

The background of the slide is a high-angle aerial photograph of the city of Zurich, Switzerland. The image captures the dense urban sprawl along the banks of Lake Zurich, with numerous buildings of varying architectural styles, green spaces, and a prominent railway station on the left. The sky is clear and blue.

Partizipationsmeeting

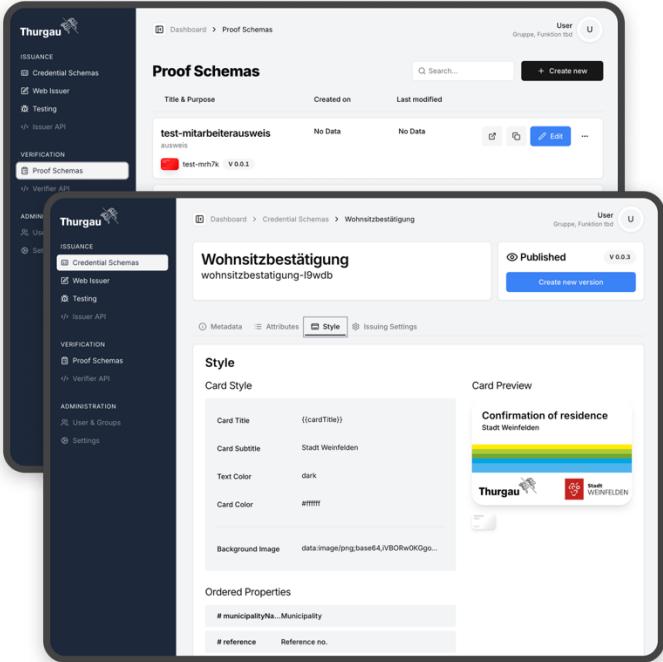
HEIDI Goes Public Beta

08.05.2025

ubique 

Was ist HEIDI?

