Participation Meeting

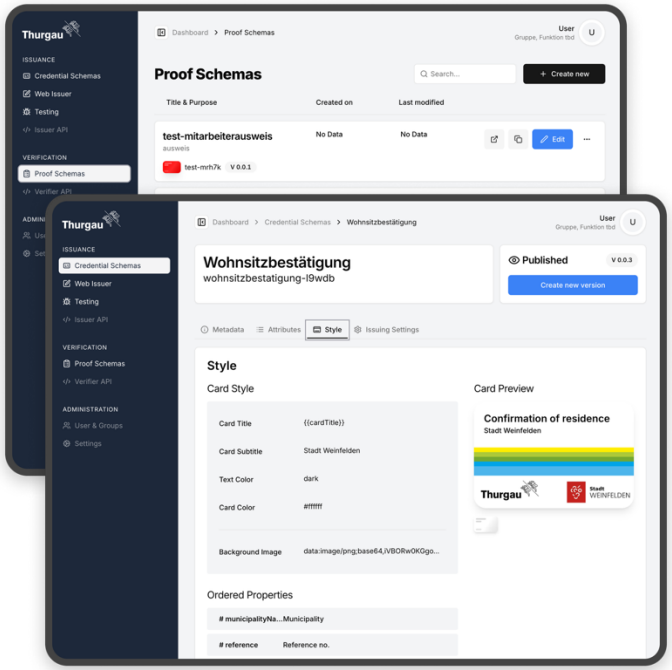
HEIDI Goes Public Beta

08.05.2025

ubique

What is HEIDI?

