



# THE DIGITAL IDENTITY WALLET ECOSYSTEM

TechEx 2024 - Boston

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Co-funded by  
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# Background

## Legislation

- Revision of eIDAS regulation

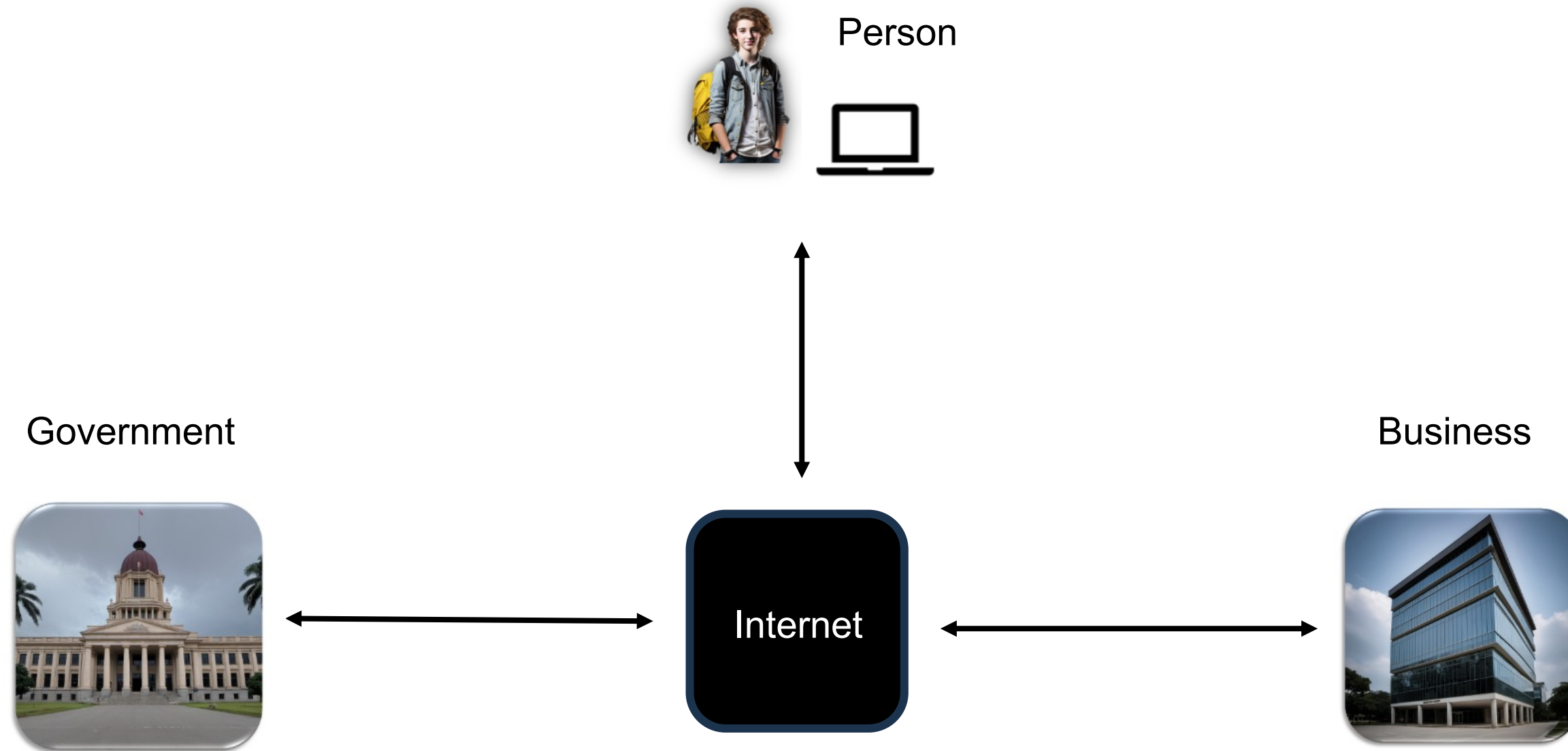
## Standards and specifications

- Architectural Reference Framework and eIDAS Implementing acts

## Large Scale Pilots

- DC4EU, EWC, POTENTIAL & NOBID

# Three party system



## Overview

- Usually a person (natural or legal) and two organisations. One saying something about the person and one verifying their information about the person.
- The entity saying something about the person could be themselves in the self sovereign scenario.