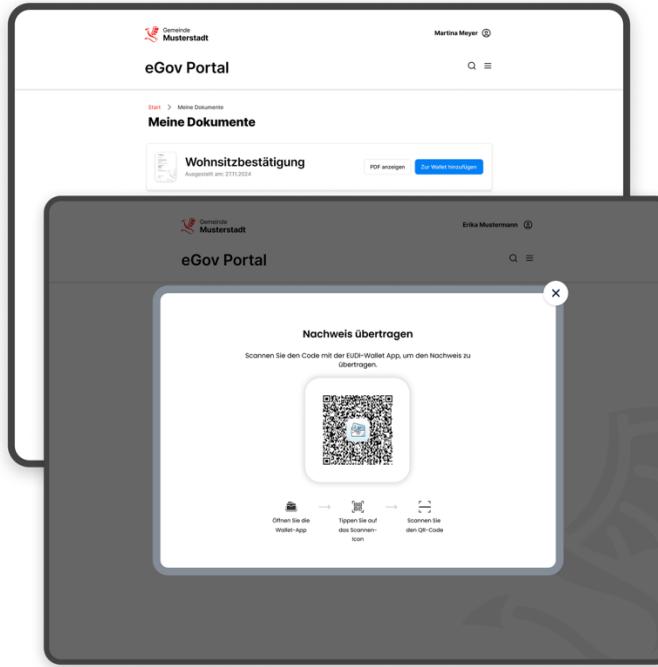
BACKOFFICE



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

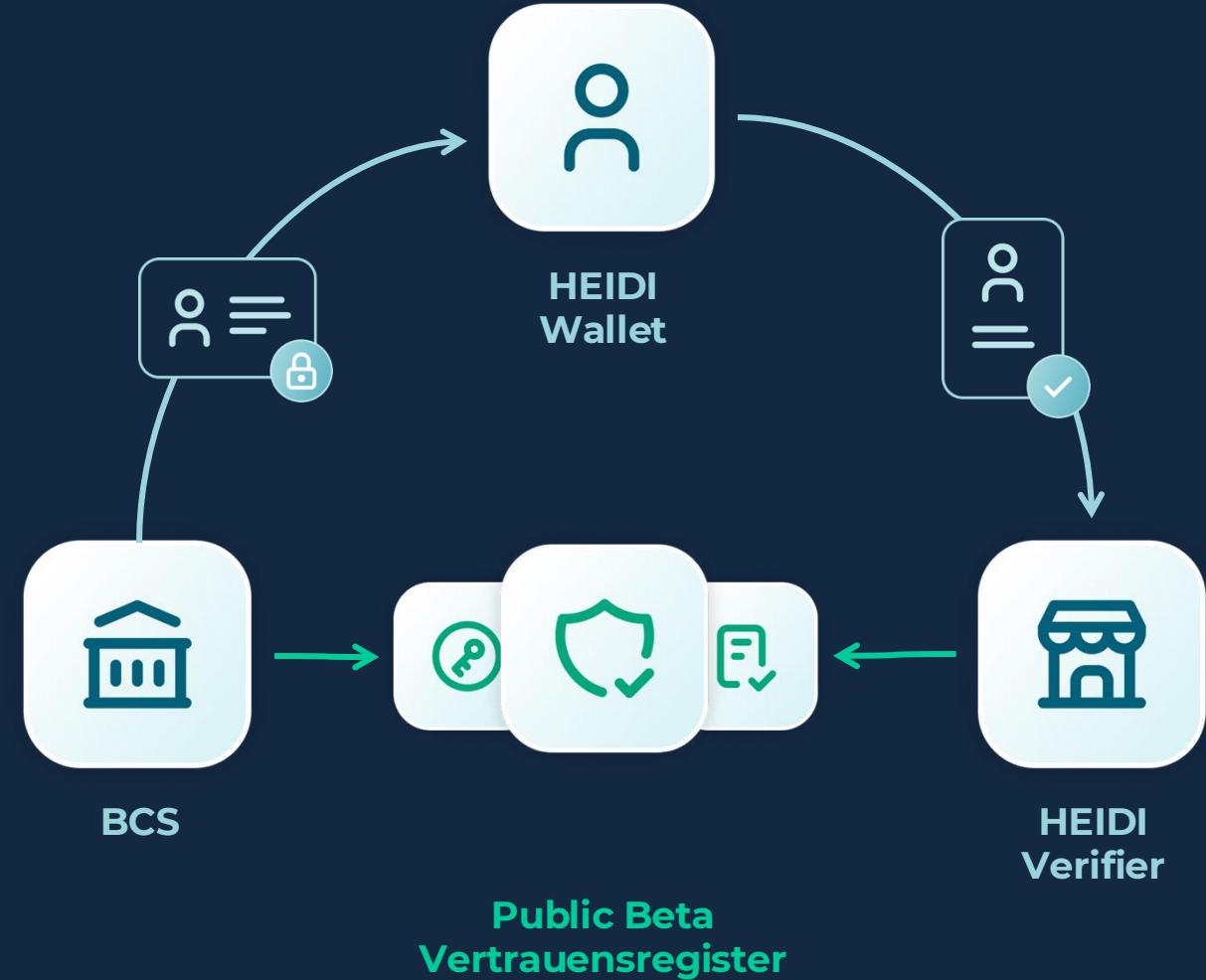
- ✓ Empfängt Beta-ID
- ✓ Anbindung Vertrauensregister

HEIDI Issuer

- ✓ Stellt VCs nach Swiss Profile aus
- ✓ Eingetragen in Vertrauensregister

HEIDI Verifier

- ✓ Kann Beta-ID überprüfen



[Back to the homepage](#)

Request a Beta-ID

Request a Beta-ID from a template

[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 M 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

✖ ✖ ✖

[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- This Beta-ID has not been revoked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

16:28 M

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)	(✓)

