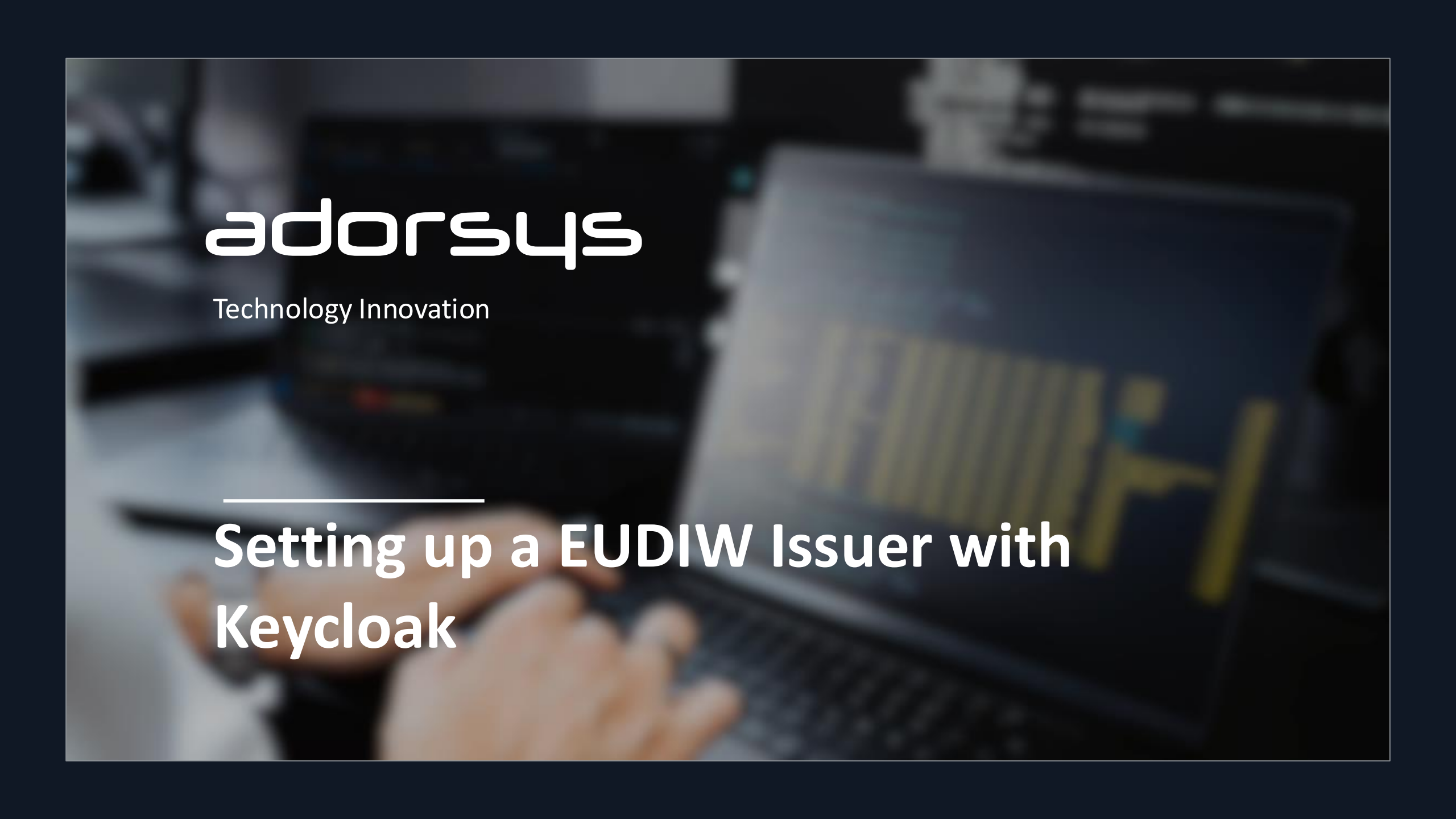




adorsys

Technology Innovation

Setting up a EUDIW Issuer with Keycloak



Hugo Ibanez

- 8+ years SWE
- 4 years with Adorsys as SWE, always working on EUDIW topics. Identity.
- 0 -> 1 Complete EUDIW issuer/verifier suite.
- Guiding a strong offshore team (14 devs)
- Delivery lead - Datev



Contact

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Agenda

1. Why now?
2. Enter the trust triangle
3. Issuance spec
4. OID4VCI is now Preview 🤖
5. KC Config, scripts, how to have it running yourself
6. Customer platform video (Fully working suite)
7. Q&A

Why now?