# Black box service



User

Internet  
service

Government



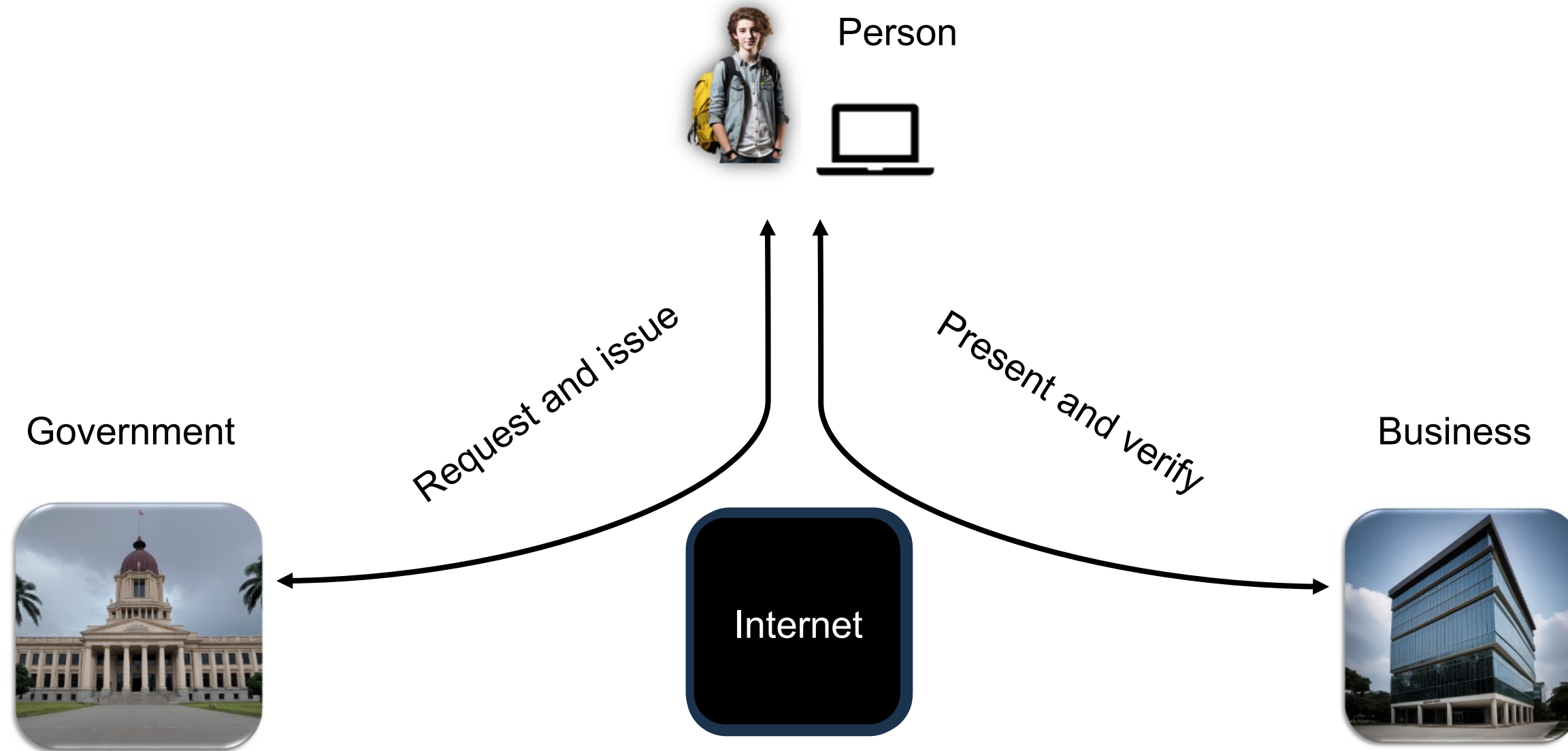
Company



## Challenges

- Privacy
- Interoperability

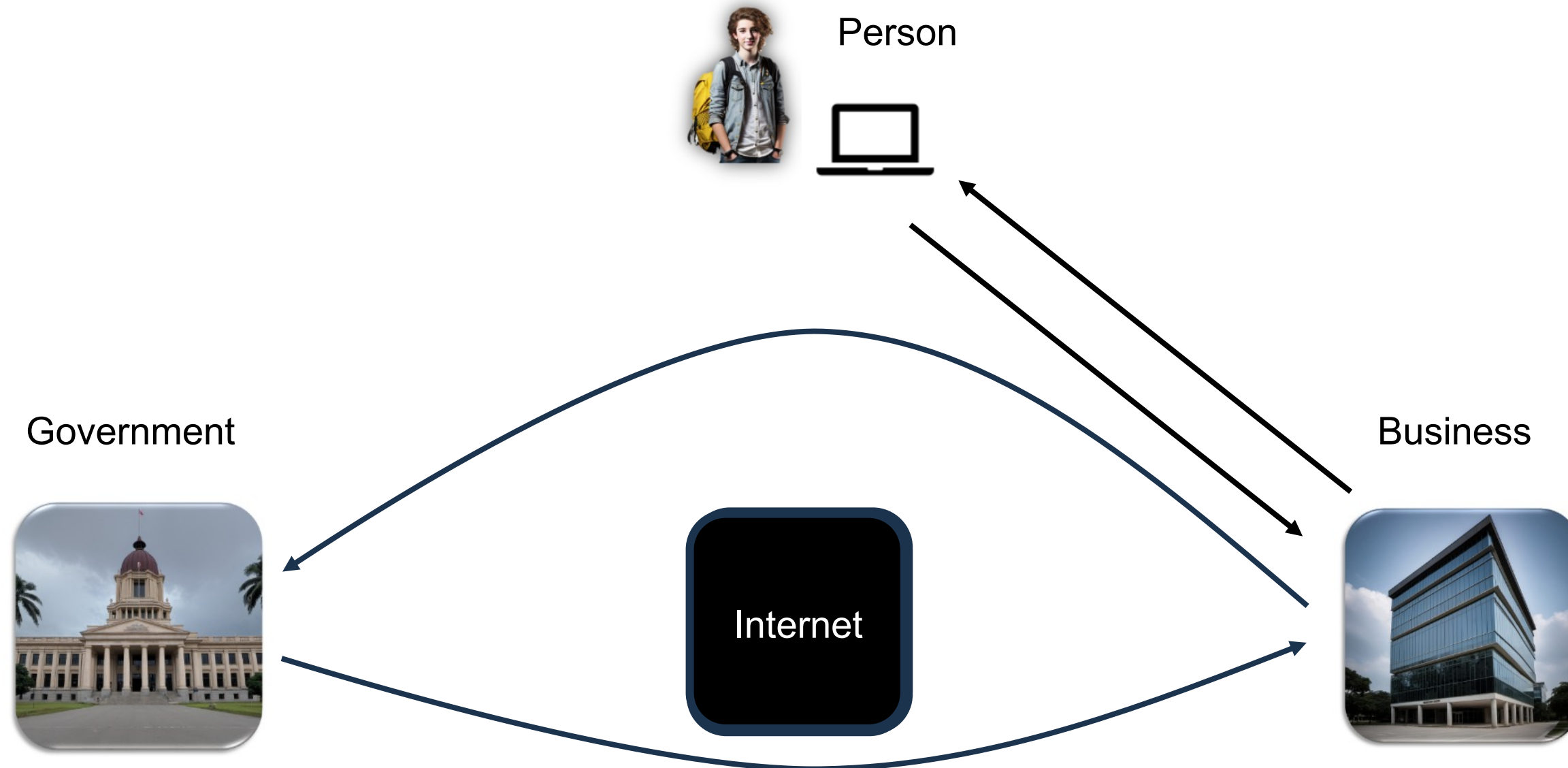
# Common flow for physical evidence



## Challenges

- Just in case
- Takes time
- Hard to verify revocation

# Common flow for online services



## Flow

- Ask for access
- Authenticate at identity provider
- Identity provider notify service
- Service grant user access

