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The decentralized identity company

HYPERLEDGER INDY

HYPERLEDGER ARIES

HYPERLEDGER URSA

Self-Sovereign Identity

Essential Basics of the Hyperledger Indy-based Sovrin Network

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A seismic change is underway.

The way we think about and use digital identity
is transforming,
touching every aspect of digital life.

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Enter **“Self-Sovereign Identity”**

or “decentralized identity”
or “blockchain identity”
or “portable digital identity”

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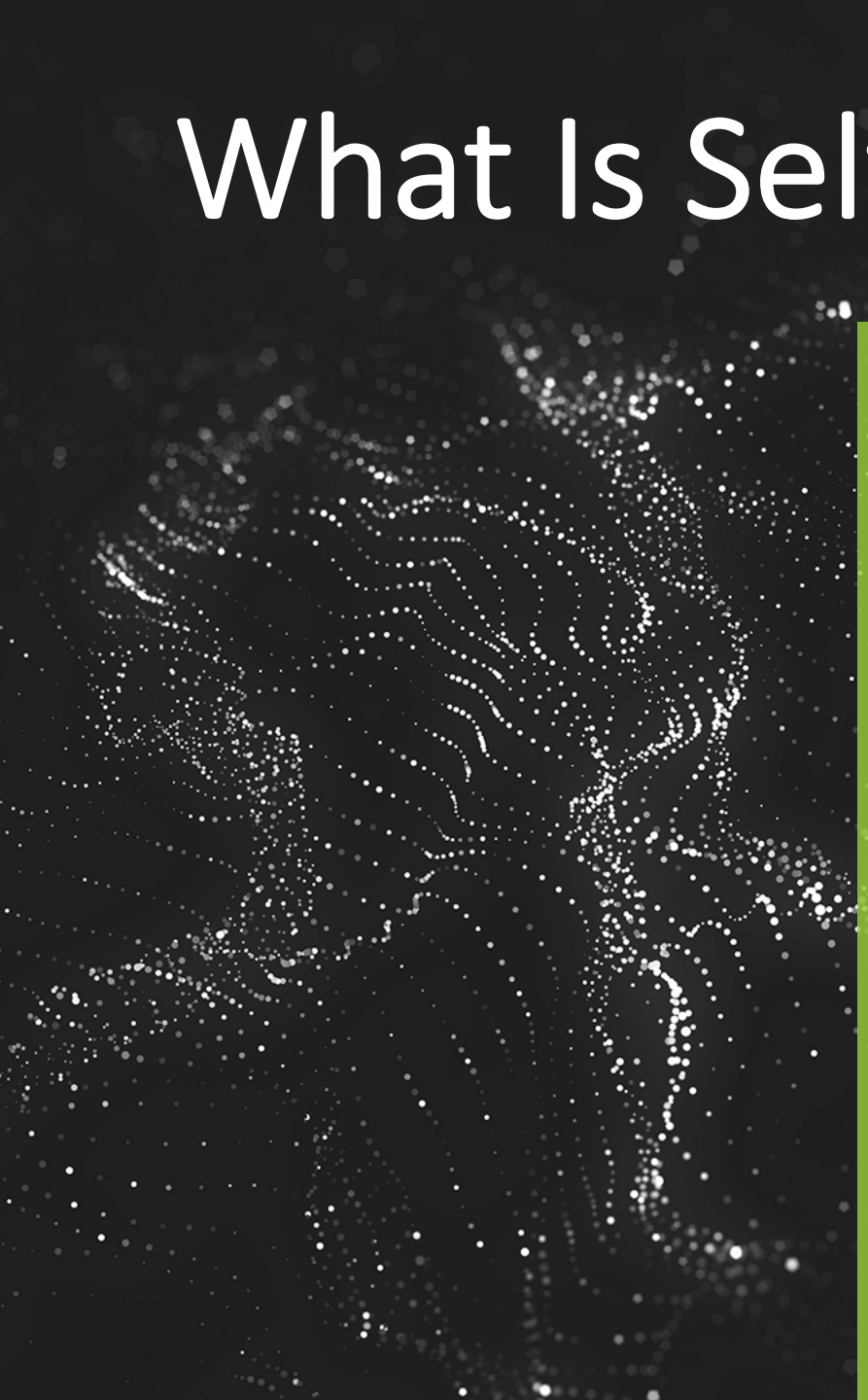
What Is Self-Sovereign Identity?



