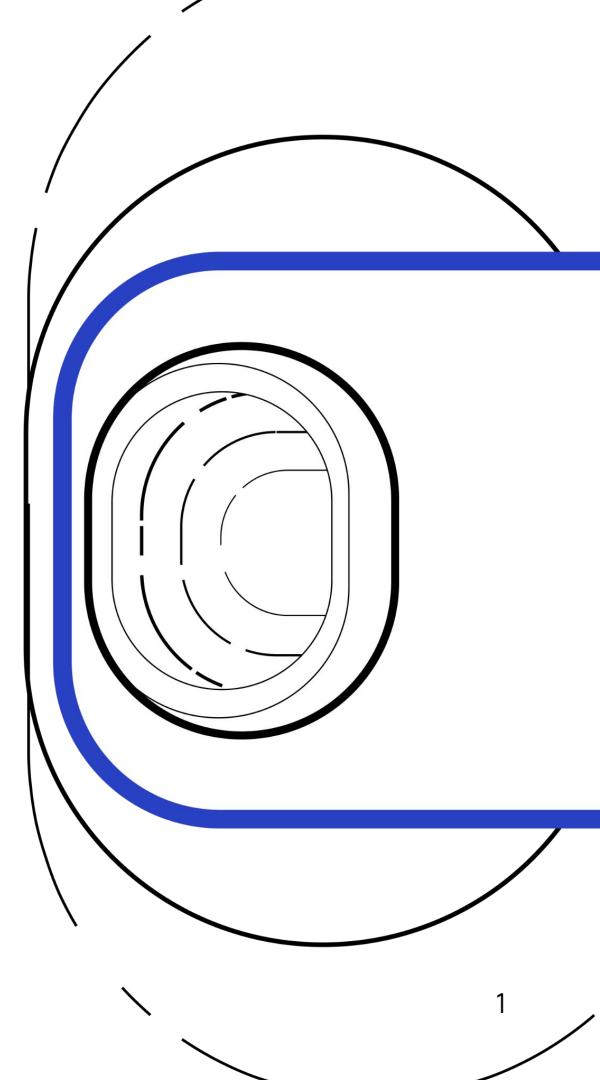


Introducing Lissi GmbH

EUDI-Wallet Connector



lissi.id



eIDAS 2.0 will change identification, authentication and credentialing in the EU

Regulatory environment:

- ✓ eIDAS 2.0 introduces a European Digital Identity Wallet (**EUDI Wallet**) for all citizens in the EU
- ✓ The EUDI-Wallets of all member states must be **interoperable**
- ✓ First governments announced availability by **2025**

Why is eIDAS relevant for you?



There is a regulatory acceptance **obligation** in certain sectors



The use of the wallet can lead to high cost savings, e.g. in **KYC processes**



The wallet offers the opportunity for **process optimisation** and digitalisation



The wallet can be an enabler for **new business models**

The functional scope of EUDI-Wallets goes far beyond mere identification for natural persons