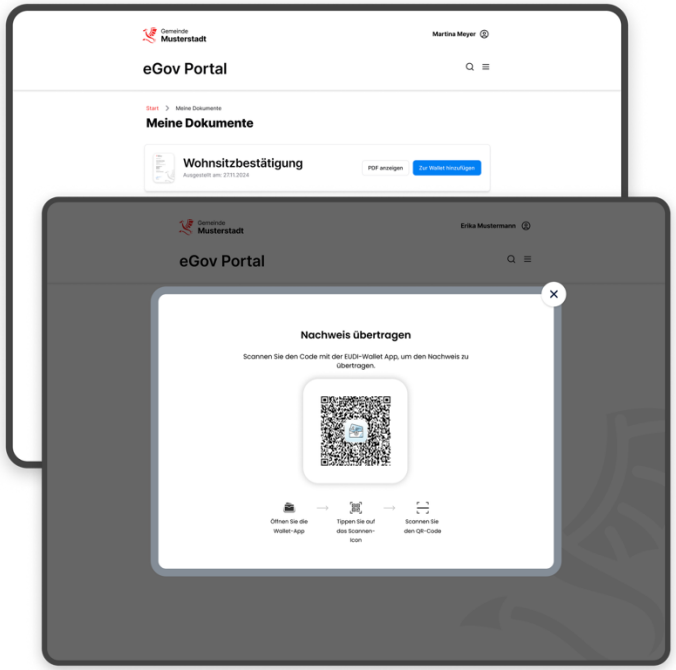
BACKOFFICE



Cockpit

Issuer & Verifier Services

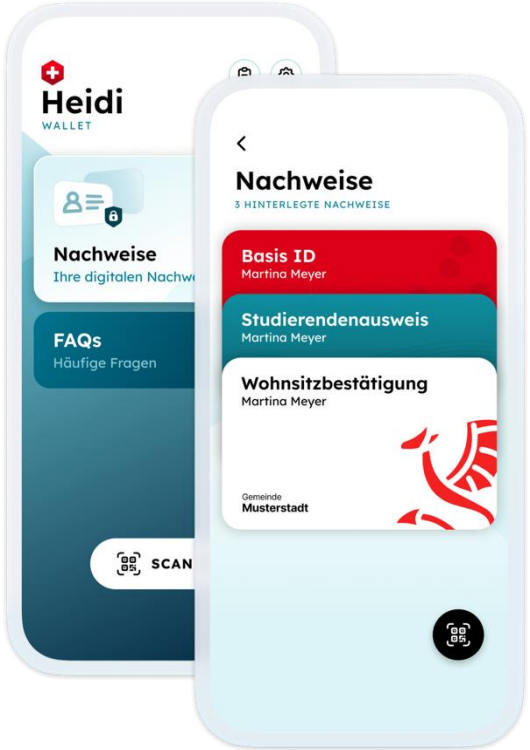
ISSUANCE + VERIFICATION



Web Components / API

Integration in Systeme

HOLDER



Heidi Wallet

Open Source Wallet/SDK

HEIDI Goes

Public Beta

HEIDI goes

Swiss Profile / Public Beta

HEIDI Wallet

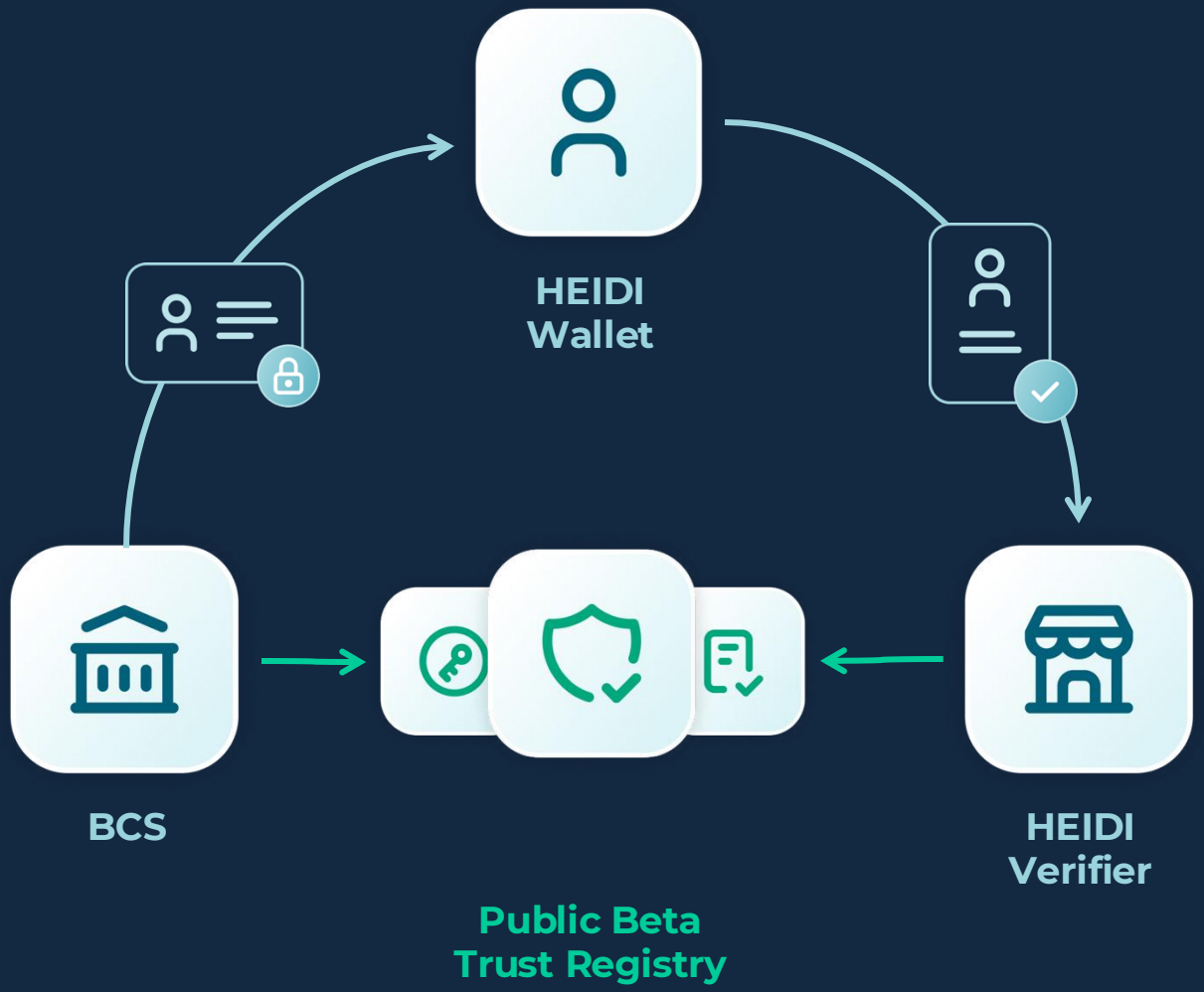
- ✓ Receives Beta-ID
- ✓ Connected to Trust Registry

HEIDI Issuer

- ✓ Issues VCs according to the «Swiss Profile»
- ✓ Onboarded on to Trust Registry

HEIDI Verifier

- ✓ Can verify Beta-IDs



Beta Credential Service (BCS)