Learnings

- **Tooling/Prozesse**

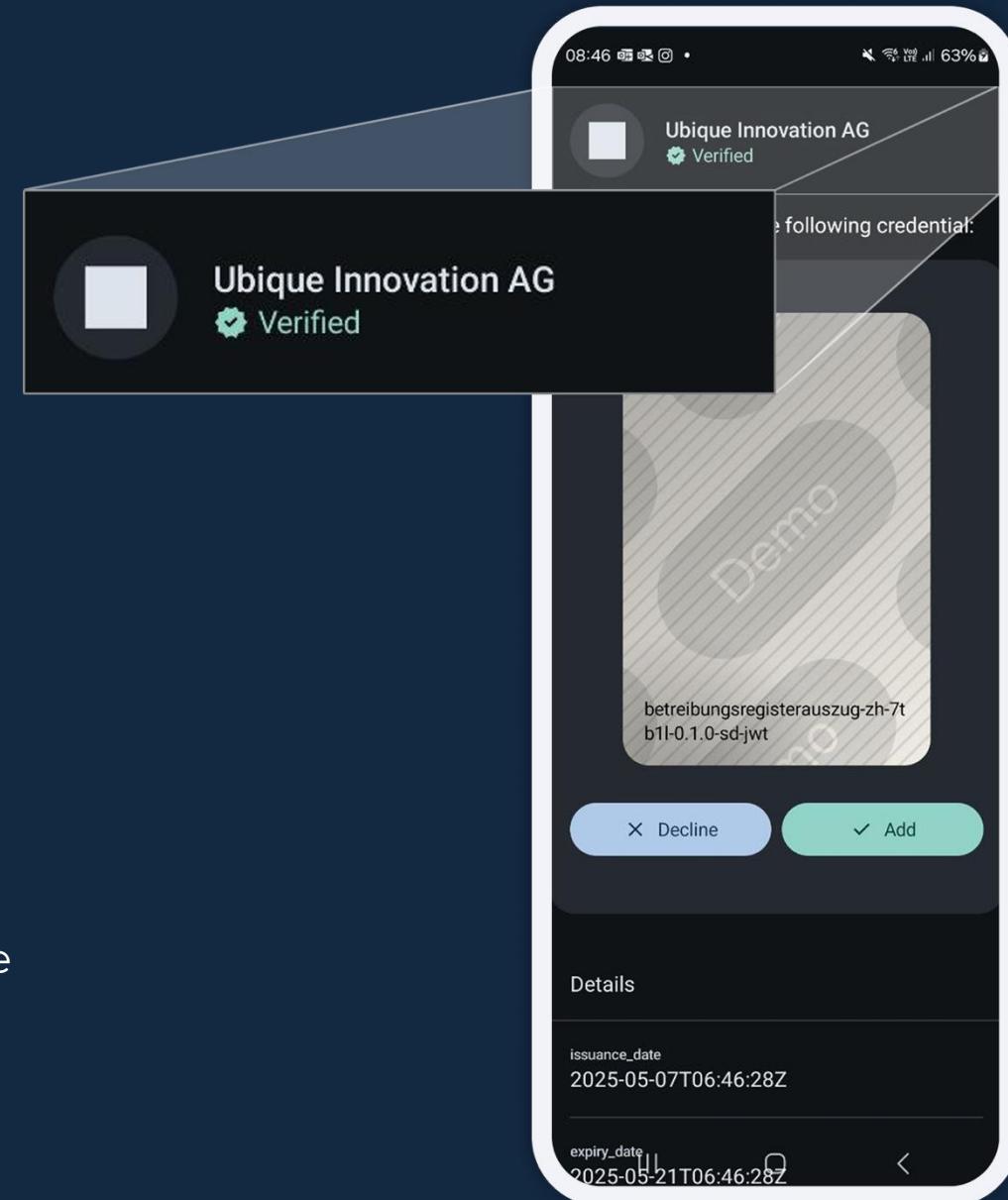
DID-Toolbox: nützlich

Cookbook: hilfreich

Eintrag in Trust Registry: schnell

Wishlist

- API-Spezifikation als Swagger
- Unterstützung für X.509 und P12 Zertifikate



Learnings

- **Protokolle noch nicht Final**

Swiyu

- OID4VCI Draft 13 (2024)
- OID4VP Draft 20 (2024)

