

# Decentralized identity & wallet infrastructure.

Powerful open source solutions for every industry.

Trusted by +6.000 developers and organizations across industries.

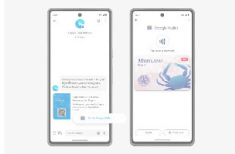


The world is changing ...



# Identity wallets are here.

**Google Wallet is getting custom cards and state IDs this month**



**Businesses will be able to accept IDs in Apple Wallet with iOS 17, among other changes**



European Commission | English | Search

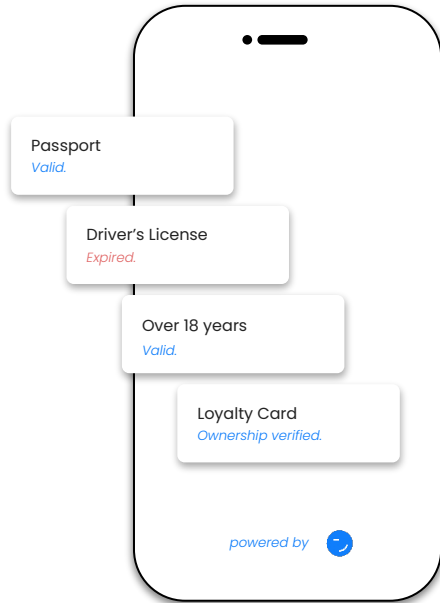
Home > Press corner > Provisional political agreement EU Digital Identity Wallet

Available languages: English

Press release | 29 June 2023 | Brussels

**Commission welcomes provisional political agreement on EU Digital Identity Wallet, Europe's first trusted and secure digital identity app**

... into a better, wallet-centric world.



Share any data.  
Easy. Secure. Private. Verified.

- Frictionless onboarding
- Data & ID verification
- Compliance (AML, eID)
- New products & revenue models

# Businesses ~~want~~ need to adopt, but ...



Problem 1

## Complex Technology

Decentralized Identity requires complex, novel technologies & standards.

