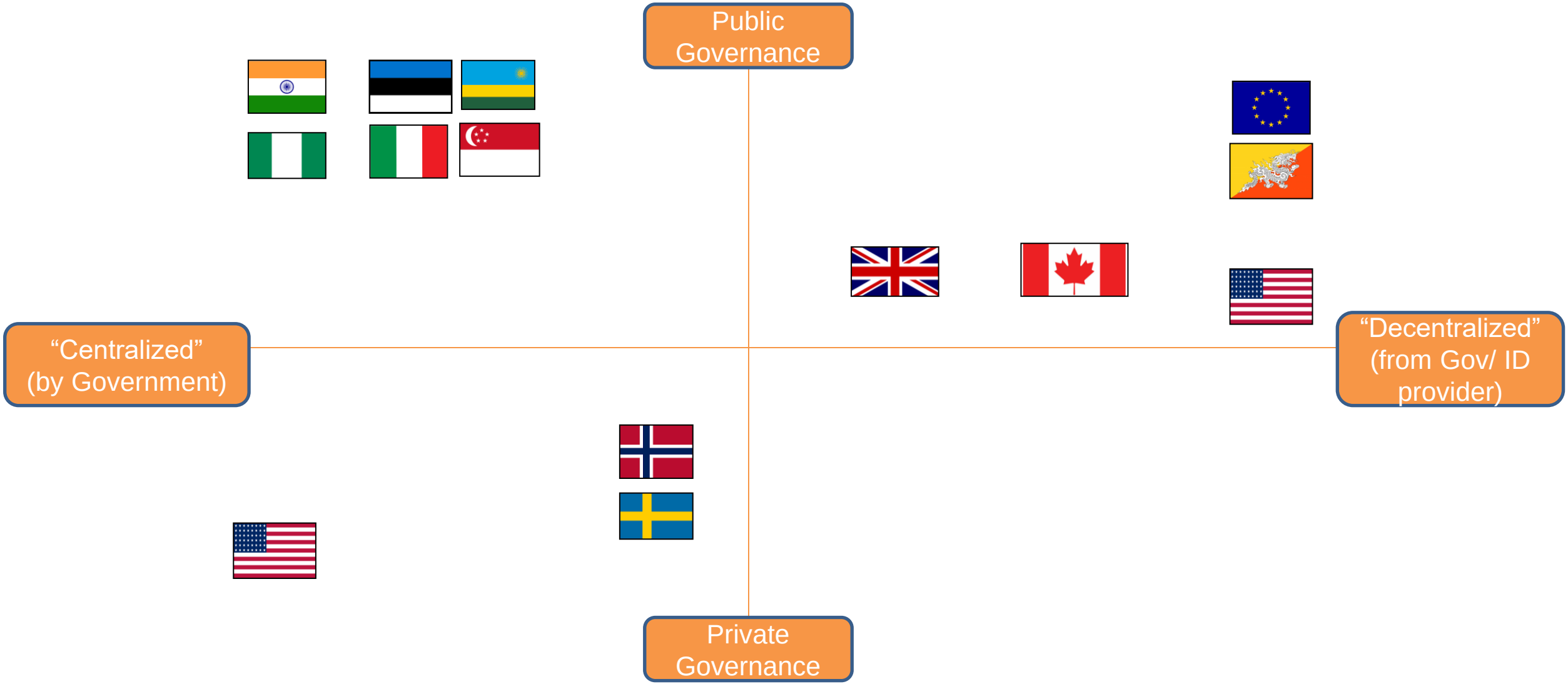
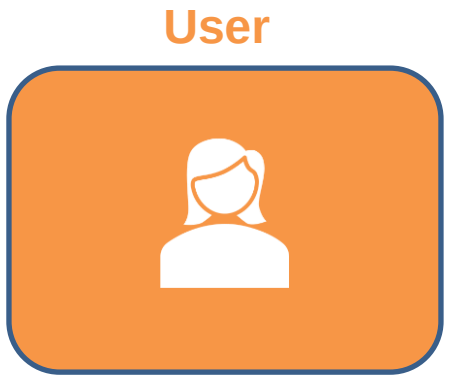
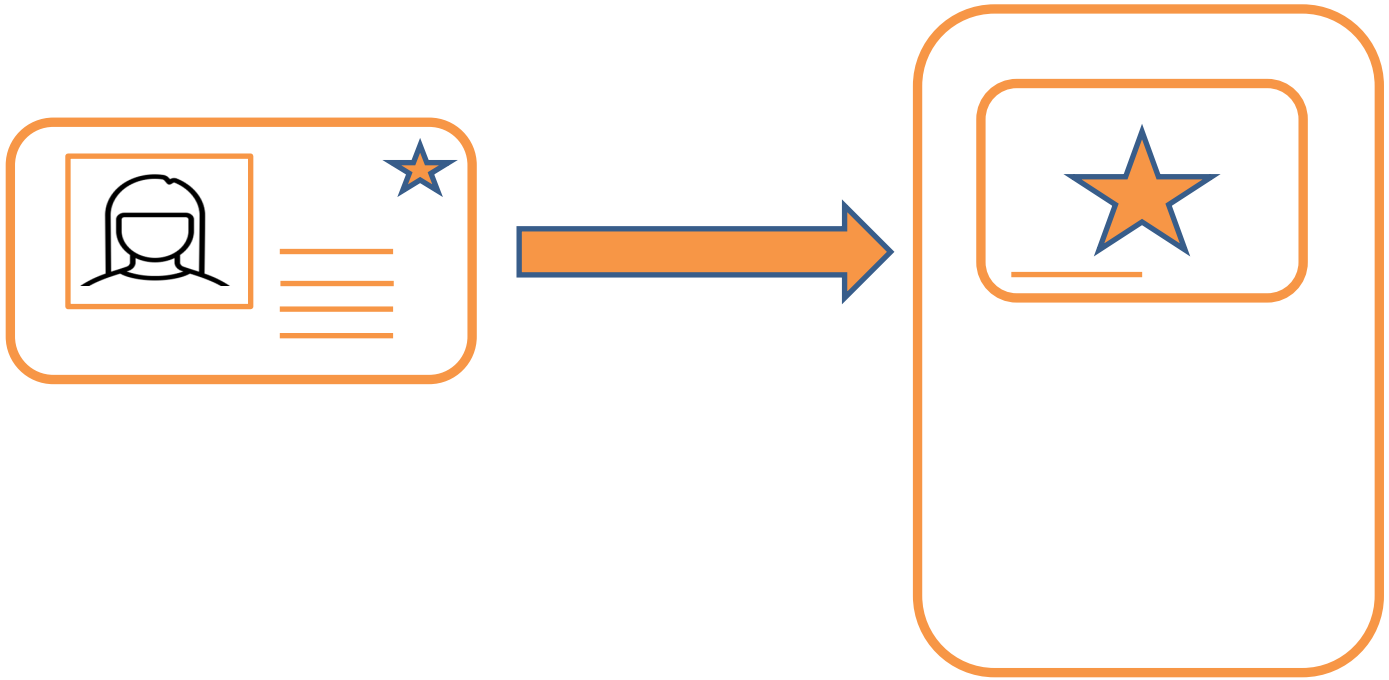
“Human Centric Digital Identity for Government” Paper