European Digital Identity



The EU Digital Identity (eID) Wallet is Europe's answer to the challenges of identification. It will enable users to access online and offline public and private services, store and share digital documents, and create binding signatures.

Member States will make wallets available to every citizen, resident and business by the end of 2026.

Trust triangle



 Co-funded by the European Union

Project & Consortium

Wallets use ▾

News corner ▾

Contact  

Institute

Workgroup: OpenID Digital C
Published: 16 September 21
Status: Final
Authors: T. Lodderstedt
SPRIND

OpenID for Verifiable

Abstract
This specification defines an API for

1. Introduction
This specification defines an OAuth of any format, including, but not limited to W3C VCDM [VC_DATA].
Verifiable Credentials are very similar in that they allow a Credential Issuer to issue Verifiable Credentials and a Verifiable Credential Issuer to verify them.
Access to this API is authorized using

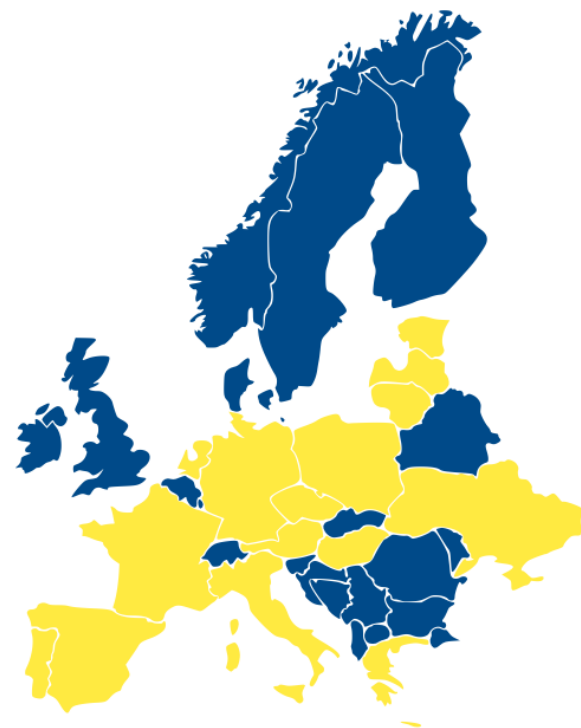


Digital Identity Wallets in Europe: already here, fully deployed by 2026

The APTITUDE consortium, bringing together 117 public and private partners from 12 European countries.

Discover the use cases

The European Wallets map



Let's talk issuance

Issuance spec
Issuance flow

Let's move onto KC

Version 26.8.0 [guide](#).

Security and Standards

Verifiable Credential Issuance promoted to preview with credential management and revocation

The OpenID for Verifiable Credential Issuance (OID4VCI) feature has been promoted from experimental to preview. It can now be enabled with `--features=preview` or `--features=oid4vc-vci`.

Credential lifecycle management now includes revocation when refresh tokens are revoked, and a new Application Initiated Action (AIA) lets users request credential issuance within an authenticated session. Key attestation is configurable in the admin console with hardened x5c certificate validation following the HAIP profile. This release also adds experimental support for the mdoc format, provided by the new experimental feature `oid4vc-mdoc`. Integration guides for the Lissi and Valera wallets are available, along with documentation for SD-JWT signing key setup, credential management, and revocation

Example applications are provided in this release (for illustration, not officially supported):

- [Quickstart OID4VCI deployment](#) - a playground for rapid prototyping with mdoc and SD-JWT credentials
- [OID4VCI Demo in Keycloak FAPI playground](#) - available to show the details of the OID4VCI protocol messages exchanged between wallet and issuer, and to illustrate advanced concepts like proofs, attestation, credential refresh, and more.