What an EUDI-Wallet **contains**

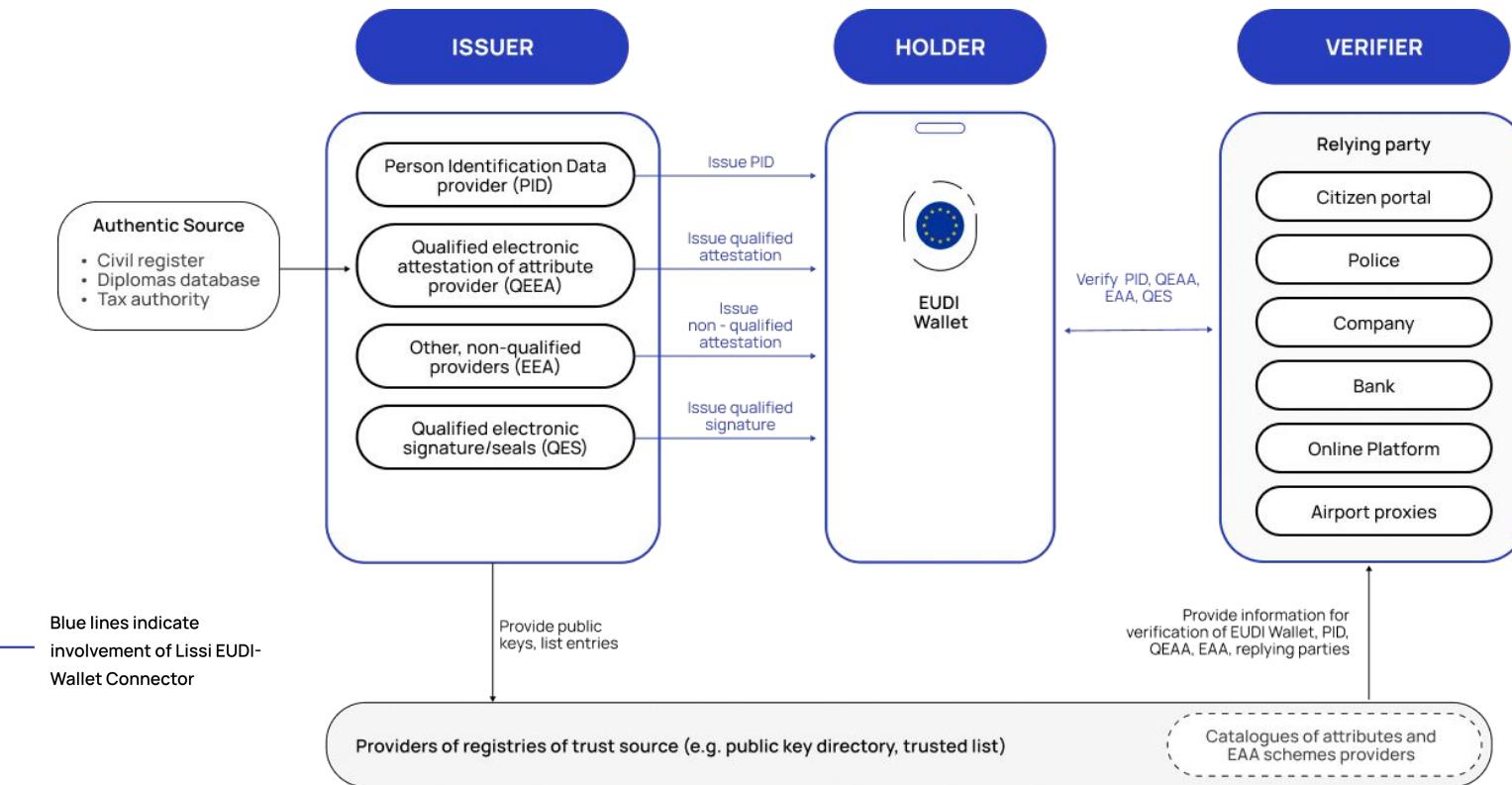
- Person identification**
Data (PID)
- Qualified Attestations**
electronic attributes (QEAA)
- Non-qualified attestations**
electronic attributes (EAA)
- Self-defined attributes**



What an EUDI-Wallet **enables**

- Identification**
- Authentication**
- Approvals**
- Electronic signatures**
- Dashboard**

Depending on the use case you can have multiple roles in the ecosystem



Use cases for the EUDI-Wallet can be found in almost all areas of life



Bank / Insurances

- Strong customer authentication (EAA / 100x)
- Payments (QEAA / 100x)
- Proof of insurance (QEAA / 5x)
- Authentication call center (EAA / 5x)

Telecommunication

- Sim card application (PID, QEAA / 0,3x)
- Authentication call center (3x)

Facility management / Rentals

- Access management (EAA / 200x)
- Physical access (EAA / 400x)

Public sector

- Municipality datacard (QEAA / 20x)
- Season tickets (EAA / 20x)
- Social pass (EAA / 20x)
- Leisure pass (EAA / 20x)
- Fishing license (QEAA / 10x)
- Instructions on infection protection (QEAA / 5x)
- Permission for street musicians (QEAA / 50x)
- Itinerant trade allowance (QEAA / 50x)
- Volunteering card (QEAA / 10x)

Commerce / retail sales

- Customer card (EAA / 50x)
- Discount voucher (EAA / 10x)
- Checkout/ payments (QEAA, 100x)
- Customer onboarding / registration (10x)
- Age verification (QEAA / 5x)
- Product warranty (EAA/ 10x)

Education

- Pupil IDs (EAA / 25x)
- Student IDs (EAA / 50x)
- E-Learning Certificates (EAA / 5x)
- Library card (EAA / 10x)