The ability for people, organizations and things to **hold**, **manage** and **control** their own digital credentials, just like they do with their physical ones….with added **cryptographic superpowers**

We call these **“credentials”**

They answer the question: **“Says who?”**

Paper is the global standard for credentials

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But paper doesn’t work **online.**

The digital world has no equivalent for paper credentials

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Yet digital identity underpins
every online interaction
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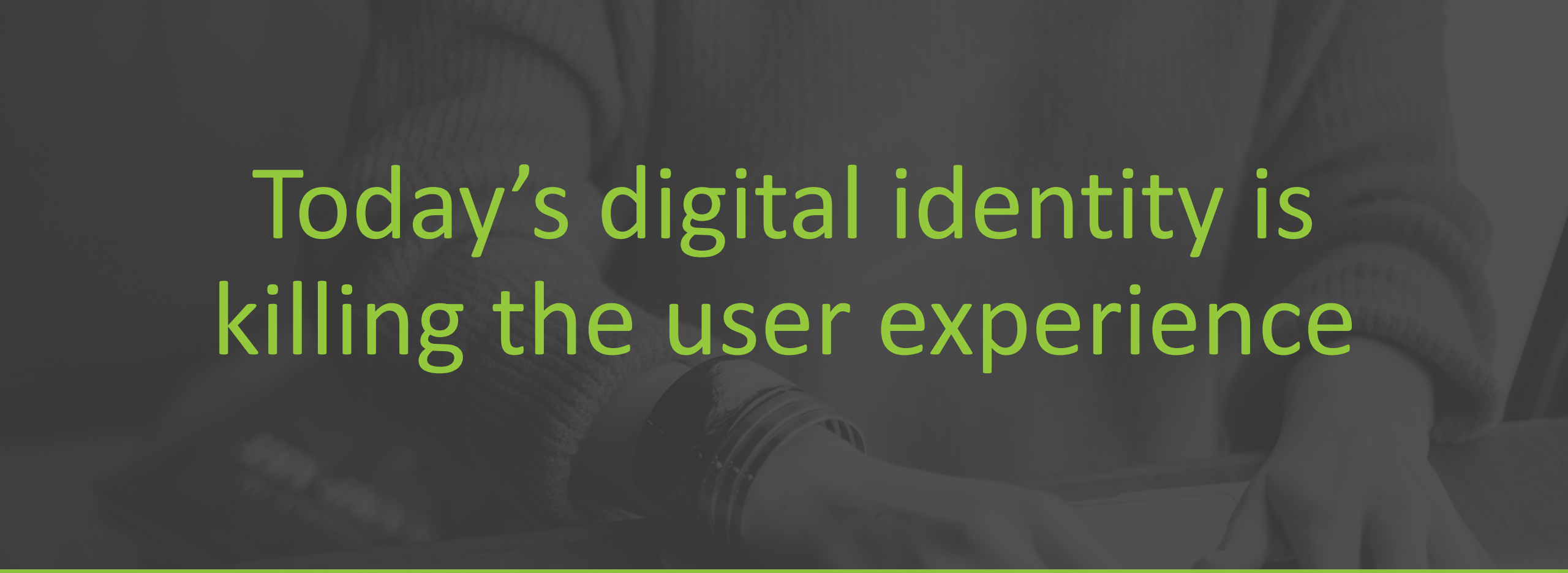

Today's digital identity is killing the user experience

"Institutions will save $1.6 trillion globally"