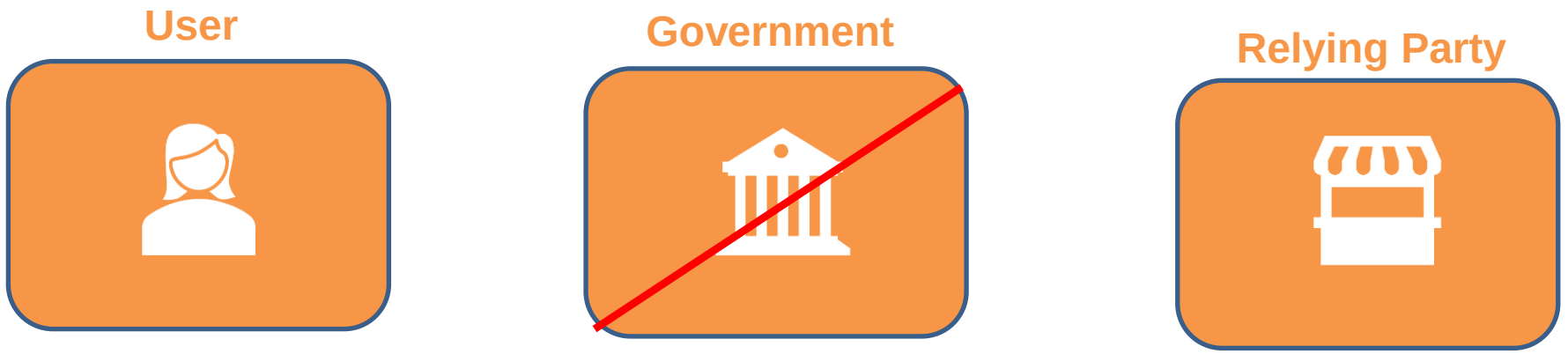
Digital Identity Benefits



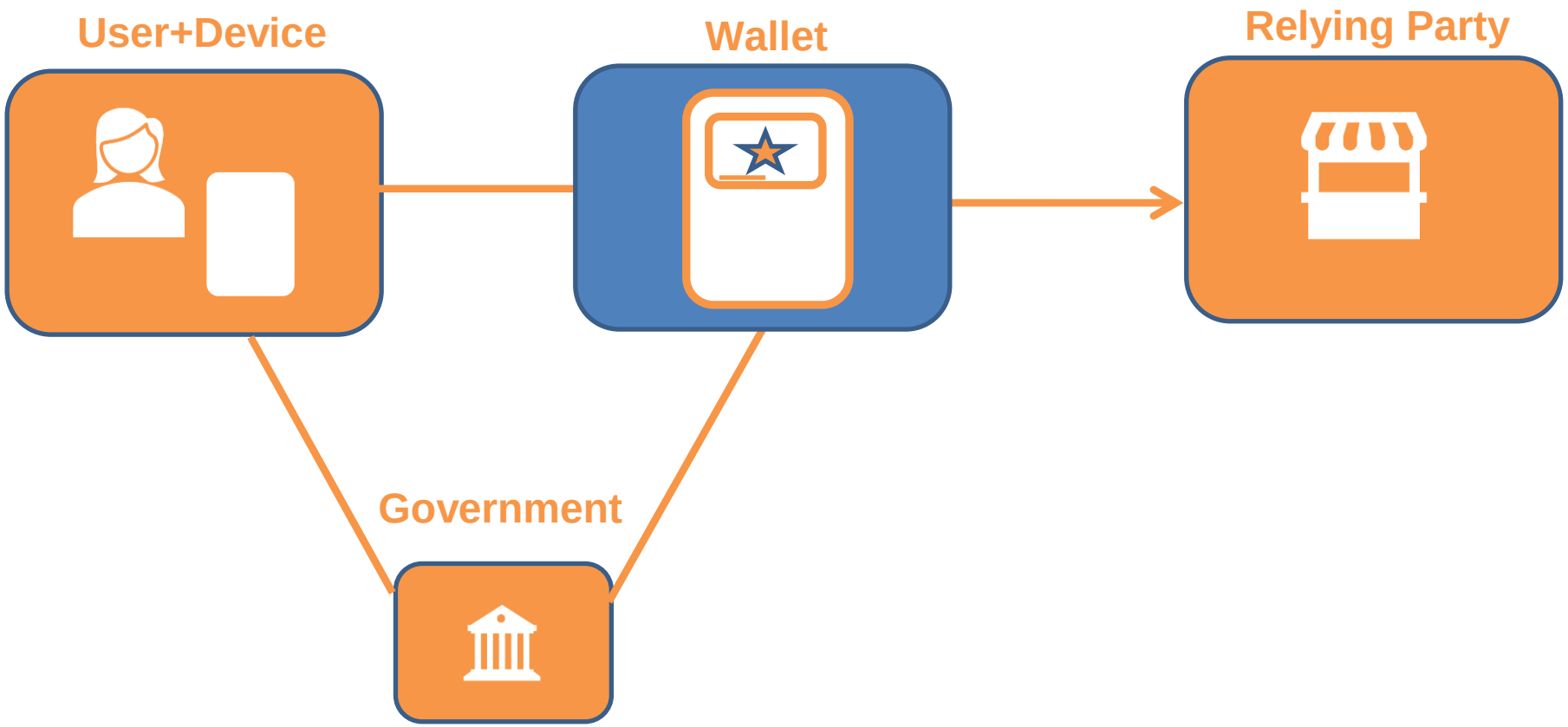
The US Journey from Physical ID to Digital ID