Aktuell

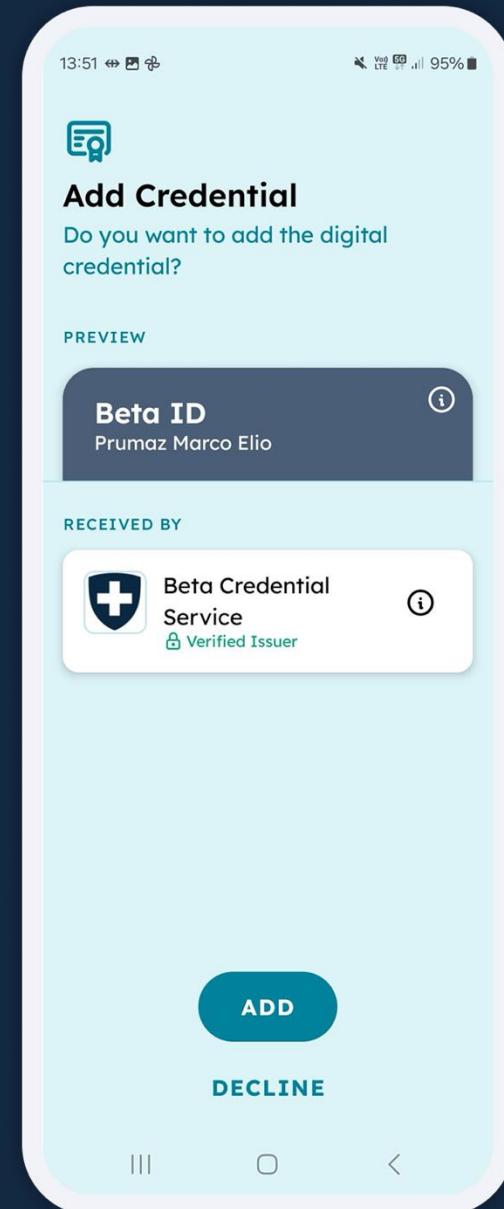
- OID4VCI Draft 15 (2025)
- OID4VP Draft 28 (2025)

The screenshot shows the first page of the "OpenID for Verifiable Presentations - draft 28" specification. At the top, it lists the workgroup as "OpenID Digital Credentials Protocols", published on "24 April 2025", and authored by O. Terbu, T. Lodderstedt, K. Yasuda, and T. Looker, all from SPRIND. Below this is the title "OpenID for Verifiable Presentations - draft 28". A section titled "Abstract" follows, stating: "This specification defines a protocol for requesting and presenting Credentials." The main content starts with "1. Introduction", which explains that the specification builds on OAuth 2.0 [RFC6749] to provide a simple, secure, and developer-friendly layer for Credential presentation. It mentions W3C Verifiable Credentials Data Model [VC_DATA], ISO mdoc [ISO.18013-5], and IETF SD-JWT VC [I-D.ietf-oauth-sd-jwt-vc]. The introduction also notes that OAuth 2.0 [RFC6749] is used as a base protocol because it provides the required rails to build a simple, secure, and developer-friendly Credential presentation layer. Implementers can support Credential presentation and the issuance of Access Tokens for access to APIs based on Credentials in the Wallet. OpenID Connect [OpenID.Core] deployments can extend their implementations using this specification with the ability to transport Credential Presentations. The specification can be combined with [SIOPv2] for features like Self-Issued ID Tokens. It also defines how to use OID4VP in conjunction with the Digital Credentials API (DC API) [DC-API]. The DC API allows Credential Issuers to assert End-User claims using OpenID Connect [OpenID.Core], which enables secure presentation of Verifiable Credentials to the End-User. Access to the DC API is authorized using OAuth 2.0 [RFC6749]. The specification also discusses the pre-defined schema for Credentials and their binding to a holder through Cryptographic Holder Binding. Finally, the "1.1. Requirements Notation and Conventions" section is mentioned.