Traffic / Public transport

- Season tickets public transport (EAA / 200x)
- Ticket booking (EAA / 25x)
- Cars/ Scooter rental (PID, QEAA / 4x)

Logistic / Supply Chain

- Organisation Identity (ODI, QEAA / 50x)
- Masterdata management (ODI, QEAA, EAA, 50x)
- Supplier onboarding (QEAA, EAA, 50x)
- CO2 - evidence (EAA /, 20x)
- Product pass (EAA / 400x)

Work

- Employee identity card (EAA / 200x)
- Access Management(EAA / 400x)
- Passwordless login (EAA / 1.000x)
- Password reset (EAA / 3x)
- Proof of profession (QEAA / 10x)
- Qualifications / trainings (QEAA, EAA/ 5x)

Tourism

- Check-in (PID, QEAA / 5x)
- Cure & guest card ((Q)EAA / 5x)
- Hotel-/ room card (EAA / 14x)
- customer card (EAA / 5x)
- Travel voucher (EAA / 3x)

Media / Social Media

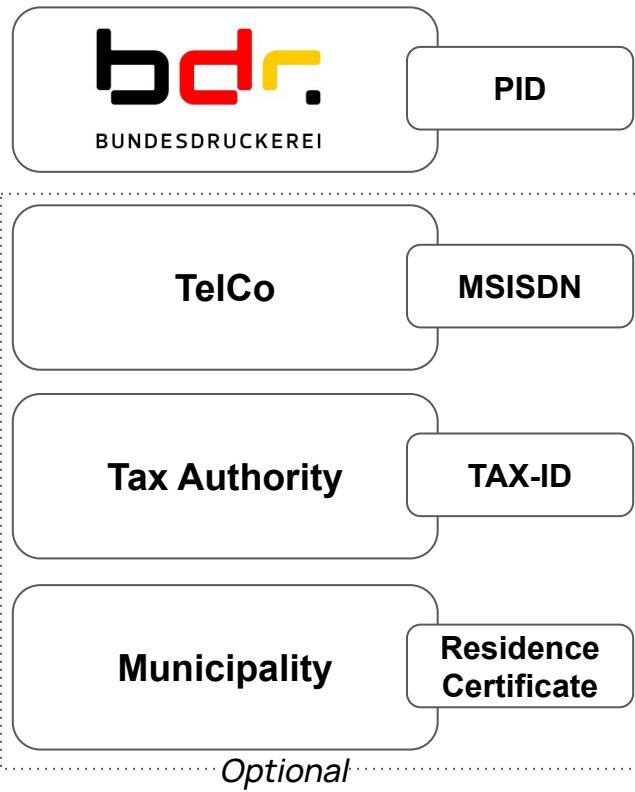
- Passwordless login (EAA / 300x)
- Customer onboarding (EAA / 10x)
- Age verification (PID / 4x)

Leisure

- Membership pass (EAA / 50x)
- Access management (EAA / 50x)
- Event tickets (EAA / 20x)
- Playing-/start allowance (EAA / 20x)

Example flow: Bank account opening use case in the Potential consortium

Issuer



Wallet holder

An organization is asking for information: Identity verification for bank account opening at ABC Bank.

KYC Demo (Contact is verified)