Government “Centralized” Model Privacy Concerns

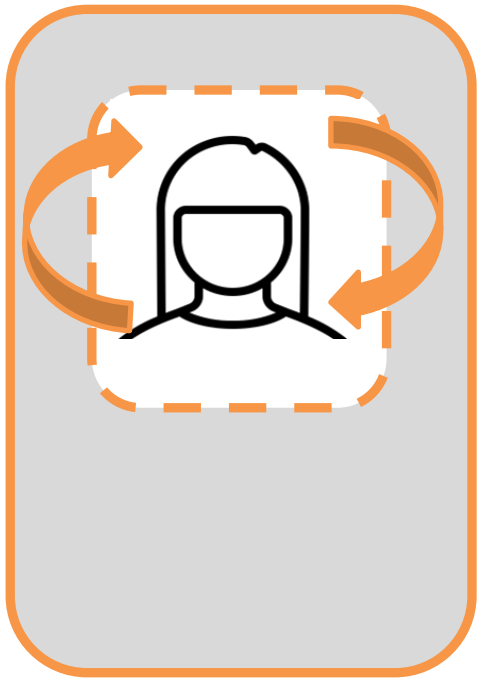


“Decentralized” from Government, “Recentralized” in Wallet



Easy for User to Set-Up Digital ID

User scans ID

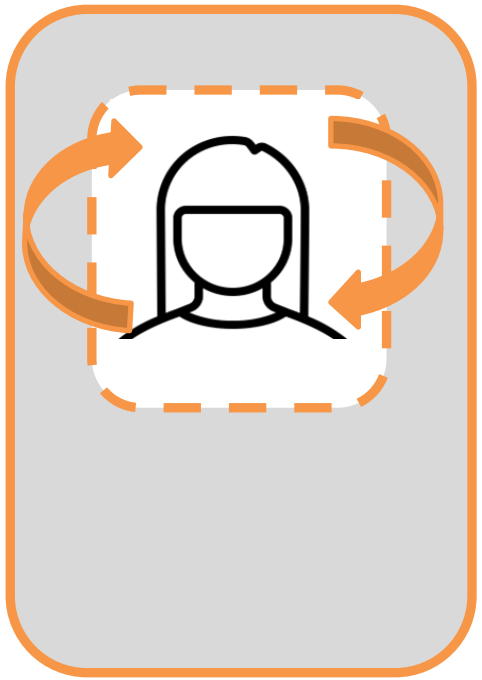


Liveness,
Selfie

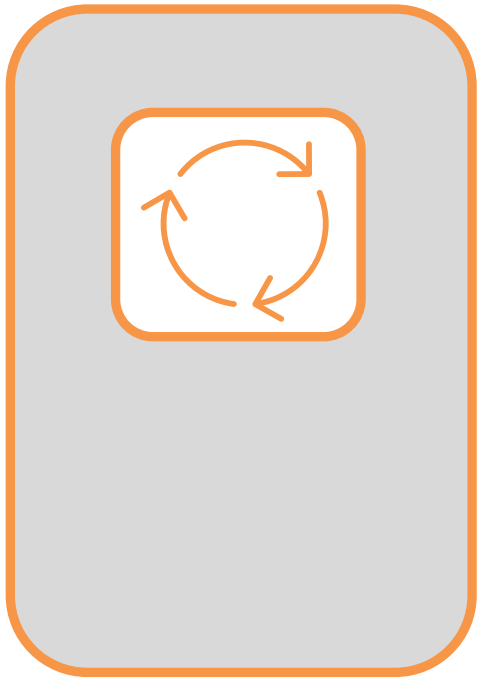
Easy for User to Set-Up Digital ID

User scans ID

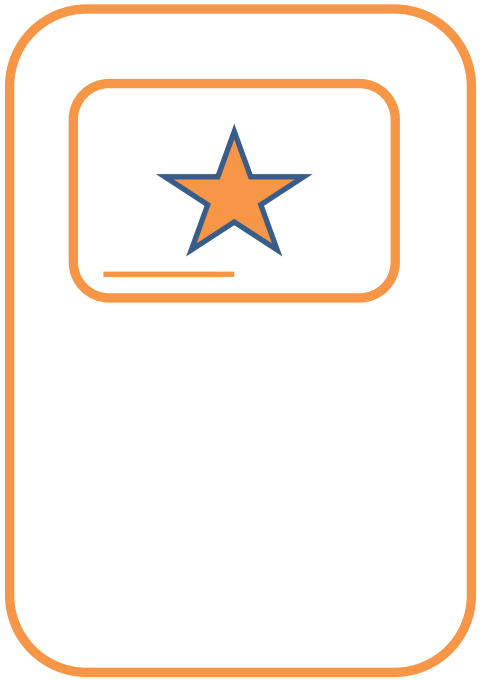