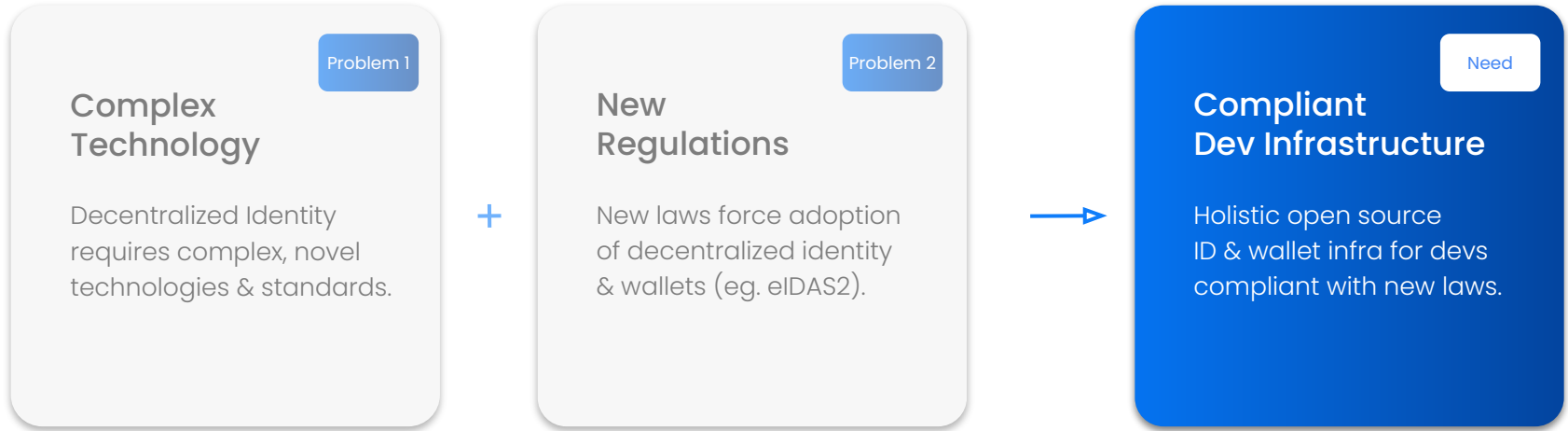
+

Problem 2

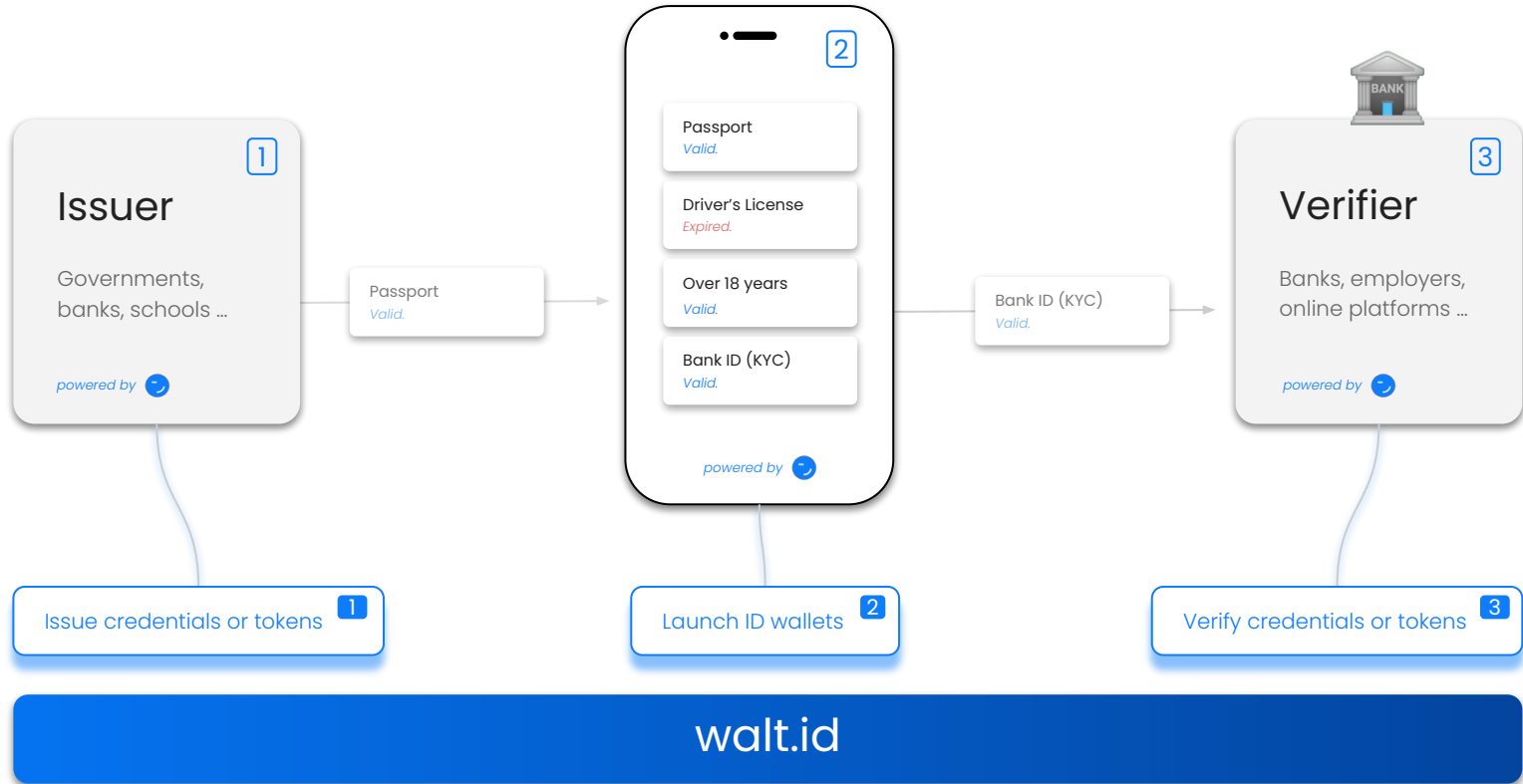
## New Regulations

New laws force adoption of decentralized identity & wallets (eg. eIDAS2).

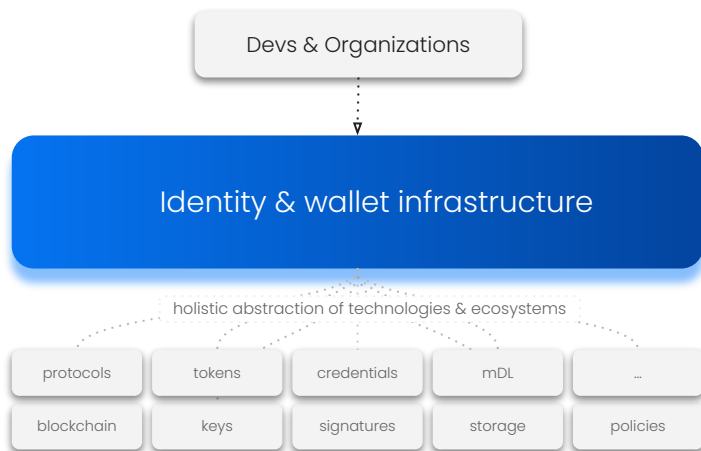
We make adoption easy for businesses.