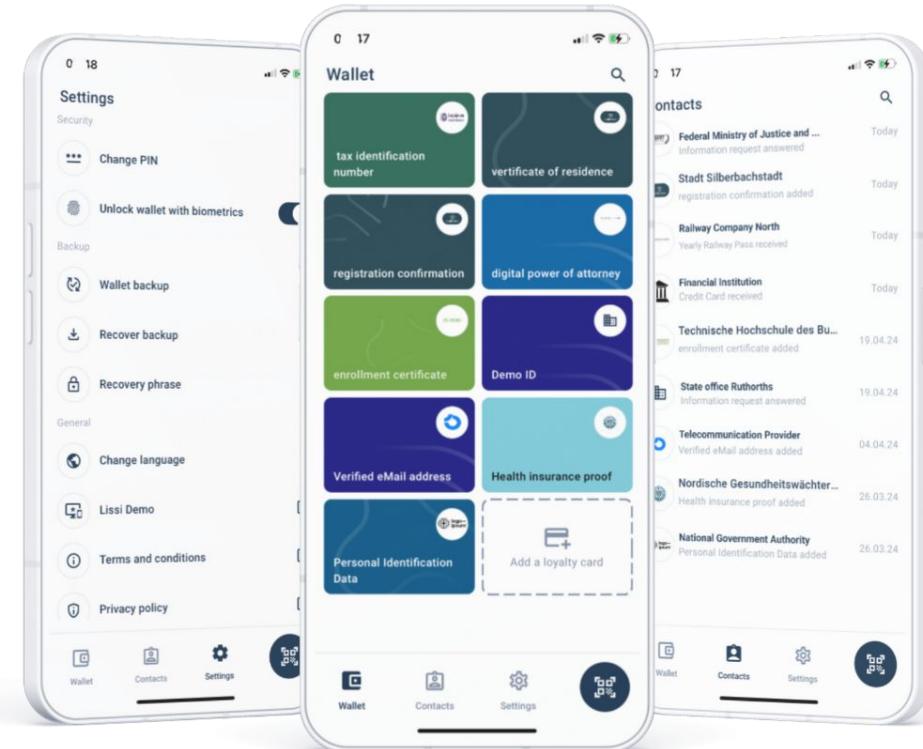
Identity Card
Bundesdruckerei GmbH

Address:
Postal Code: 51147
Country: DE
Locality: KÖLN
Street: HEIDESTRASSE 17
Surname: MUSTERMANN
Date of birth: 1984-01-26
Given Name: ERIKA