Learnings

- **Issuer Authentication erst nach Ausstellung**

DID von Issuer nicht in Issuer-Metadaten vorhanden
sondern erst in VC SD-JWT

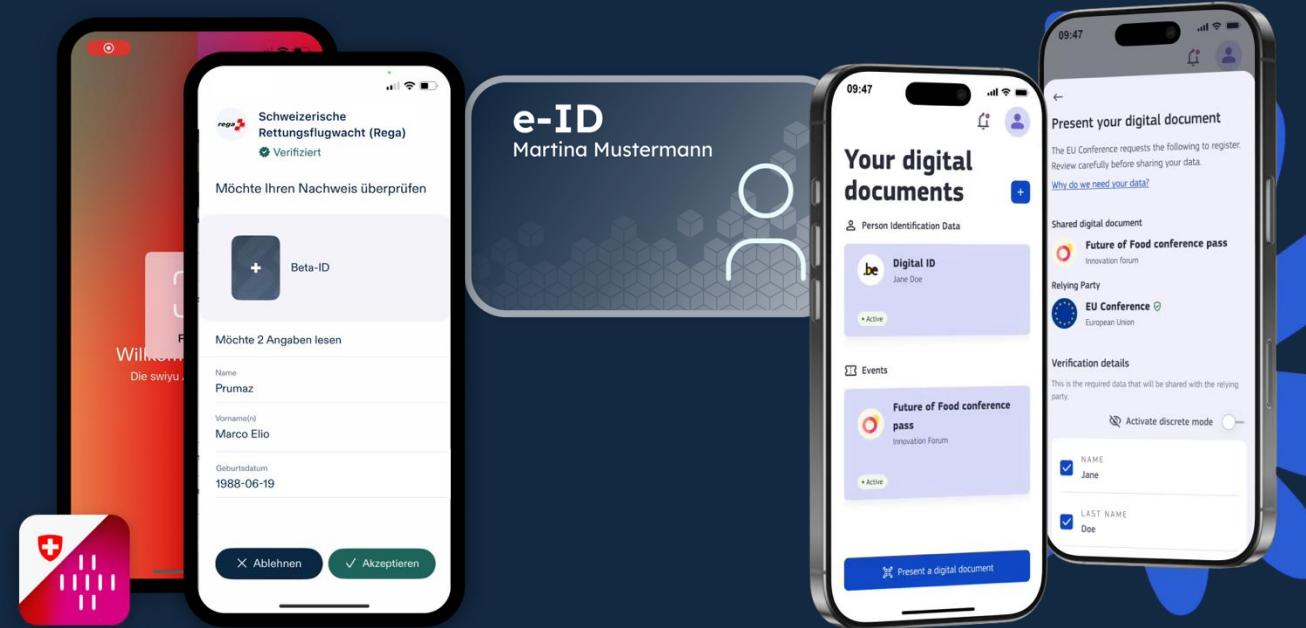


Public Beta

Learnings

- **Support von mehreren Trust Frameworks nicht einfach**

Swiss Profile
EUDI / HAIP



Interoperabilität EUDI



Protokolle

Gleiche Standards



Vertrauens-Framework

Inkompatibel