# We enable organizations to leverage digital identity.



# Holistic, future-proof solution for organizations.



## Powerful identity & wallet infrastructure for developers & businesses.

**Multi-ecosystem**  
*Any chain or eID scheme*

**Any identity "flavor"**  
*SSI, mdocs, NFTs/SBTs*

**Holistic abstraction**  
*Usability & interoperability*

**Backwards compatible**  
*Integrates with legacy infra*

**Composable**  
*Add 3rd party services (keys, sigs)*

**Secure & Compliant**  
*Peace of mind (incl. EU's new eID, crypto laws)*

# Our solutions at a glance.

## Applications

### Claim Pages

White label

Pages that enable users to claim credentials or tokens.

### Wallet

White label

Enable users to manage credentials or tokens.

### Verify Pages

White label

Pages that enable users to share credentials or tokens.

### Onboarding Flows

White label

Offer traditional ID verification to onboard 1st time users.

## Infrastructure

### Issuer

SDKs & APIs

Create, sign and issue identity credentials or tokens.

### Wallet

SDKs & APIs

Build identity wallets or embed them in your app.

### Verifier

SDKs & APIs

Verify and process identity credentials or tokens.

## Integrations

- Key management (KMS)
- Trust Service Providers
- Identity Verification (IDVs)
- Identity and access (IAM)
- Identity Provider (OIDC)



# All-in-one solution for digital identity and wallets.



## Any Ecosystem

Use traditional/centralized or blockchain-based ecosystems in Europe and Canada.

## Any identity flavor

Use Self-Sovereign Identity (SSI), mdocs / mDL, non-fungible & soulbound tokens (NFTs, SBTs).

## Any Use Case

Enable solutions for regulated (eID, AMLR, TFR) & unregulated use cases across jurisdictions.