The attestation-based client authentication (`client-auth-abca`), pre-authorized code grant (`oid4vc-vci-preauth-code`), REST credential offer endpoint (`oid4vc-vci-rest-credential-offer`), and OpenID4VP (`oid4vc-vp`) remain experimental features.

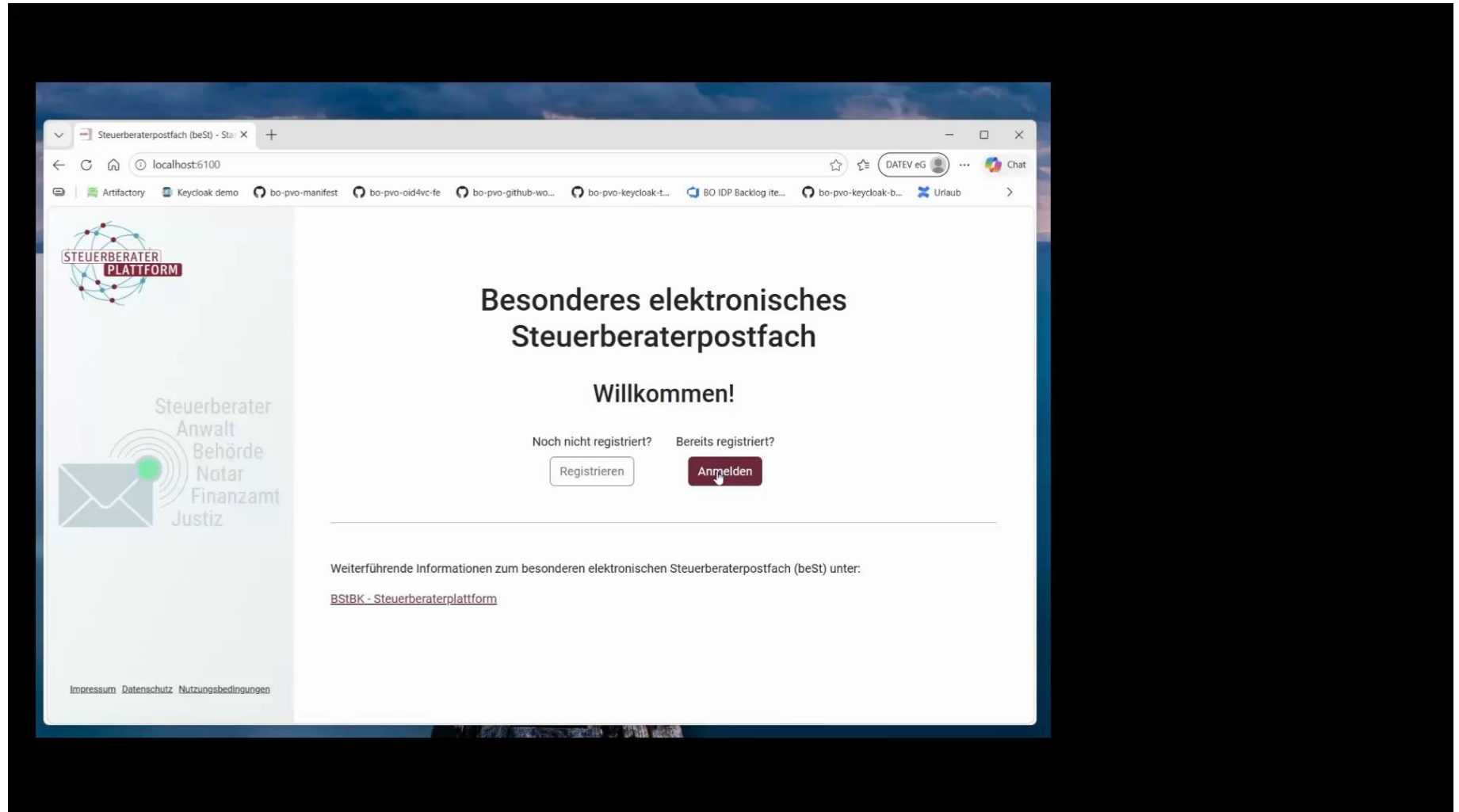
Many community members were involved in the development. Many thanks to Awambeng, Babis Routis, ShurongCAO, Pascal Knüppel, Thomas Darimont, Dominik Schlosser, forkimenjeckayang, Francis Pouatcha, Hager Khamis, Ingrid Kamga, Naman Jain, Asish Kumar, Ogen Bertrand, Hugo Hakim Damer, Rohit Behera, rameshkumarkoyya, Shashank RM, Thomas Diesler, Vinod Anandan, Palpable and Stefan Wiedemann for the contributions!