Unterschiedlich



Schema

braucht Harmonisierung/
Standarisierung

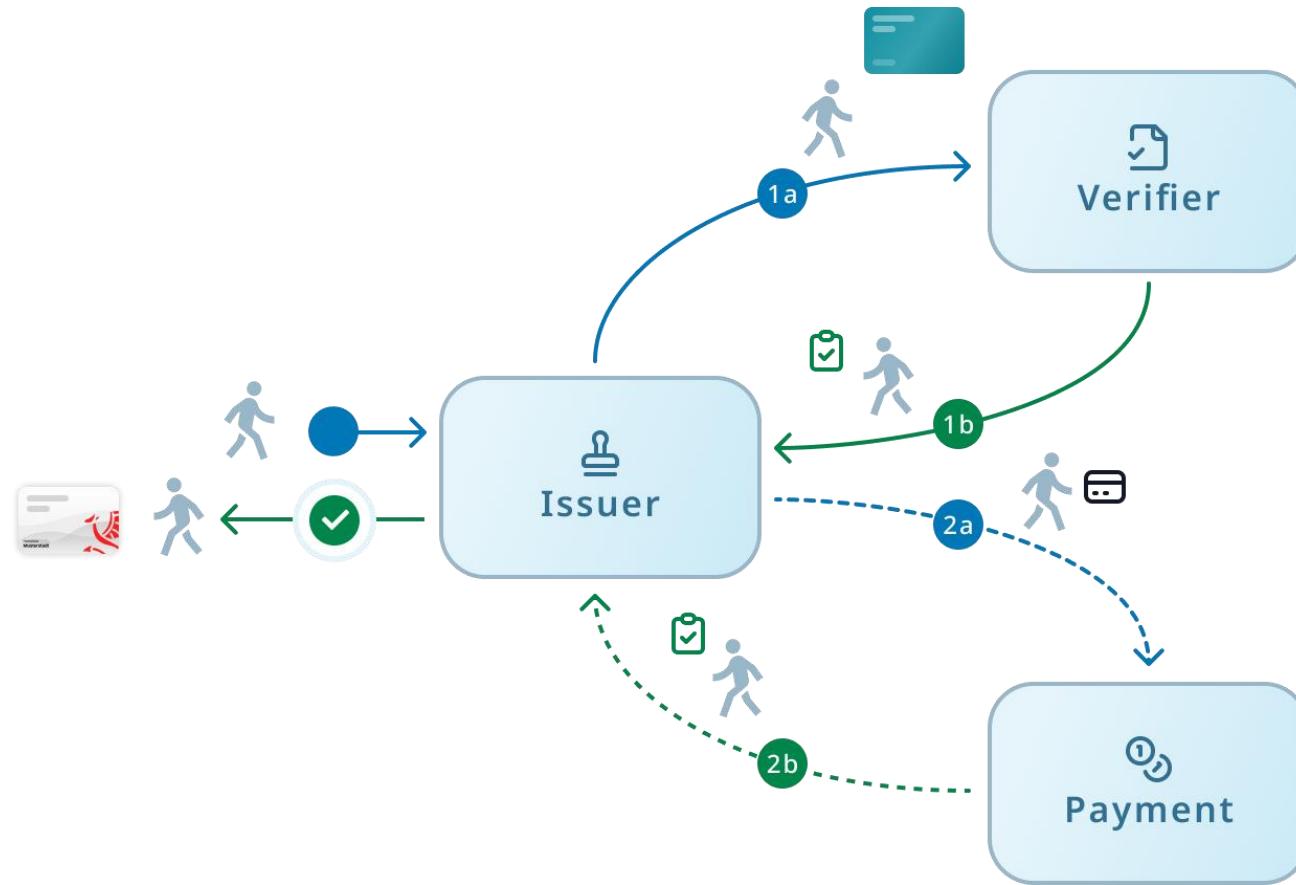
DVS4U

Case

Betreibungsregisterauszug

Presentation During Issuance

Beta ID → Betreibungsregisterauszug



Beta-ID prüfen

Beta-ID prüfen

fake-betaid	
<input type="text"/> birth_date	Date of Birth
<input type="text"/> family_name	String
<input type="text"/> given_name	String