Liveness & Selfie



Liveness, Selfie

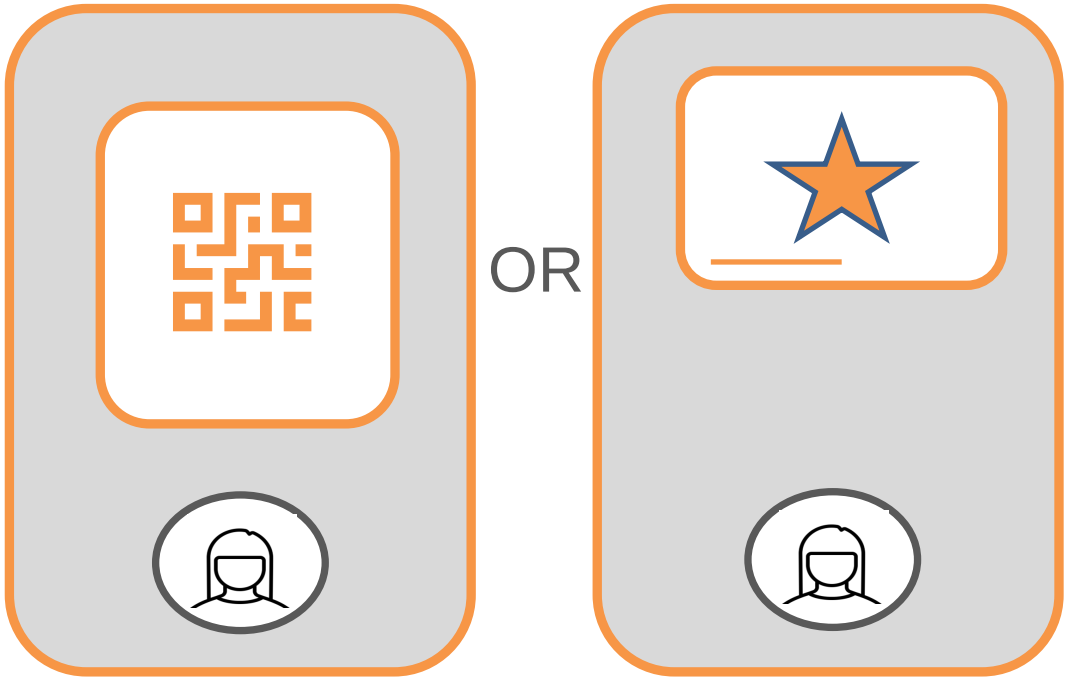


Record Check & Decision



Device Binding, Storage, & Lifecyle

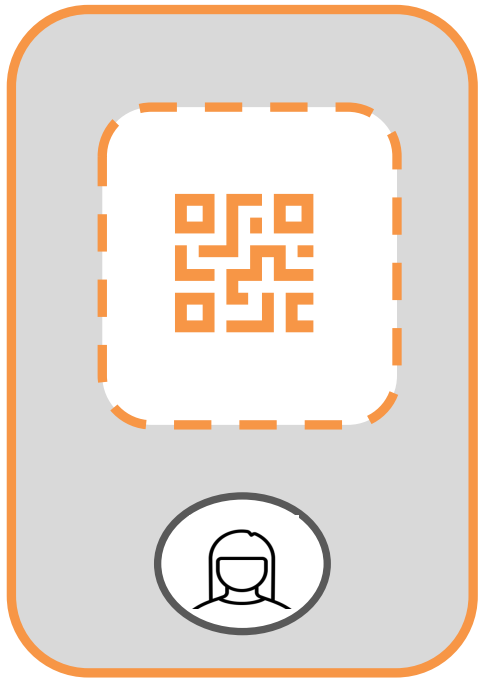
User Presents Credential In Person



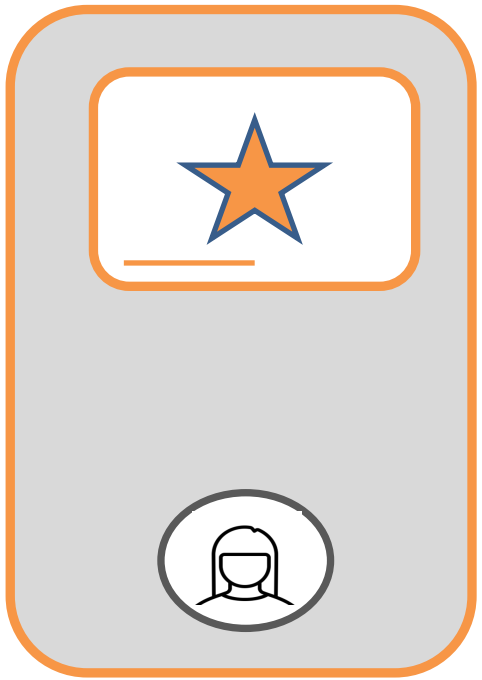
QR Code,
Secure channel,
Unlock ID

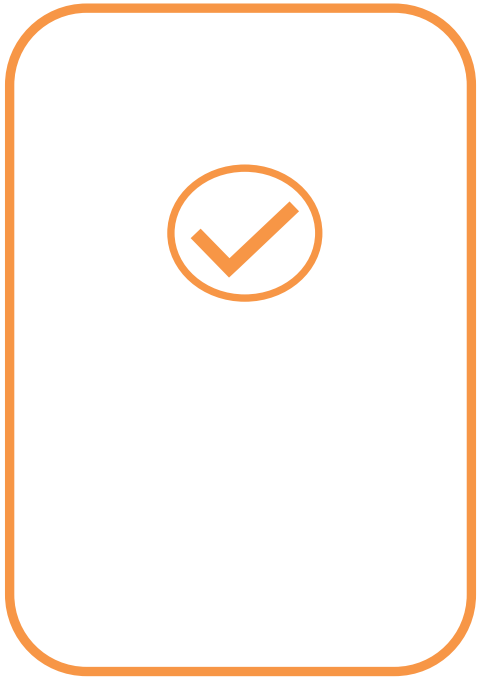
NFC, Secure
channel,
Unlock ID

User Presents Credential In Person