Back to the homepage

Request a Beta-ID

Request a Beta-ID from a template


Helvetia


Marco

Request the issuing of a Beta-ID

Request a custom Beta-ID

○ Female ◉ Male

Given name*
Marco Elio

Surname*
Prumaz

Date of birth*
19.06.1988

Place of birth*
Vallorbe

Place of origin
Echallens VD

Nationality*
CH, FR

OASI number*
756.6199.0539.28

Upload a picture

Picture of Helvetia

Picture of Marco

16:27 87%

Beta ID
Prumaz Marco Elio

INFO METADATA

Given name(s)
Marco Elio

Surname
Prumaz

Face image

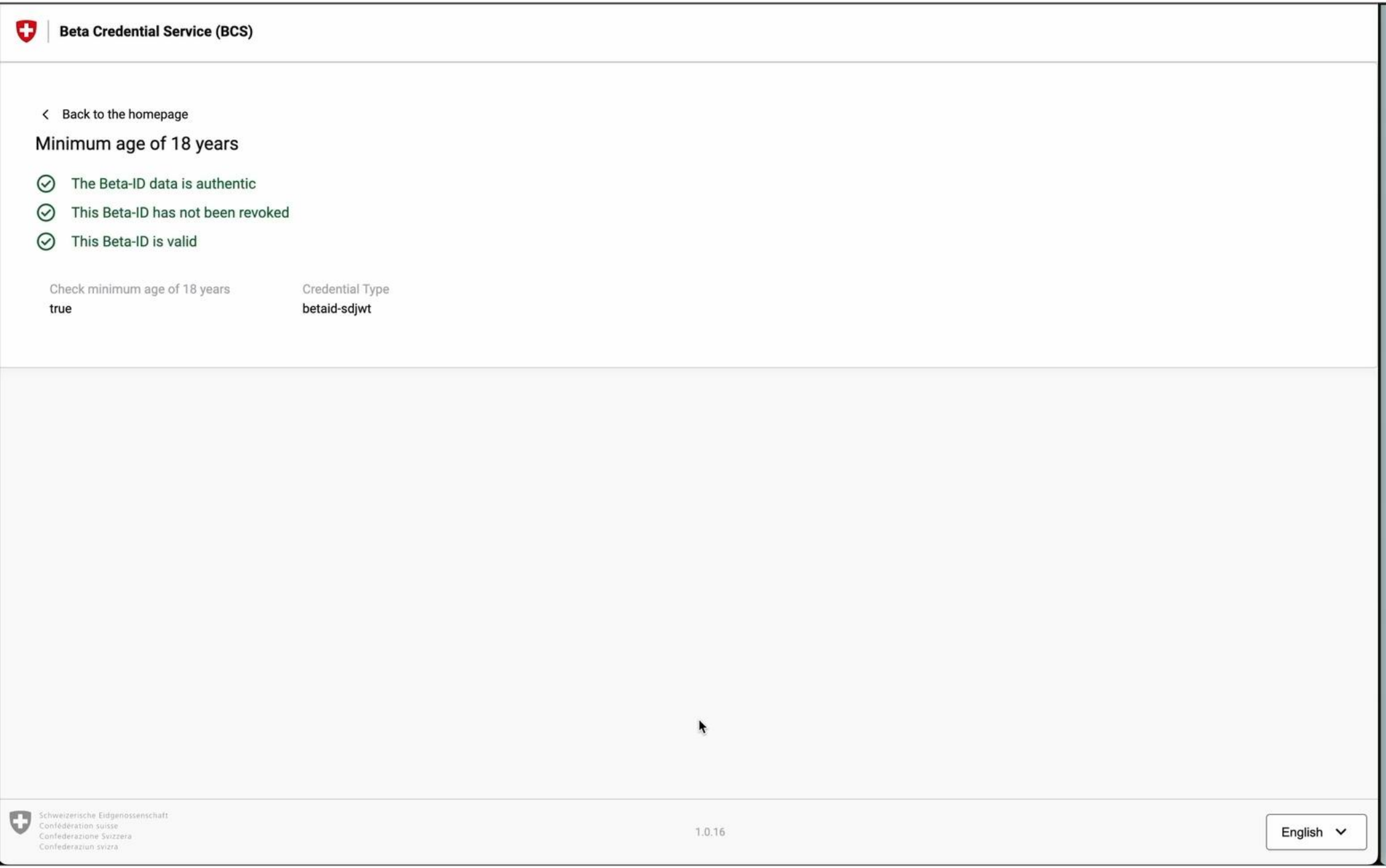
Sex
1

Date of birth
19.06.1988

Born in
1988

Over the age of 16

Over the age of 18


Beta Credential Service (BCS)
Back to the homepage
Minimum age of 18 years
The Beta-ID data is authentic
This Beta-ID has not been revoked
This Beta-ID is valid
Check minimum age of 18 years
true
Credential Type
betaid-sdjwt
Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra
1.0.16
English


16:28
87%
Information Request
Today, 16:27
REQUESTED BY
swiyu Beta Credential Service (BCS)
Verified Verifier
Swiss Trust-Framework
DOMAIN
bcs.admin.ch
Valid Certificate
SHARED INFORMATION
Beta ID
Prumaz Marco Elio
> Vct
betaid-sdjwt
> Age_over_18
true

HEIDI goes

Swiss Profile

	Swiss Profile	HEIDI
Identifiers	W3C Decentralized Identifiers did:tdw/did:webvh	✔
Status Mechanisms	Token Status List (Draft 3)	✔
Trust Protocol	Swiss Trust Protocol version 0.1	✔
Communication Protocol	OID4VCI – draft 13 (2024) OID4VP – draft 20 (2024)	✔ ✔
Payload Encryption	JWE	✔
VC-Format & Signature Scheme	SD-JWT VC – draft 4 SD-JWT draft 10 ECDSA P-256	(✔) ✔ ✔
Device Binding Scheme	Hardware-based Software-based	✔ ✔
VC appearance	Overlay Capture Architecture (OCA)	(✔)