McKinsey on Digital Identification

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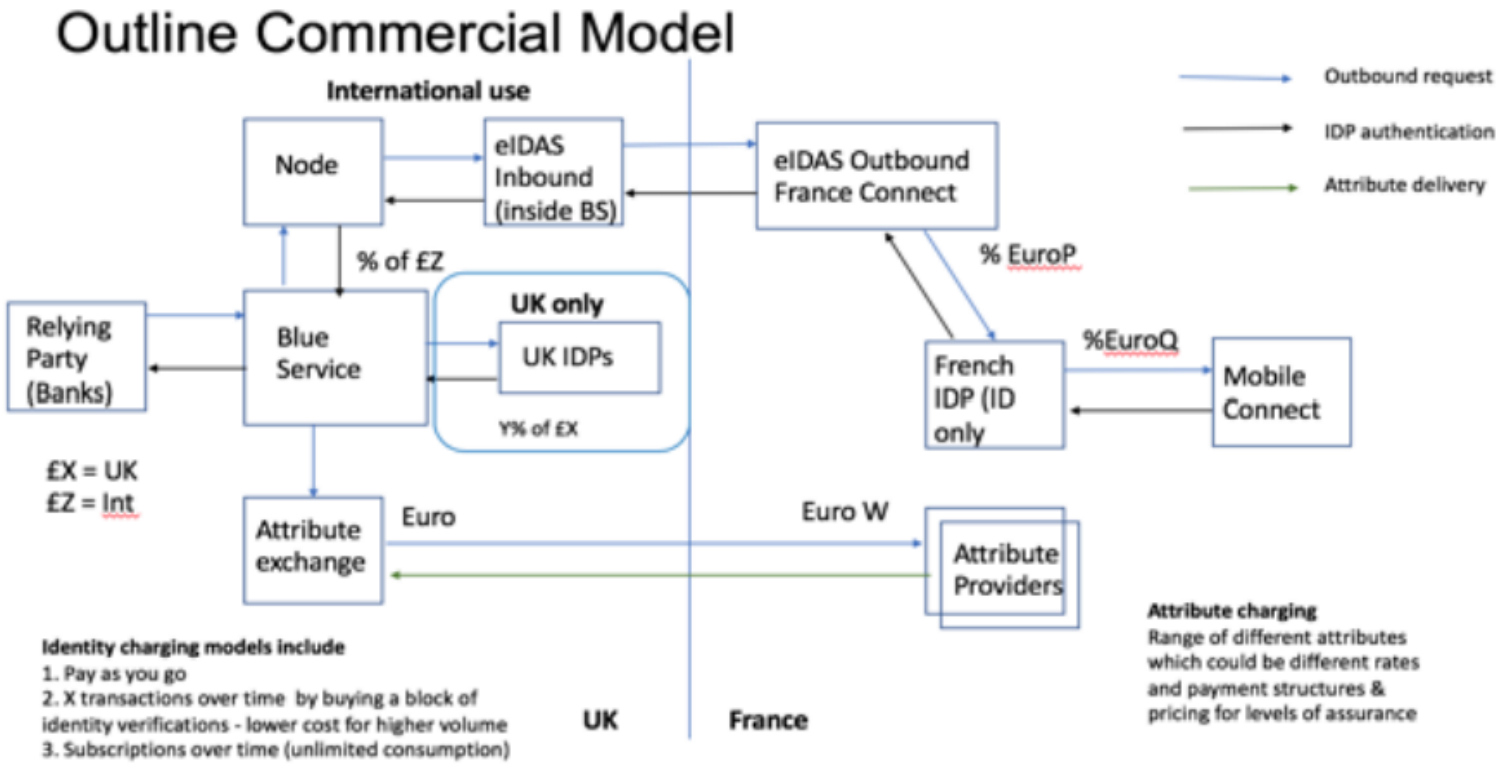
What it looks like today:

using a French digital ID to open a bank account in the UK



oix UK Europe

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This is **easier**

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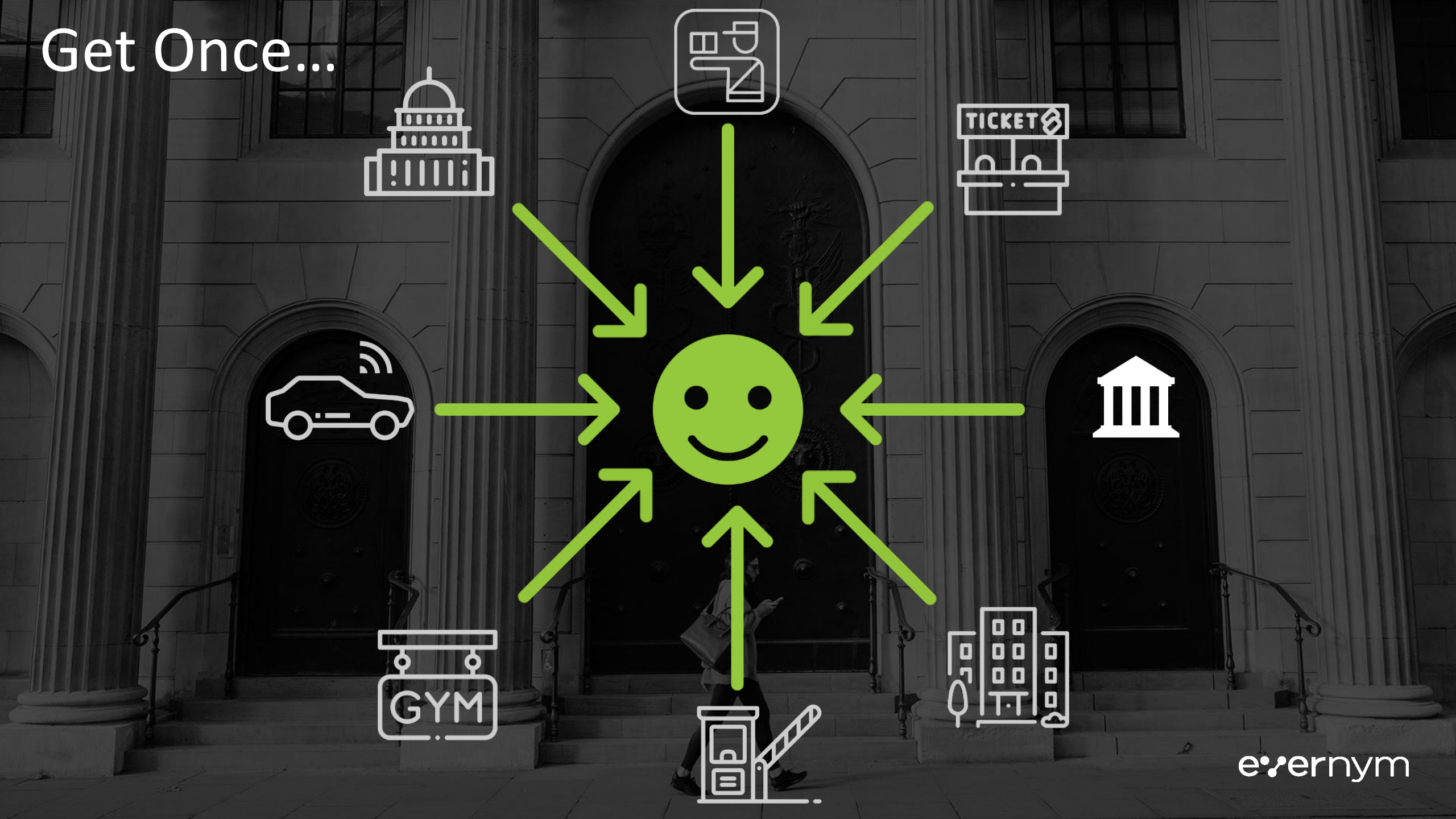
Get Once…