OR





QR Code, Secure channel, Unlock ID

NFC, Secure channel, Unlock ID

Data requested, User decision, (Meta data or bundle)

Confirm & Receipt

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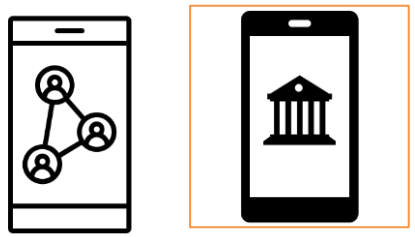
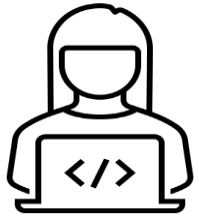
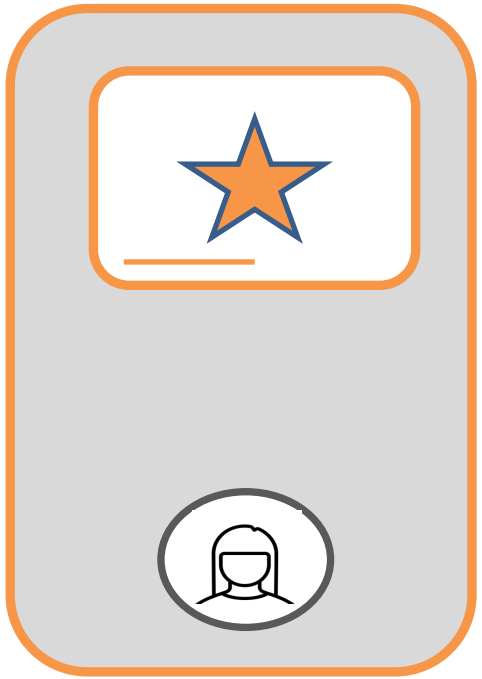
User Presents Credential Online *(Draft standards)*