Public Beta

Learnings

- **Tooling/Process**

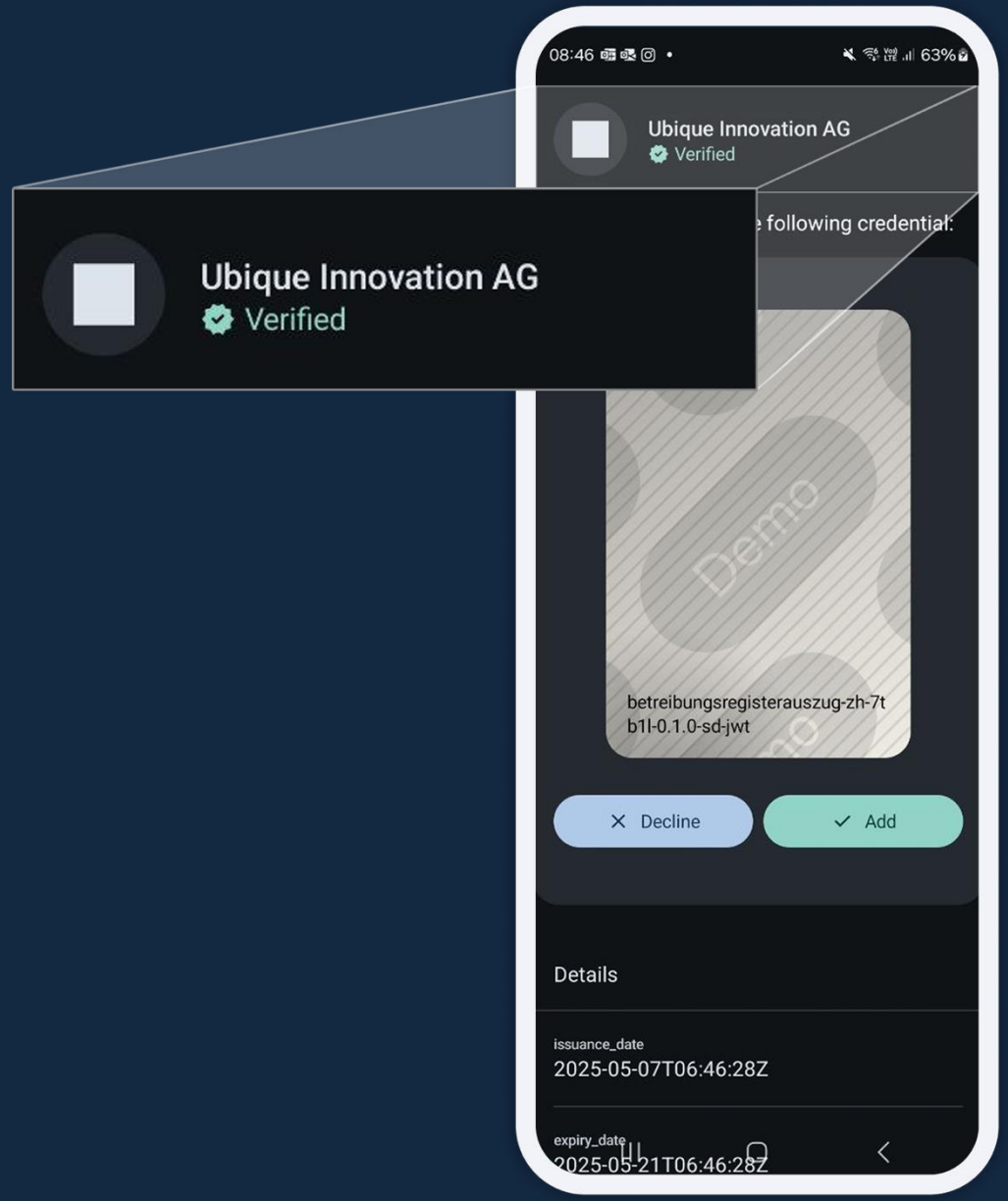
  DID-Toolbox: useful

  Cookbook: helpful

  Eintrag in Trust Registry: fast

  Wishlist

  - API specification as Swagger
  - Support for X.509 and P12 certificates



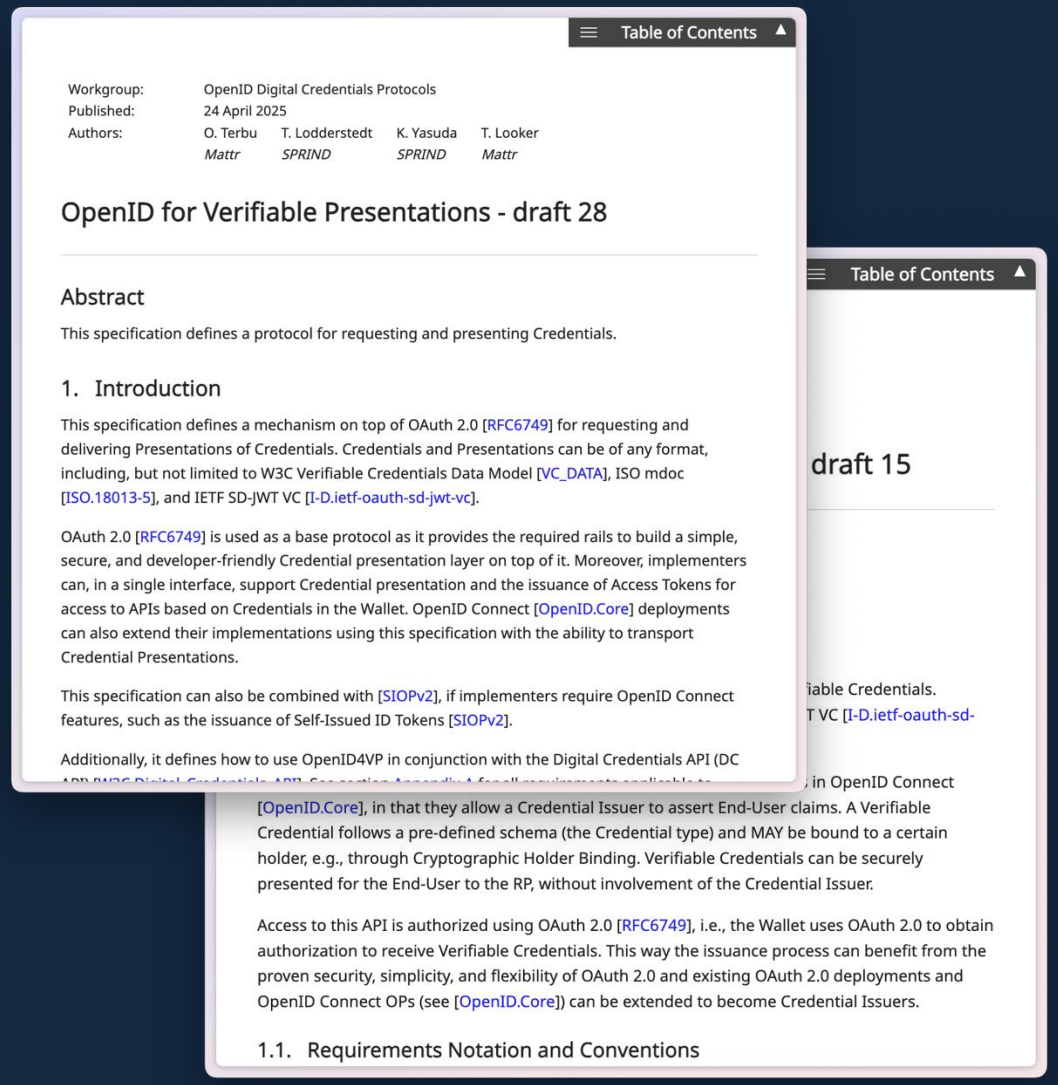
Public Beta

Learnings

- **Protocols are not yet final**

Swiyu → OID4VCI Draft 13 (2024)
→ OID4VP Draft 20 (2024)

Aktuell → OID4VCI Draft 15 (2025)
→ OID4VP Draft 28 (2025)