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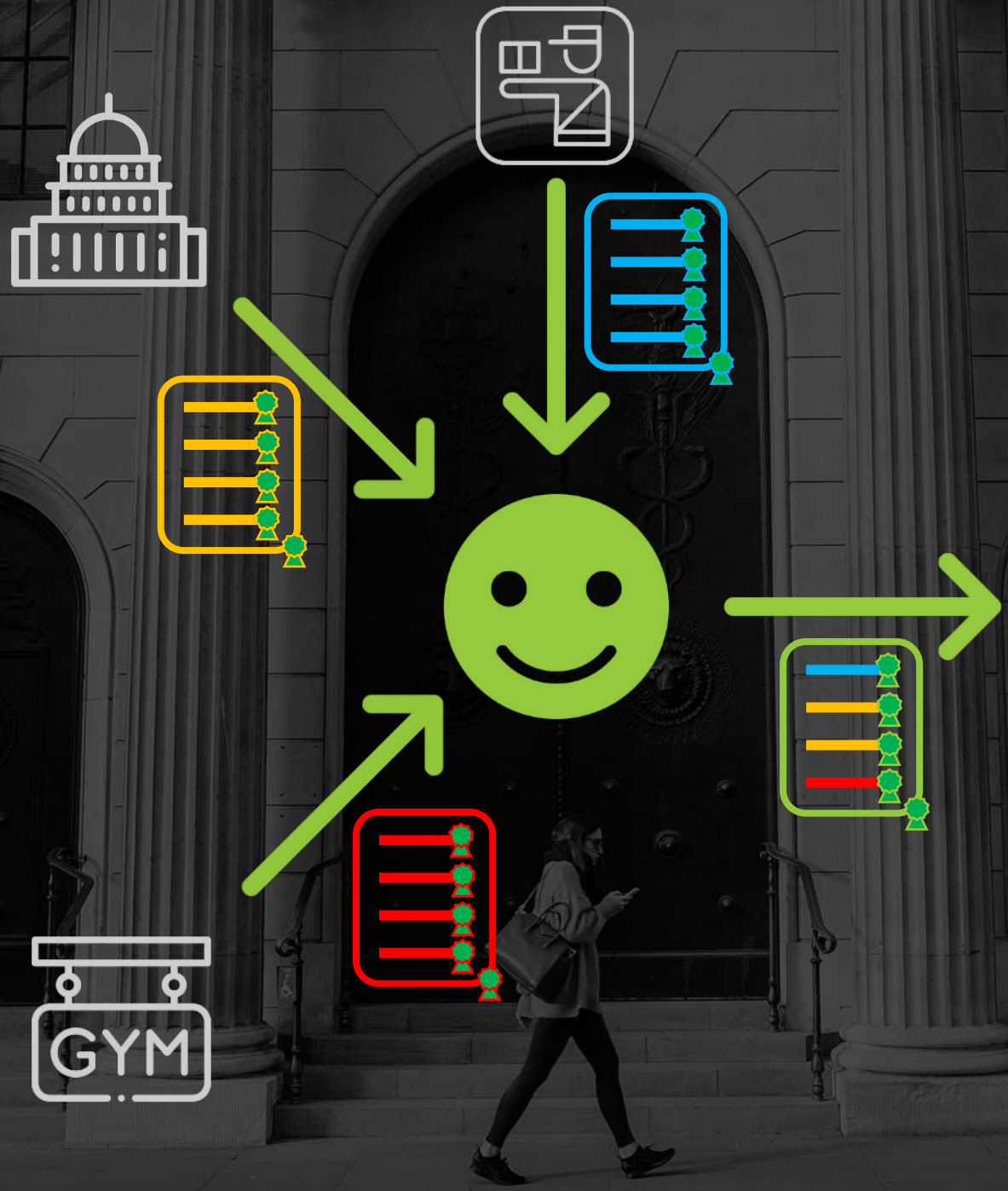
...Use Many Times