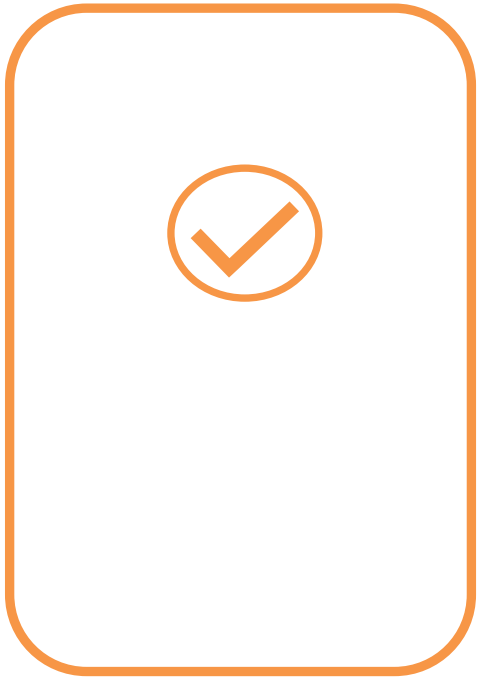


Relying Party Enables App or Browser Flows



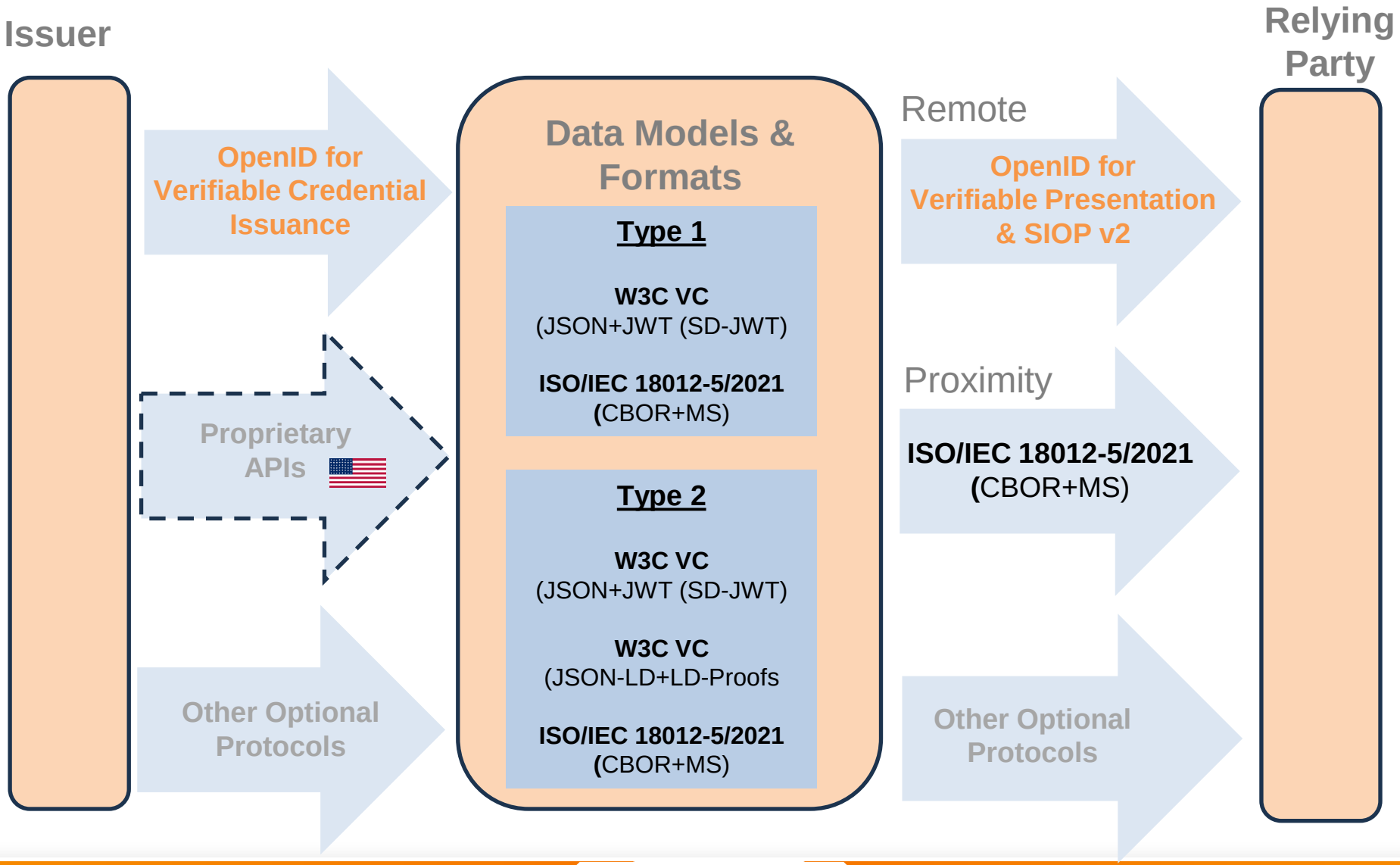
Secure channel with device, Unlock ID

Data requested, User decision, (Meta data or bundle)