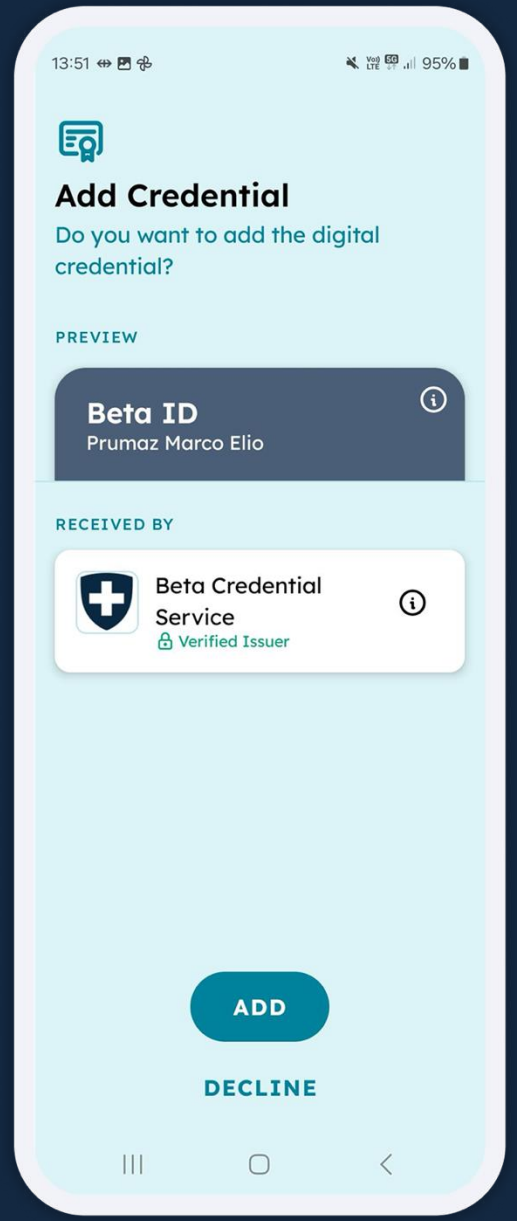


Public Beta

Learnings

- **Issuer Authentication only after issuance**

  DID of issuer not available in metadata of issuer but only in SD-JWT VC payload.