## Issues

- Privacy

# Separation of roles



Government



Issuer

Holder

Business

Verifier

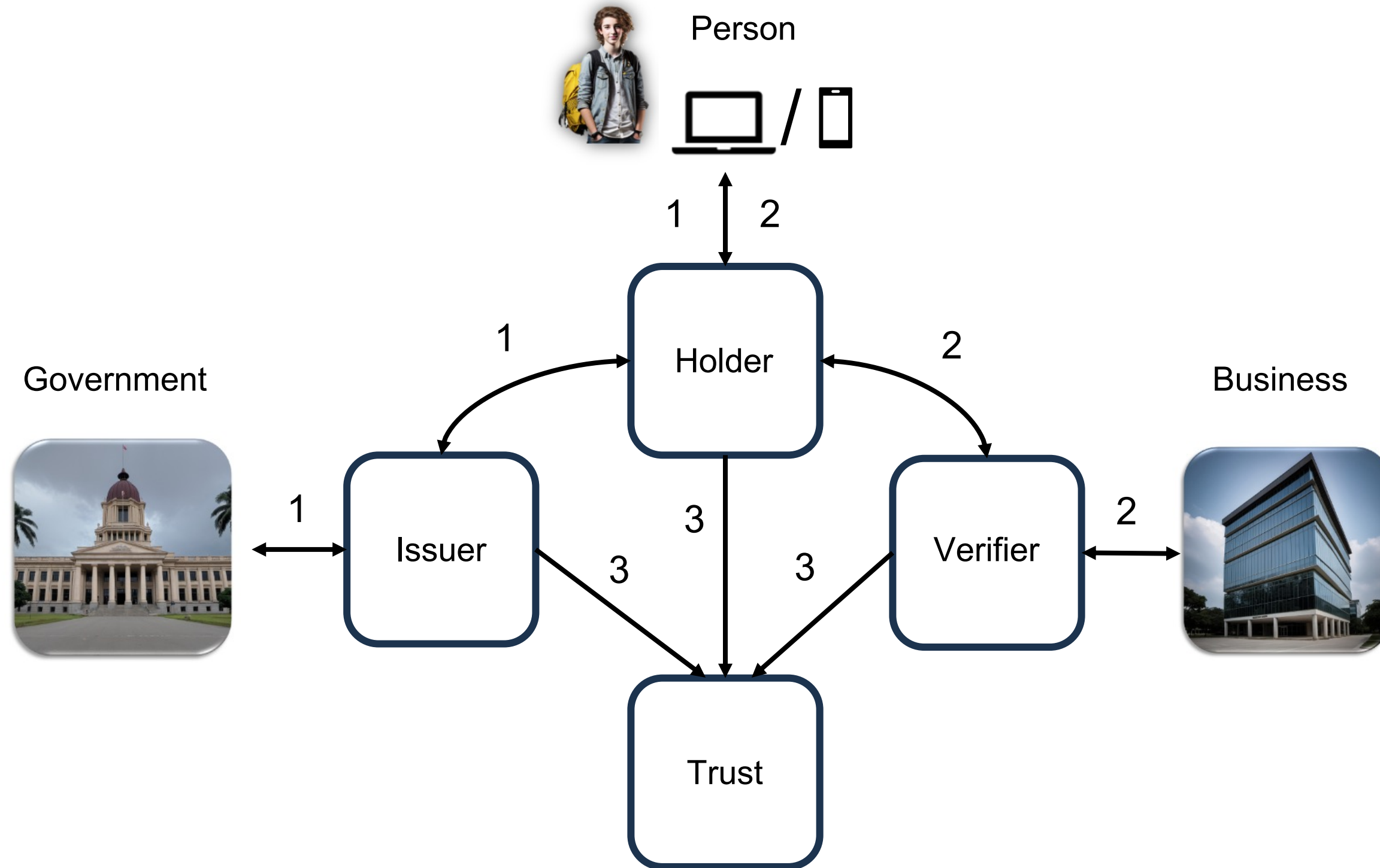


Trust

## Roles

- Authentic source / Issuer
- Holder / Wallet
- Verifier / Relying party
- Trust infrastructure

