Implementing an Identity Application

Richard Esplin
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It’s early days

Tools are changing quickly

Documentation isn’t very polished

We’ll work together, and get unstuck together
Protocol Ecosystem: Aries
Features: ZKPs
Network: Sovrin
Language: Python
Issuer Software: ACA-Py
Relevant Projects

HYPERLEDGER

THE LINUX FOUNDATION

HYPERLEDGER

IDENTITY WORKING GROUP

HYPERLEDGER

ARIES

HYPERLEDGER

URSA

HYPERLEDGER

INDY
Setup Indy

Install Indy CLI (Debian)

(https://github.com/hyperledger/indy-sdk/blob/master/README.md)

Install the genesis files for Sovrin Builder Net

(https://forum.sovrin.org/t/how-to-access-the-public-sovrin-network/1035)

Generate a DID

Anchor the DID as an issuer

(https://selfserve.sovrin.org)
Setup ACA-Py

Install ACA-Py (Docker)

Get it to use your issuer DID?

Code the controller
Design a Credential

Decide on your use case
Select your attributes
Define your Schema
Define your Cred
(Future: define your presentation)
Components of a Credential

- Credential Definition
- Mapping
- Encoding
- Schema
- Schema
- Schema
- Verifiable Credential 1
- Verifiable Credential n
- Presentation
- Presentation Definition
Test

Issue a credential

Verify the credential
Setup Governance

Who is going to issue the credential?

Why will the verifier trust the credential?