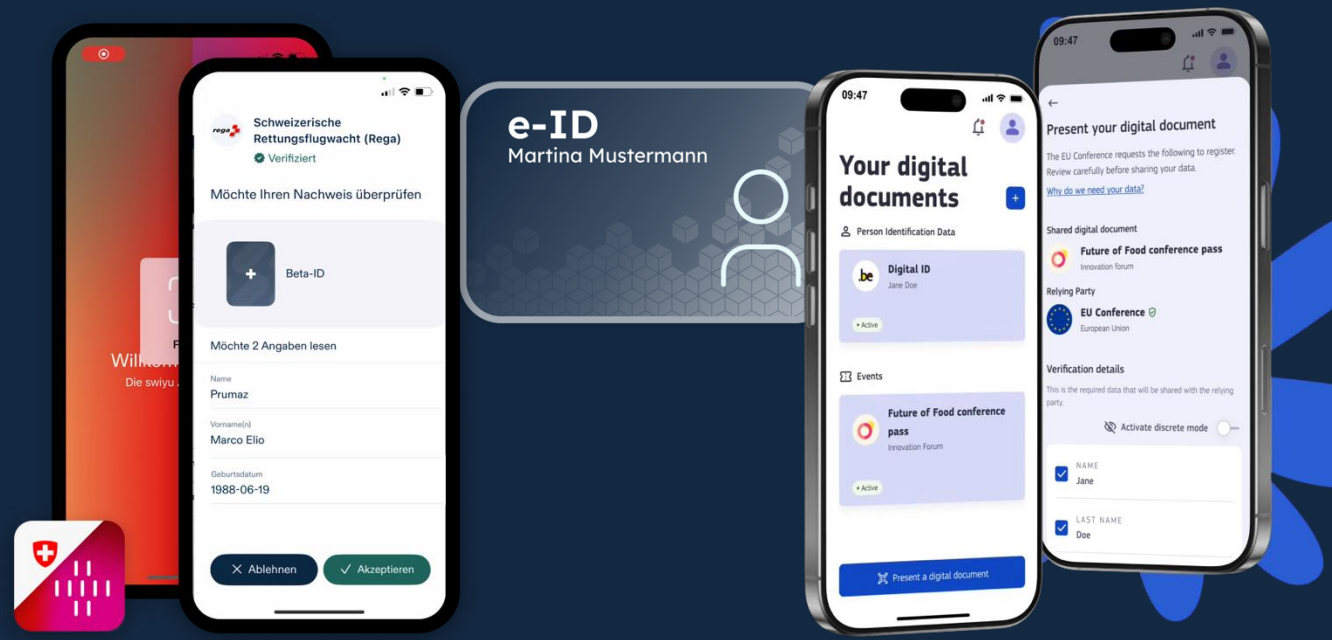
Public Beta

Learnings

- **Supporting multiple trust-frameworks not easy**

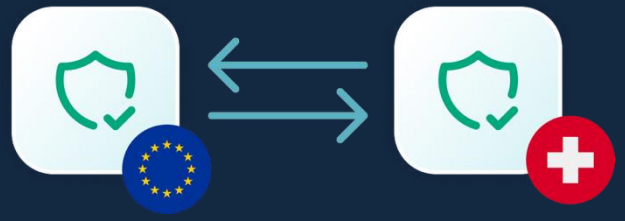
  Swiss Profile

  EUDI / HAIP



Public Beta

Interoperability EUDI



Protocols

Same Standards

Trust-Framework

~~Incompatible~~

Different

Schema

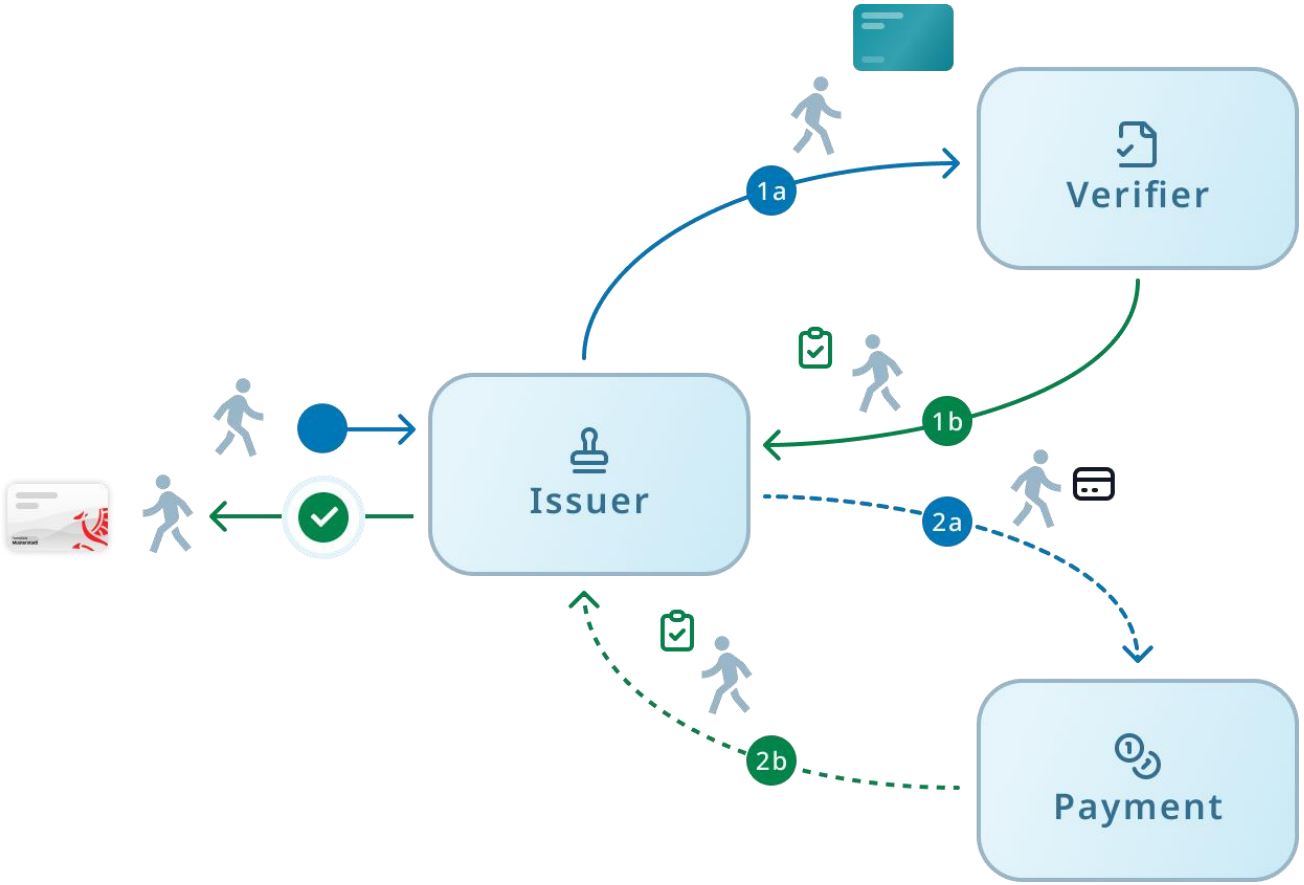
need harmonisation/ standardisation

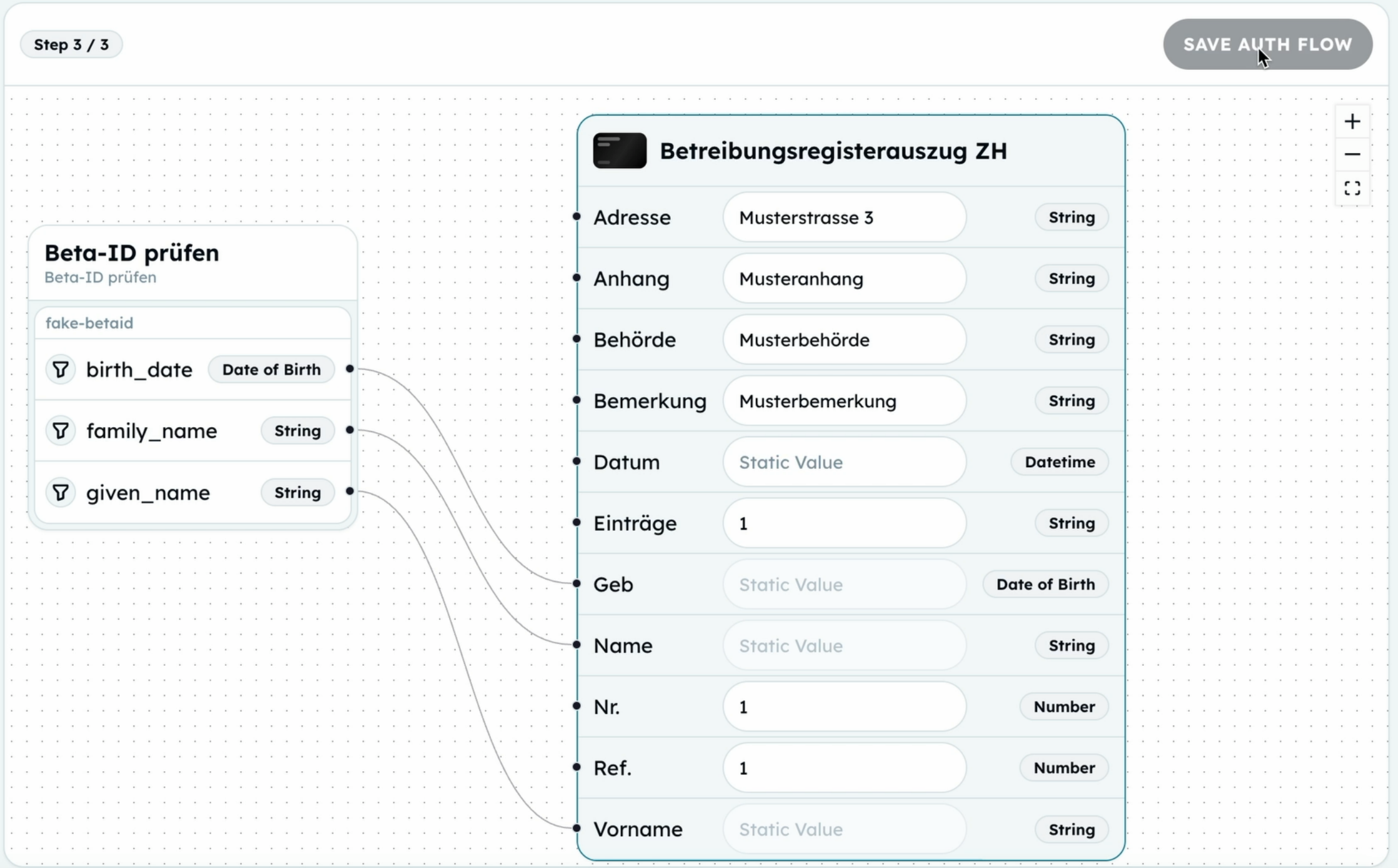
DVS4U

Case ”Extract from the debt enforcement register”