Composite Proofs



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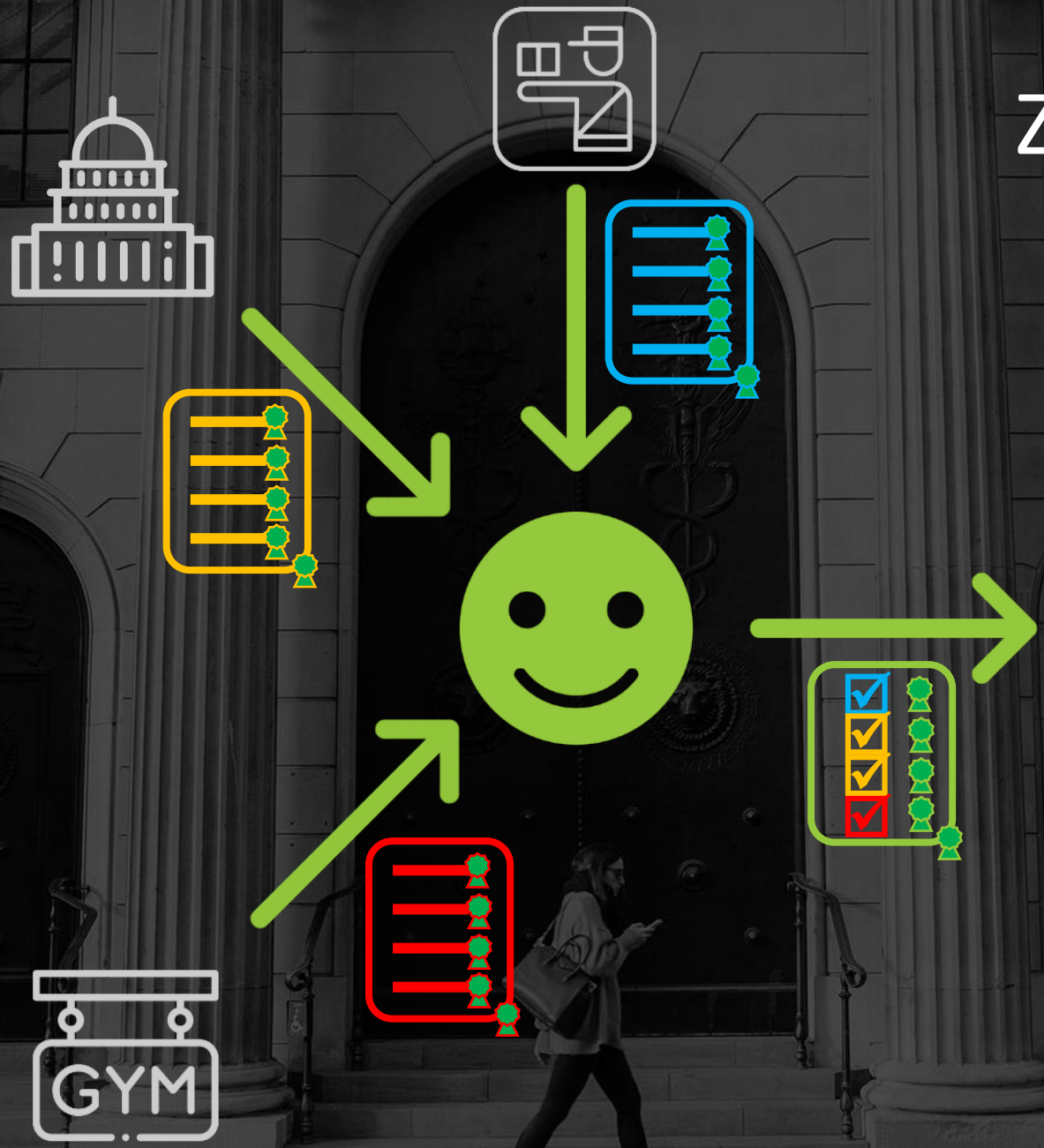
Zero-Knowledge Proofs



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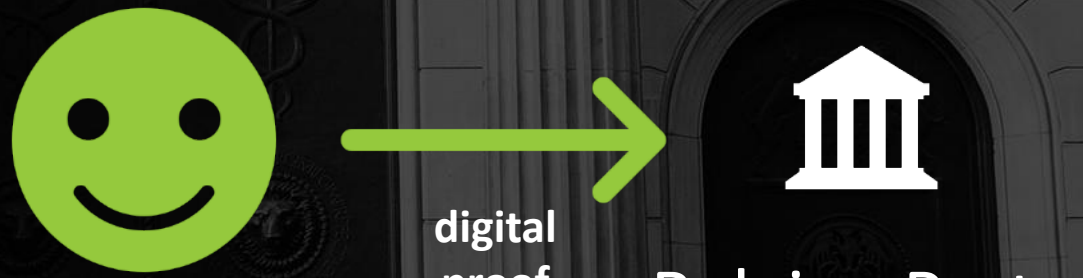
Relying Party knows:

1. Who issued the credential
2. Credentials in proof were issued to the presenter
3. Proof has not been tampered with
4. Revocation status