Link to guide



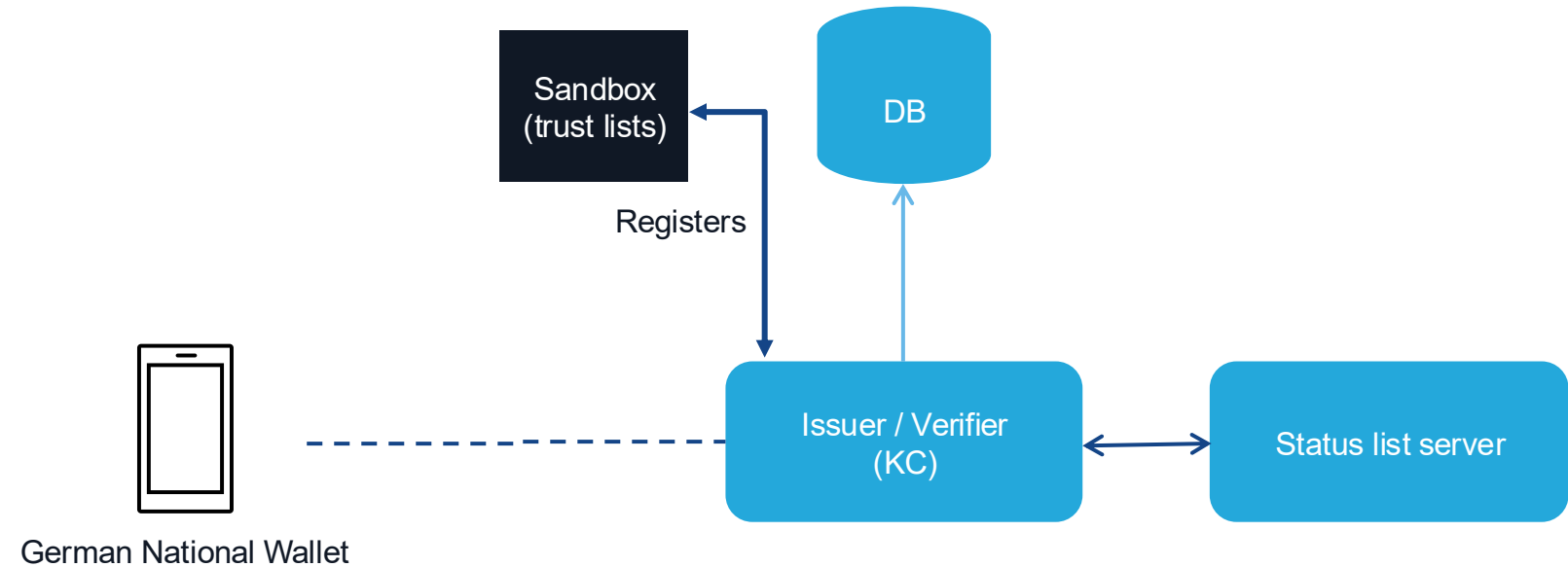
<https://tinyurl.com/5yy7acc4>

What we have inside datev - Video



What we have inside datev

A simplified architecture



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Thank you

Contact us



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"On the Internet, nobody knows you're a dog."