Presentation During Issuance

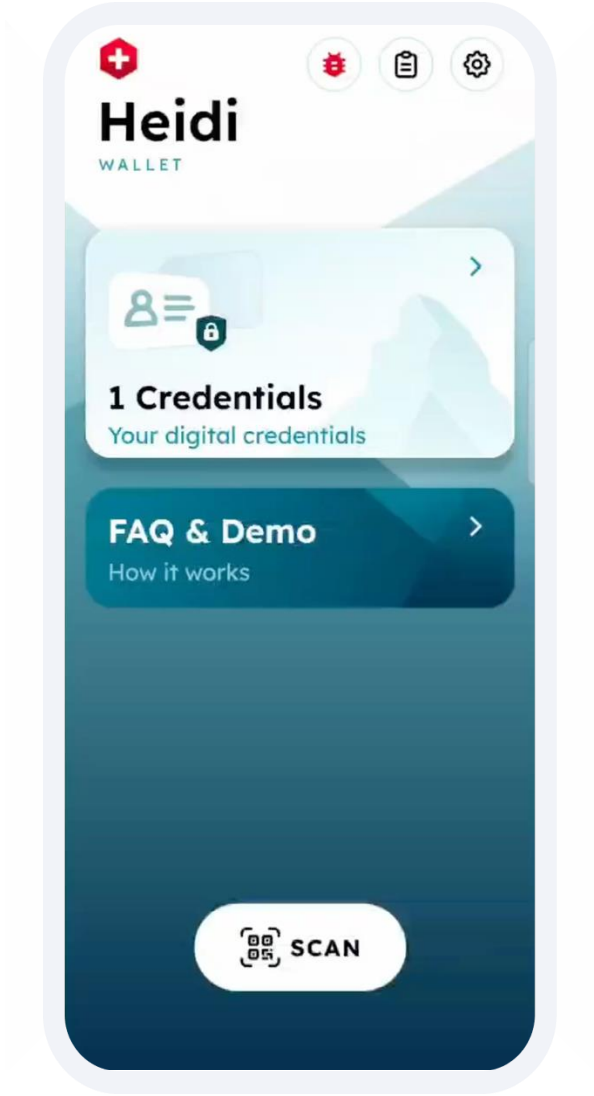
Beta ID → Extract from the debt enforcement register