Send Cancel

Relying party





We provide you with an
ARF compatible wallet



Part of the German
EUDI-Wallet Challenge



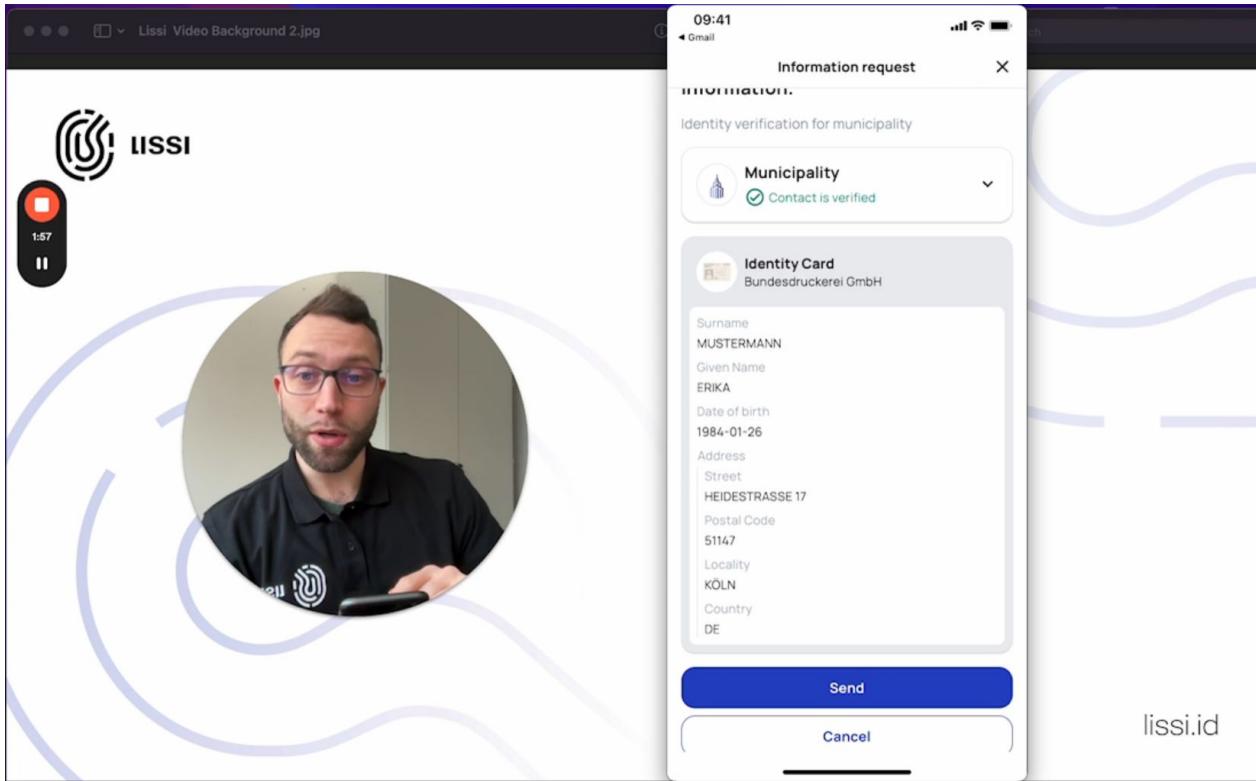
Compatible with
interop-testbed



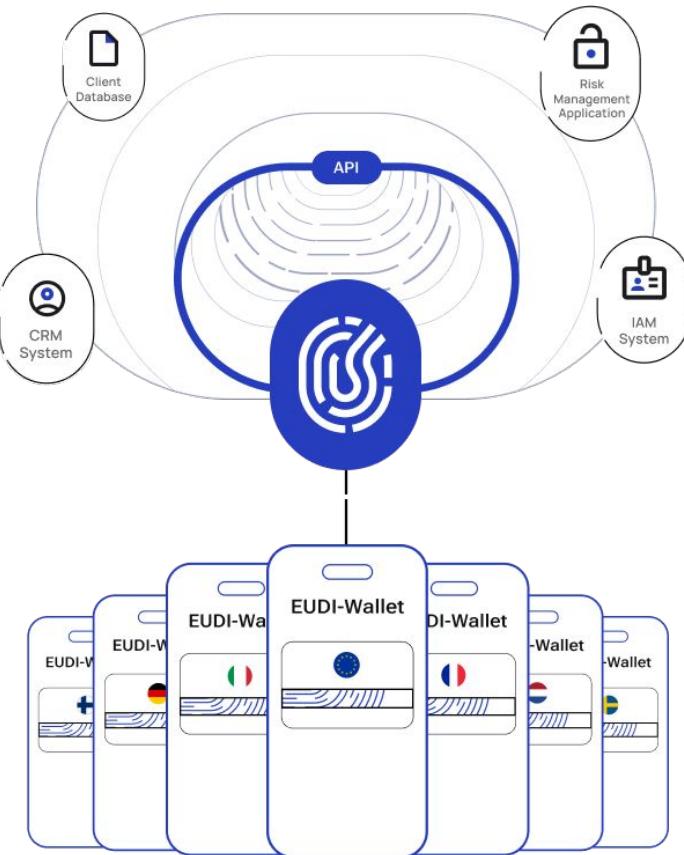
Active interop-testing with all
available applications



Demo Video of use case integration



[Link to video](#)



The Lissi EUDI-Wallet Connector

Features:

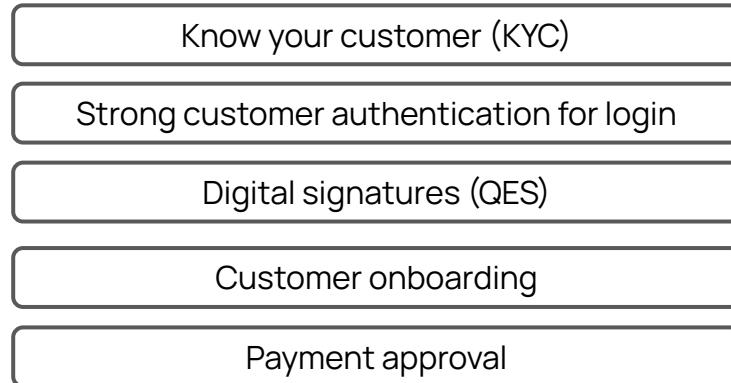
- ✓ Verification of credentials (PID, QEAA, Pub-EAA, EAA)
- ✓ Issuance of credentials (QEAA, Pub-EAA, EAA)
- ✓ Strong customer authentication (SCA)

Capabilities:

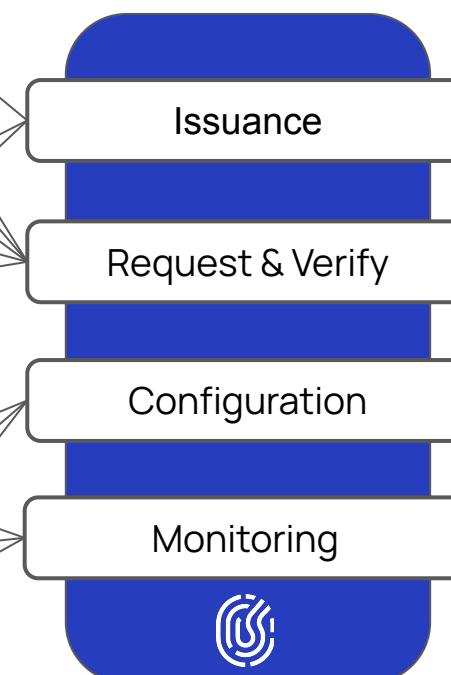
- ✓ Ongoing compliance with eIDAS technical specifications
- ✓ Support for all future certified EUDI-wallets
- ✓ Multi-client capability and monitoring interfaces
- ✓ On-premise hosting, e.g. via Kubernetes
- ✓ Flexible integration into existing IT systems via stable APIs
- ✓ Trust management for credentials

Diagram of connector integration for regulated organisations

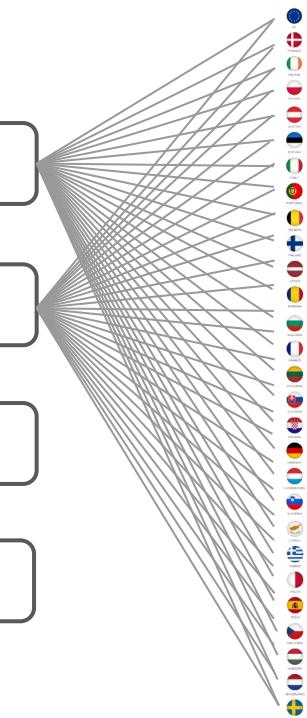
Specialised components / modules



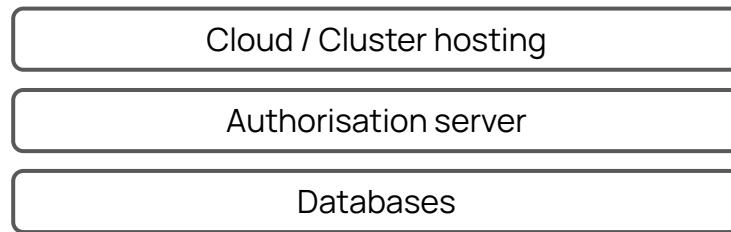
Wallet Connector

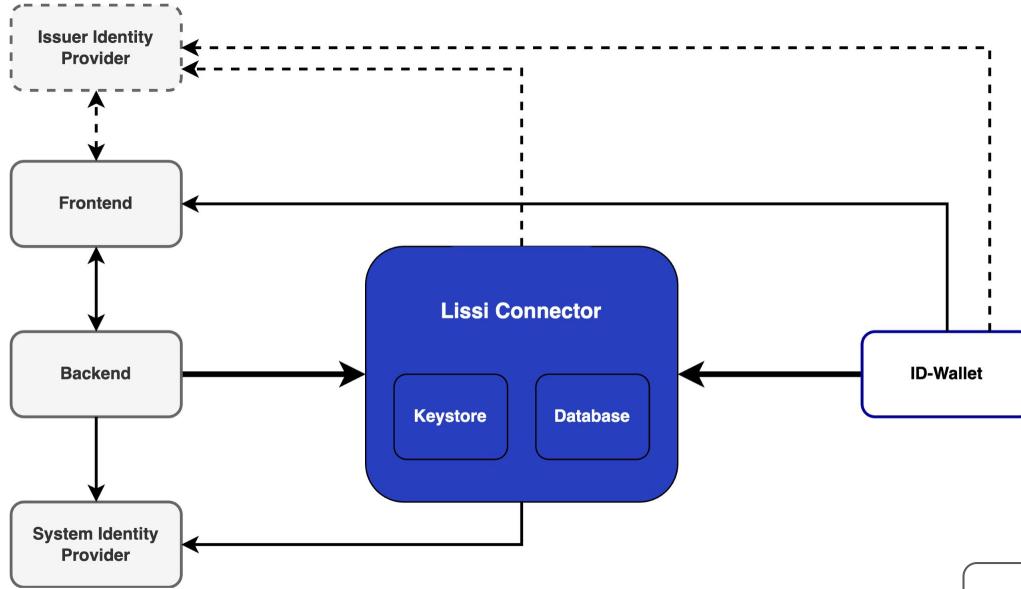


Certified EUDI-Wallets



Technical components





Flexible integration into your existing IT infrastructure

Lissi Connector

Credential Exchange Protocols mentioned in supported protocols
Issues verifiable credentials to the ID-Wallet
Verifies presentation of multiple credentials, is a part of your backend

Database

PostgreSQL database persist the data of the Lissi Connector

Keystore

For secure storage of keys which are required for the issuance of credentials (hardware backed keys)

ID-Wallet

Receives an issued credential from the Lissi Connector
Presents one or multiple credentials to the Lissi Connector.