# Separation of interfaces and flows

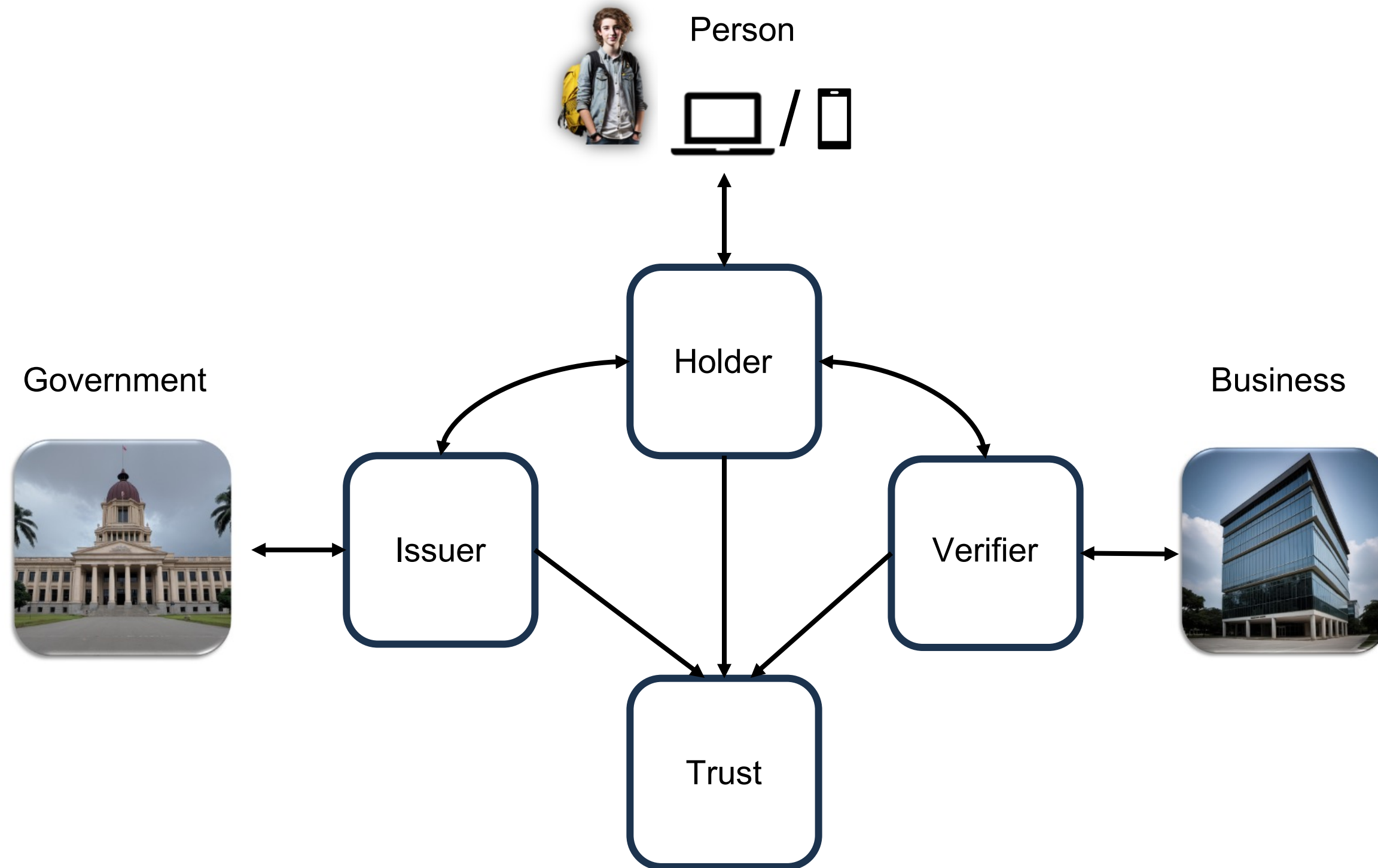


## Flows

1. Issuing
2. Verifying
3. Discovery and Trust



# Trust and discovery



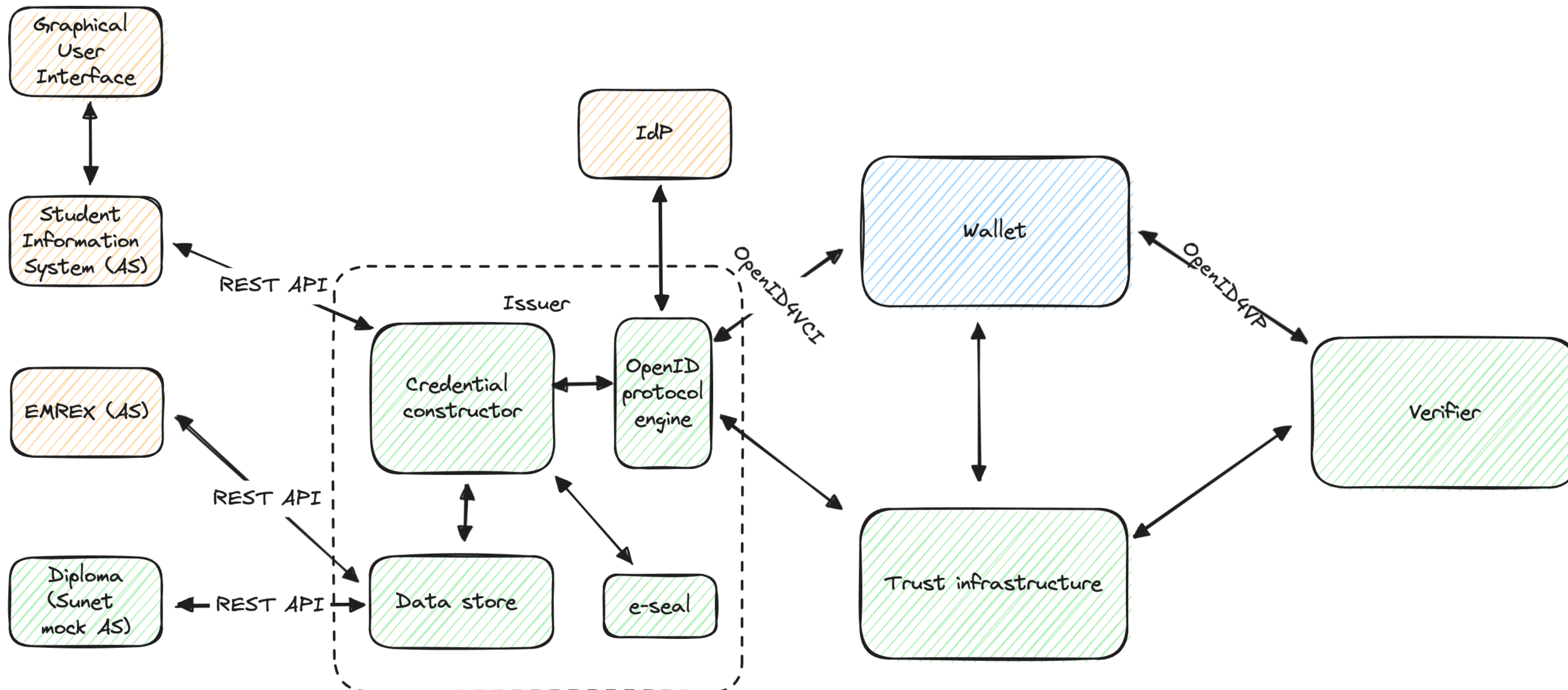
## Trust

- Wallet trust issuer and verifier
- Issuer trust wallet
- Verifier trust wallet and issuer
- Wallet verify wallet provider trustworthiness

## Discovery

- Wallet discover issuers
- Wallet discover credential types and attributes verifiers can request
- Wallet discover verifiers permitted to interact with specific subjects

# Interoperability lab



wwWallet.org




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## Welcome to wwWallet



### Choose your account

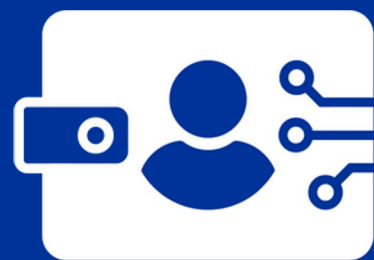
 Log in as Stefan



[Use other Account](#)

Thank

YOU!



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