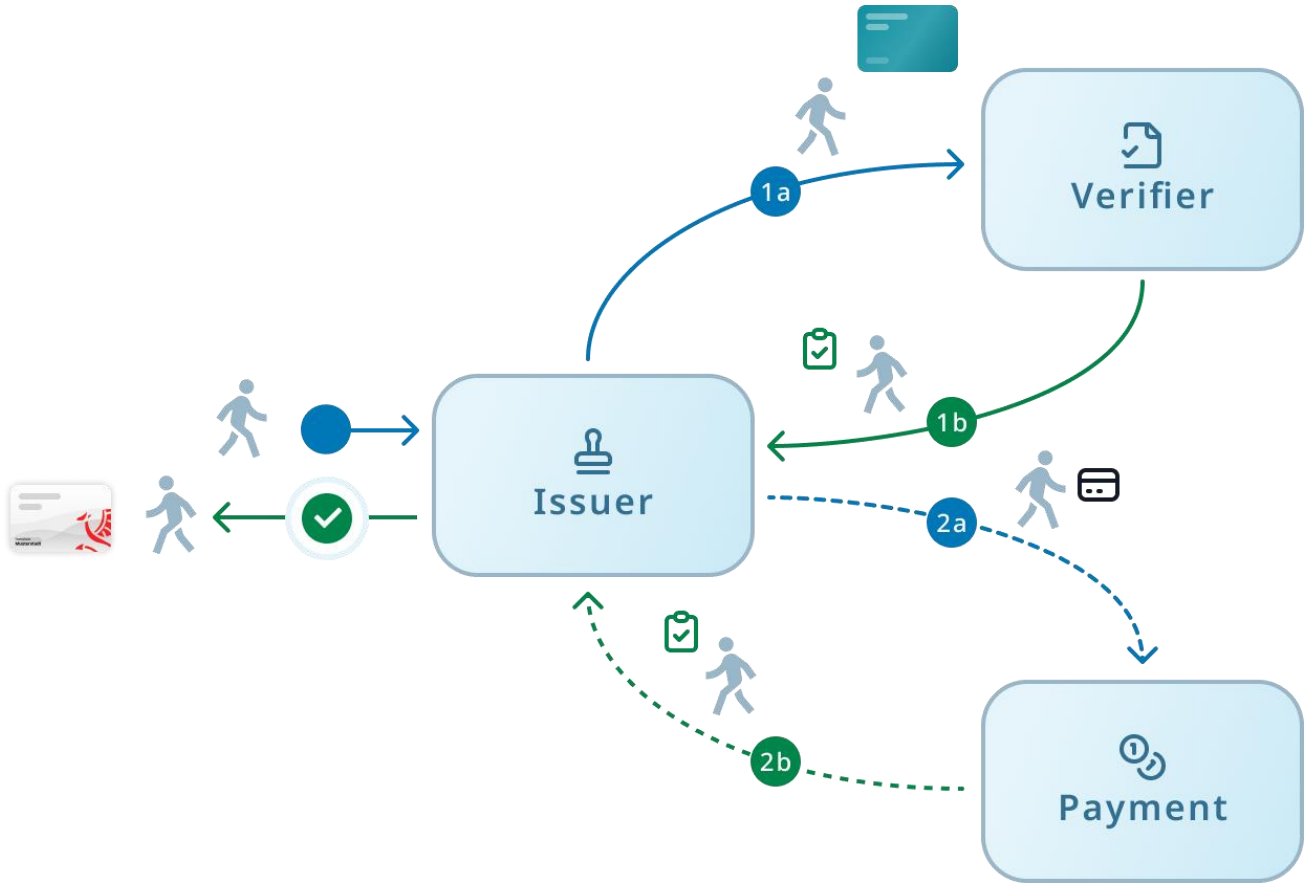



Step 3 / 3
SAVE AUTH FLOW
Beta-ID prüfen
Beta-ID prüfen
fake-betaid
birth_date
Date of Birth
family_name
String
given_name
String
Betreibungsregisterauszug ZH
Adresse
Musterstrasse 3
String
Anhang
Musteranhang
String
Behörde
Musterbehörde
String
Bemerkung
Musterbemerkung
String
Datum
Static Value
Datetime
Einträge
1
String
Geb
Static Value
Date of Birth
Name
Static Value
String
Nr.
1
Number
Ref.
1
Number
Vorname
Static Value
String

Presentation During Issuance

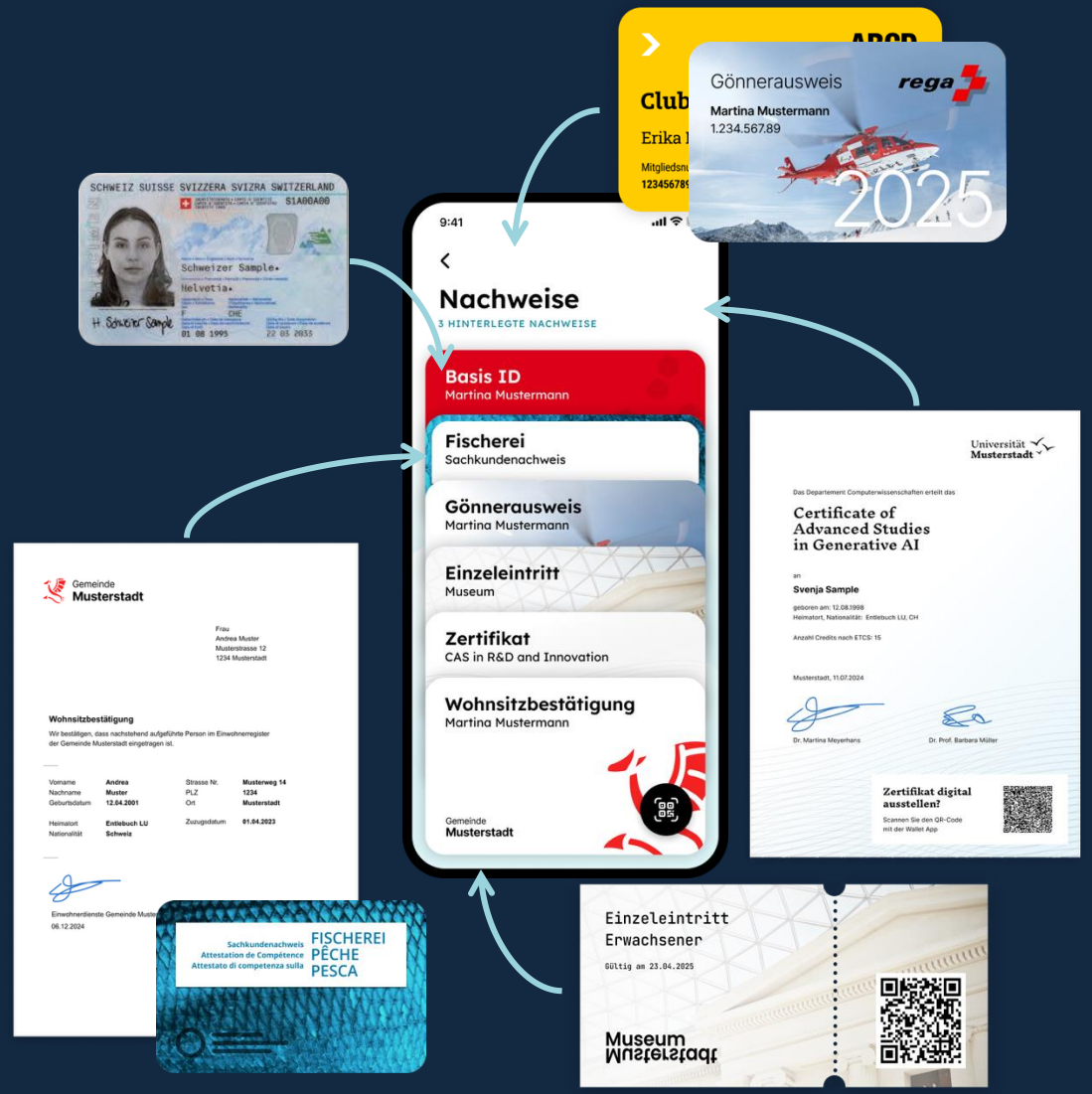
Beta ID → Extract from the debt enforcement register





What else...

- **Mehr Cases (DVS, ZVV, Thurgau,...)**
  - Member-Card
  - Tickets
  - Proof of education
  - ...
- **Zero-Knowledge-Proof**
  with Device Binding!
- **SPRIN-D:** EUDI-Wallet
- **Qualified Electronic Signatures (QES)**
- **Digital Credentials API**



Heidi

HEIDI WALLET

The uncomplicated wallet app.

Your digital IDs and proofs, your data sovereignty.

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Demo showcases

Test the Heidi Wallet and the advantages of digital proofs.

www.heidi-universe.ch