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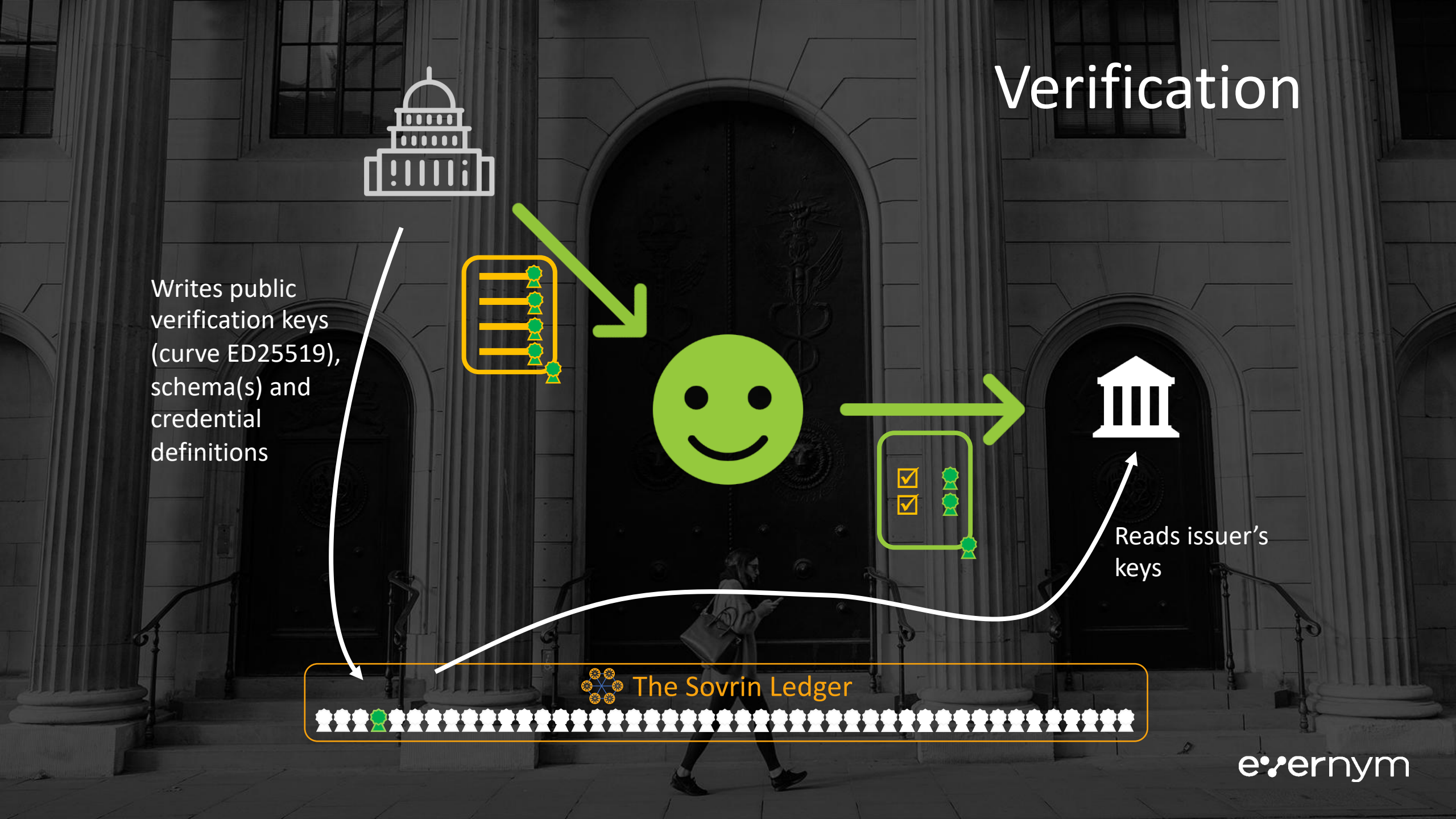
Verification