Frontend

Starting point to initiate credential exchange with wallet / client
Used to serve url-encoded credential offers or presentation requests

Backend

Interacts with the Lissi Connector via a REST API (see API)
Create credential offers presentation requests.
Query the result of a issuance / presentation from the Connector

Identity Provider

The Identity Provider required component (see Identity Provider)
OpenID Connect Identity Provider authenticate requests from Backend to Lissi Connector.

Our guided EUDI-Wallet Starter program sets you up for long term success



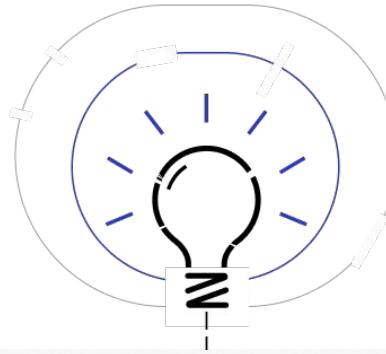
Software Suite

Connector API software

Interact with ALL certified EUDI-Wallets.

ARF compatible wallet

eIDAS Architecture Reference Framework



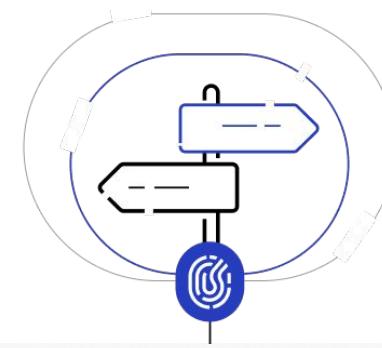
Strategic Insights

From our network

EWC, IDUnion, Potential, SPRIND, OpenID, ETSI, etc.

From our in-house expertise

5+ years experience



Expert Guidance

Business & IT workshops

Guidance from our expert team

Partnership program

Professional integration partnerships

We enable you to evaluate our offer before a **long term commitment**

	Free Test	Starter Program	Production
Purpose	<i>Evaluation of our offer</i>	<i>Get your overall system ready</i>	<i>Execute productive use cases</i>
Benefits	<ul style="list-style-type: none">✓ Access to API & documentation✓ Business onboarding✓ Fast learning curve✓ Technical Support	<ul style="list-style-type: none">✓ Full access to feature set✓ Technical onboarding & continued support✓ Customer success sessions✓ Regular software updates according to ARF	<ul style="list-style-type: none">✓ Usage for productive use cases✓ Continued support of all certified EUDI-Wallets✓ Advanced service level agreements✓ Guarantee of high scalability
Hosting	Our cloud environment	Your IT-environment	Your IT-environment
Time	4 weeks	12 months	Long-term

Selected Partners & Clients of Lissi GmbH



Stadt Leipzig



▲ Hochschule Harz
Hochschule für angewandte
Wissenschaften

We participate in the most important eIDAS 2.0 research and development **initiatives**



EU Large Scale Pilot

- Associated Member
- Contributor of the payment task force led by VISA
- Compatible with the Interop-testbed
- Contributed to multiple milestones



EU Large Scale Pilot

- Active interoperability testing
- Participate in hackathon
- Provide EUDI-Wallet
- Provide issuance and verification software to multiple members



German EUDI-Wallet Challenge

- Selected as one of the 4 final teams
- We kicked out Google and Samsung
- Integrated German eID / PID
- Support of multiple relying parties (banks)

Looking forward to working with you



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Armin Grimm

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Lissi GmbH

- ✓ Software house for EUDI-Wallet APIs
- ✓ Spin-off of Neosfer, Commerzbank's innovation unit
- ✓ 5+ years of experience with ID-Wallets
- ✓ Head of the IDunion research project
- ✓ Fostered by the German Government
- ✓ European Wallet Consortium & German Wallet Challenge.
- ✓ Offices in Berlin and Frankfurt am Main

[Book a call with us](#)