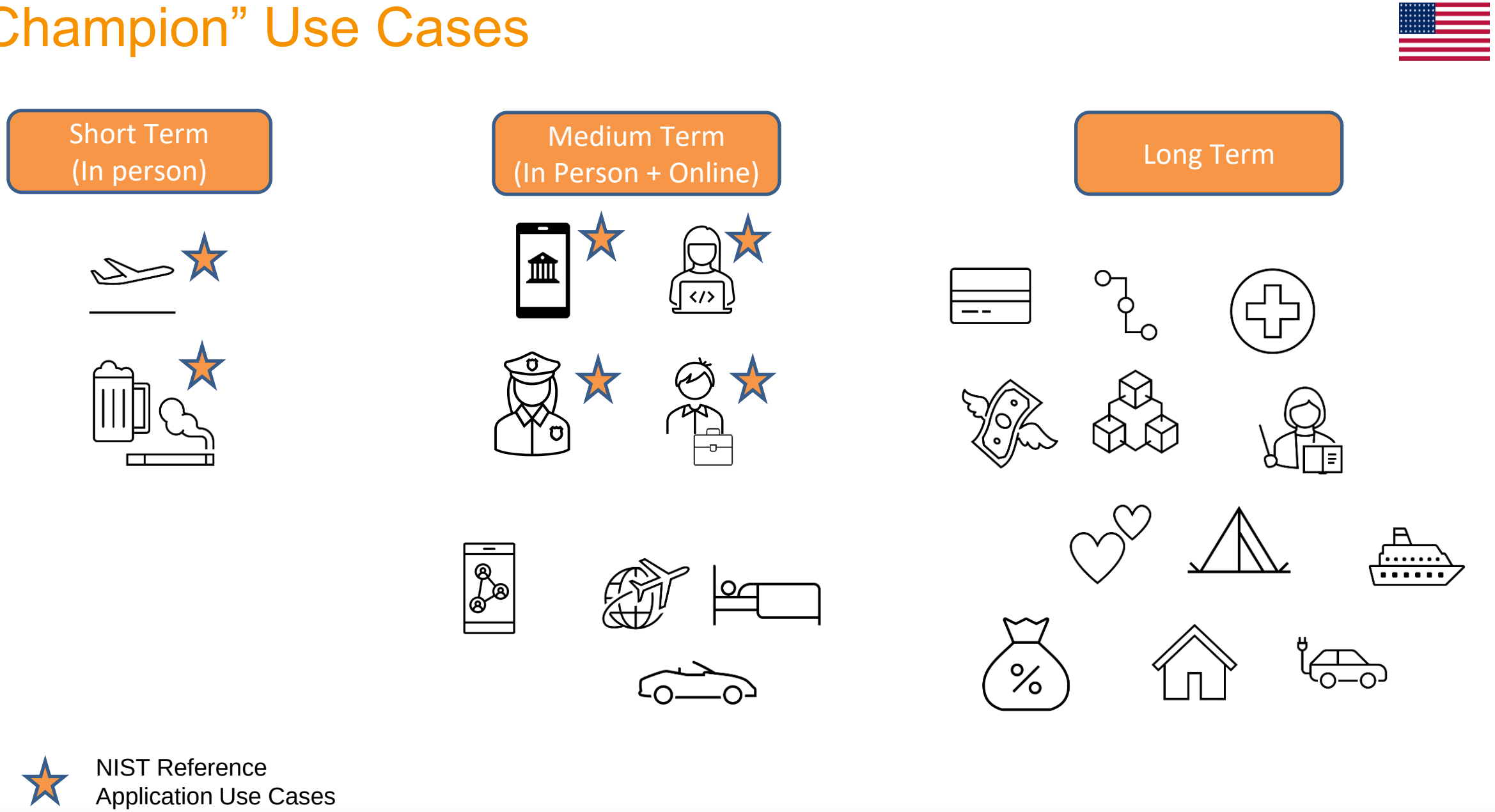
Confirm & Receipt

EC & California Pilots Align on Standards



Adapted from "The Common Union Toolbox for a Coordinated Approach Towards a European Digital Identity Framework: The European Digital Identity Wallet Architecture and Reference Framework"" January 2023 Version 1.0.0