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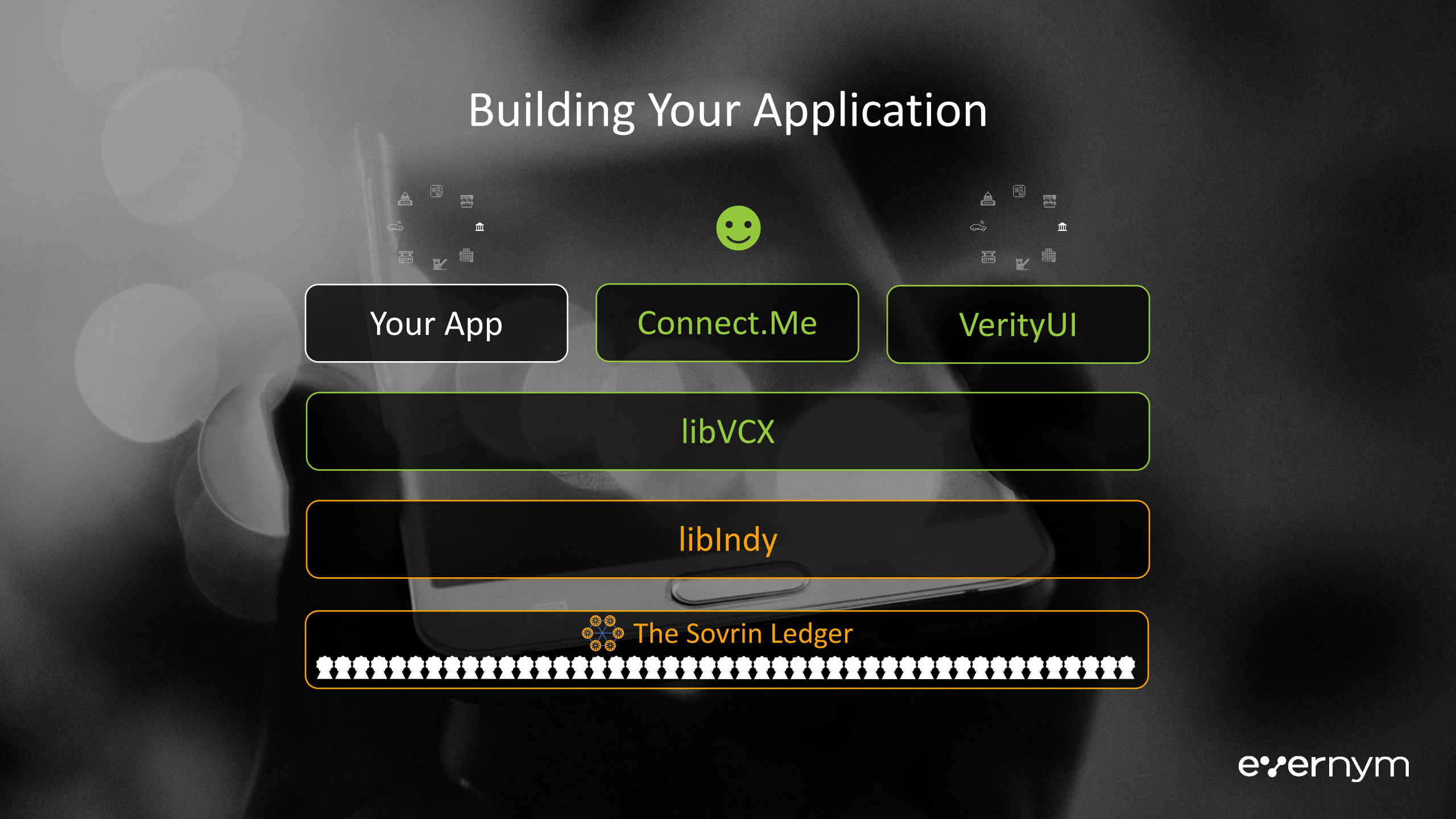
Building Your Application



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What to do now?

- Download the software
  https://bit.ly/2J5elZj
- Get your pre-authorized DID
  or self-register at https://selfserve.sovrin.org/
- Access your VerityUI
- Download Connect.Me from your App store
- Build cools stuff

Building Cool Stuff

1. **Issuer**
   I. Install and configure libraries.
   II. Create and write schemas to the ledger.
   III. Create and write credential definitions to the ledger.
   IV. Make connection.
   V. Offer credentials.
2. **Verifier**
   I. Make connection.
   II. Create proof request template.
   III. Send proof requests.
   IV. Receive proofs.
3. **Mix and Match!**

Demonstrations

and

Q & A

Thank you
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