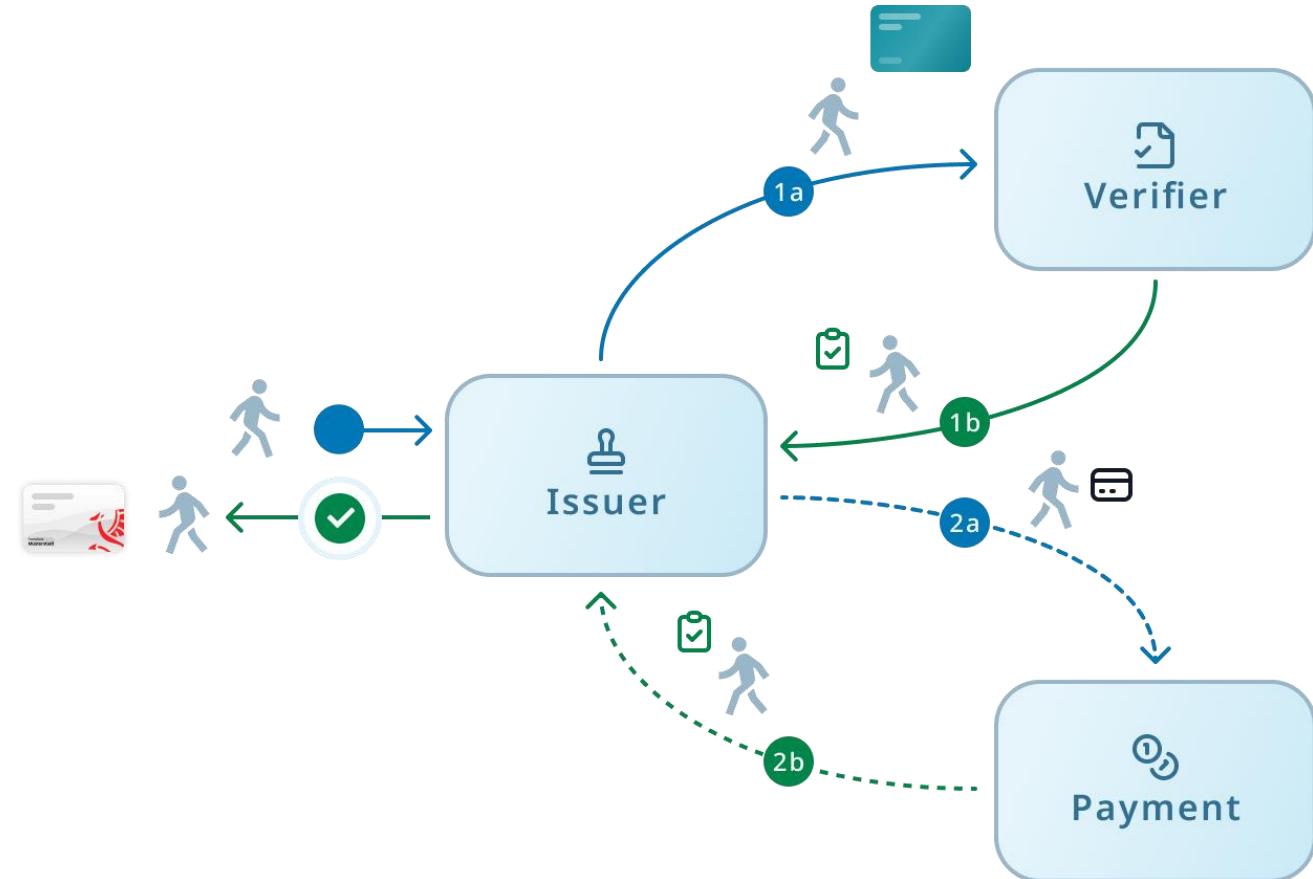
Betreibungsregisterauszug ZH

• 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 → Betreibungsregisterauszug



What else...

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





Heidi

HEIDI WALLET

Die unkomplizierte Wallet-App.

Deine digitalen IDs und Nachweise, deine
Datenhoheit.

JETZT DOWNLOADEN!



Demo Showcases

Teste die Heidi-Wallet und die Vorteile von
digitalen Nachweisen.



www.heidi-universe.ch