“Champion” Use Cases



US State-Led “Federated” Model for Interoperability

DHS Self-Assessment

1X

Digital Trust Service

1X

1X

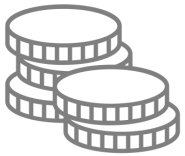
1X

Digital Identity Benefits

Government

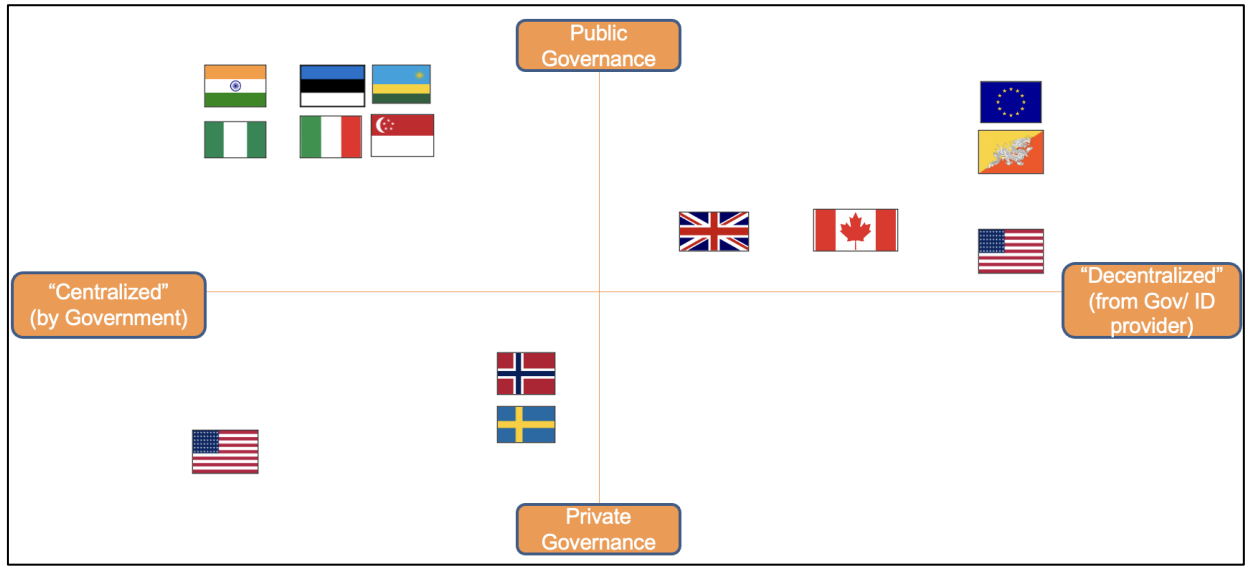
User

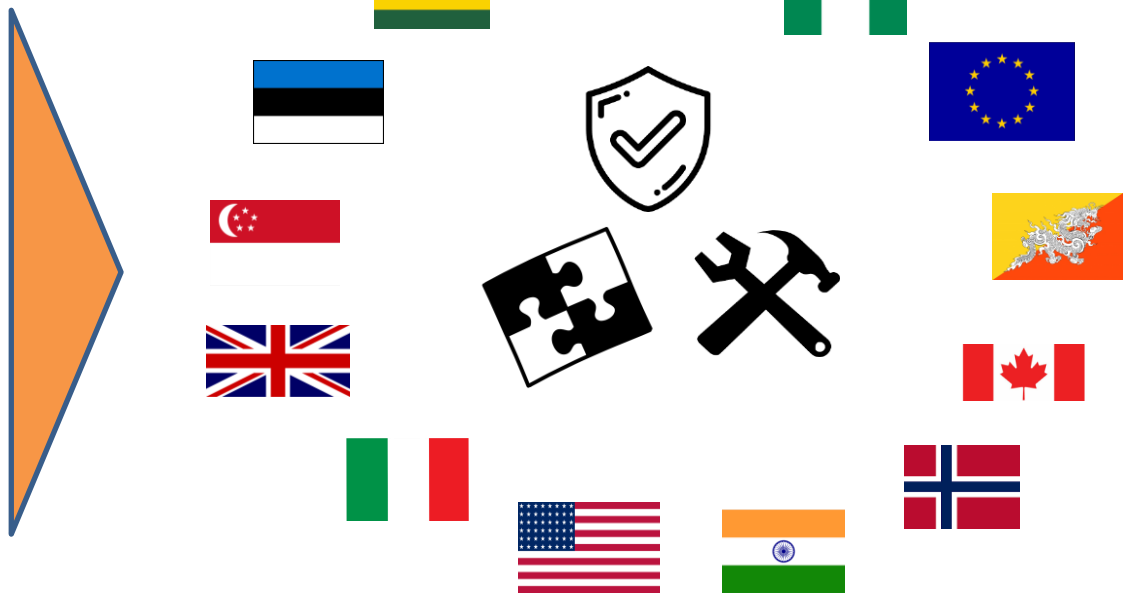
Relying Party



How can we achieve scale benefits of these “public goods” in 5 years instead of 20?

Transition from Domestic to Regional, Global Interoperability





Joint Publications

- **“Government-Issued Digital Identity Credentials & the Privacy Landscape”**
  - Published May 5th
- **“Human Centric Digital Identity for Government”**
  - Publication next week, feedback welcome
- **“Global Assured Identity Network”**
  - Publication next week, feedback welcome

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Take aways

1) Decentralized models are gaining momentum, and offer new solutions and challenges

2) OpenID Foundation standards can help domestic deployments achieve scale and interoperability

3) OpenID Foundation seeks to help all implementors achieve global interoperability

Thank you.

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