Browser based Wallet
Public Sprint Demo

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Sprint Demo, Online
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Webwallet for research - Agenda

- Research AAI ecosystem
- Why a browser based wallet?
- Incubator activities so far
  - Use case in details & MVP
  - Demo
  - Connecting Verifiers and Issuers
Research AAI ecosystem

AARC Blueprint Architecture

1. USER IDENTITY
   - Step up AuthN
   - User inform

2. COMMUNITY ATTRIBUTE SERVICES
   - Reputation Service
   - AUP
   - AA: Other
   - AA: OIDC
   - AA: SAML
   - Attribute Authorities

3. ACCESS PROTOCOL TRANSLATION
   - Discovery Service
   - User Inform
   - Token Translation Service

4. AUTHORIZATION
   - Community Authorization Policy Repository

5. END SERVICES
   - SAML SP
   - OpenID Connect SP
   - OAuth SP
   - OpenID Connect Proxy
   - Other
Why a Browser based wallet

- Keep credentials ‘close’ to where they are needed
- Interoperable with mobile wallet ecosystem
- Much easier to deploy and maintain as compared to mobile wallets
- MFA
- Solution to (long term) storage of combined sets of user credentials: Research AAI, eduID
Use case & MVP

Black: business-specific steps
Blue: OID4VCI/VP
(red OIDC Fed trust (see next topic))
Demo

wwwallet-demo.mkv - mpv

Credentials

View all of your credentials, and use the 'Add new credentials' card to add more

Verifiable ID

A Verifiable ID which can be used for identification purposes

University Degree Credential

A European Degree credential for universities in Europe

Verifiable credential

Add New Credential

Powered by wwwallet

TRUST & IDENTITY INCUBATOR
Connecting Verifiers and Issuers

- SaToSa
- SpruceID
SpruceID

- [https://github.com/spruceid/oidc4vci-issuer](https://github.com/spruceid/oidc4vci-issuer) is an issuer written in RUST
- Features
  - Nice, clean code
  - Proof-of-concept readiness (issues 1 hard-coded certificate)
  - Documentation was very initial
- We wanted to make it work for our testbed
- Our contribution: better installation documentation (merged)
  - Future plans: further documentation pull requests
    - Implement certificate load instead of hard-coded cert
    - testing
Thank You