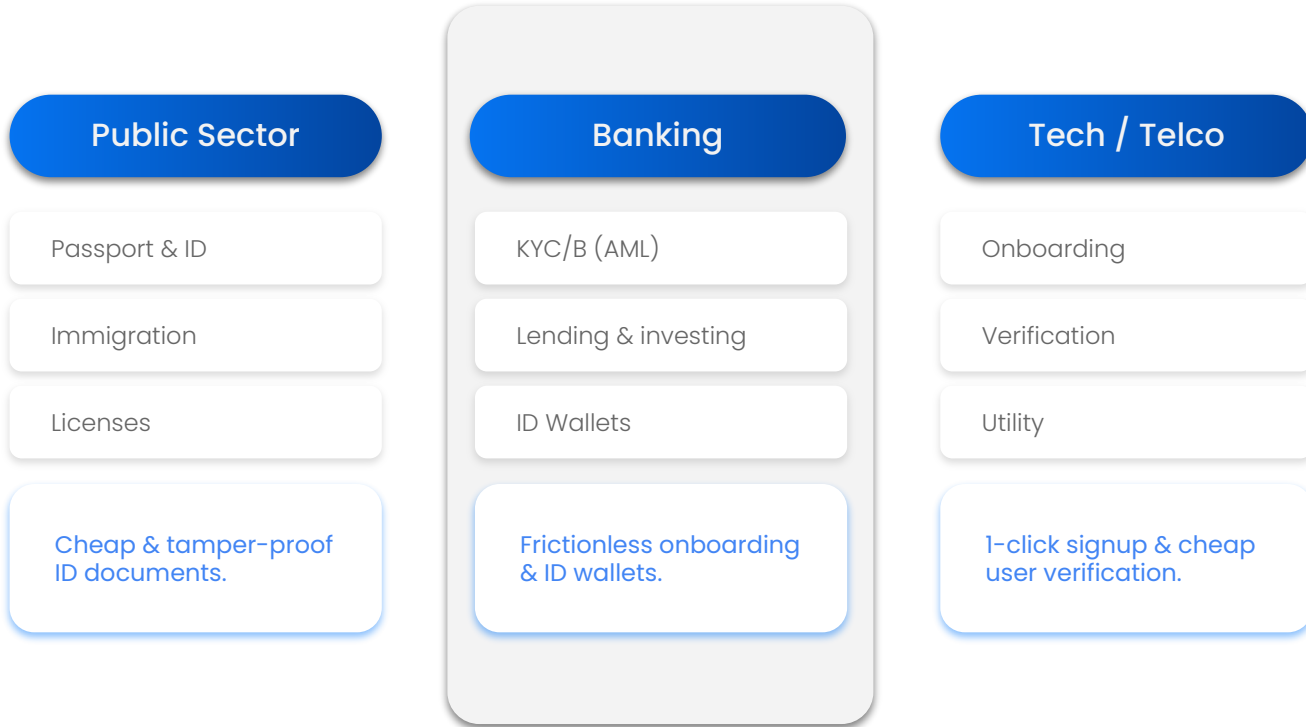
## Any Platform & Language

Native solutions in Kotlin/Java are complemented by multi-platform libs available in any language.

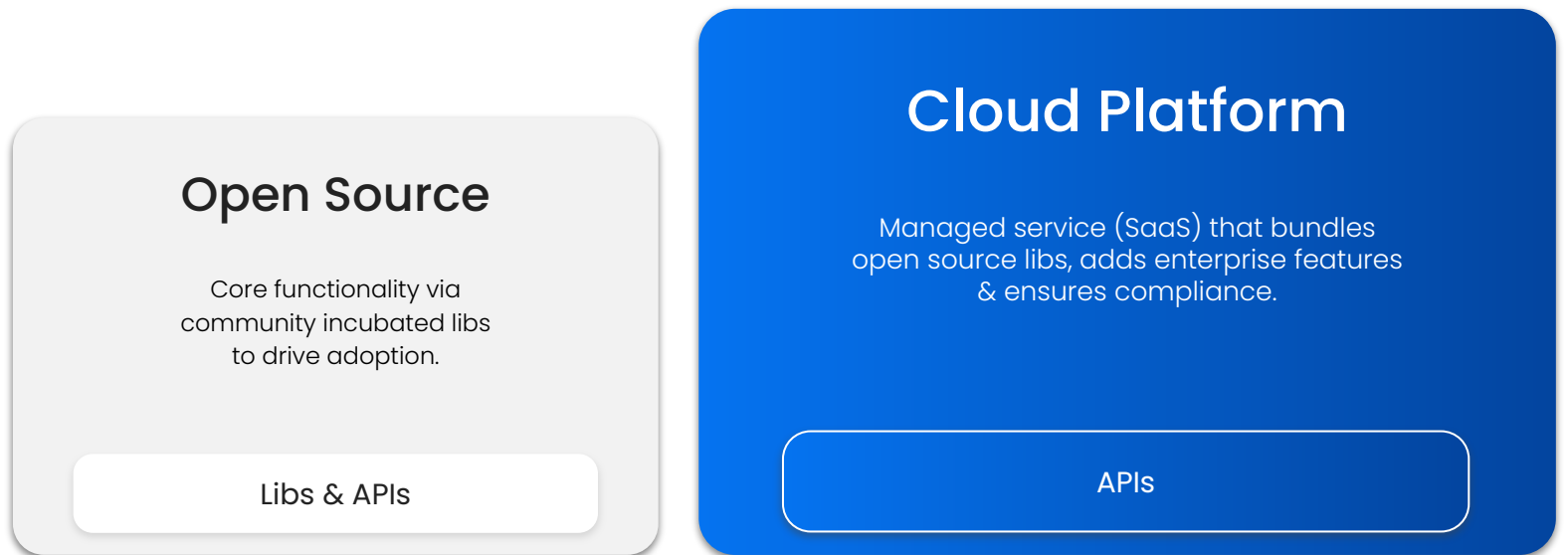
We enable use cases across industries. For example:



Value



# Our model: Open Source + Hosted Cloud.



Manage yourself (on-prem, cloud)

Managed cloud service (SaaS)





## Open Source

Manage yourself | *Forever free*

- Issue & verify credentials
- ID wallets
- Integrate with business apps, key stores and databases
- Compliant with regulations and industry standards
- Best effort support

## Enterprise

Manage yourself | On-premise

- Everything from “Open Source”
- Dedicated onboarding
- Integration assistance
- Priority support
- (Optional: SLA)

starting at EUR 2.000 / month

## Cloud

Managed Service | SaaS

- Everything from “Open Source”
- Dedicated onboarding
- Easy-to-use APIs
- Scalable cloud service
- Priority support (SLA optional)

starting at EUR 99 / month

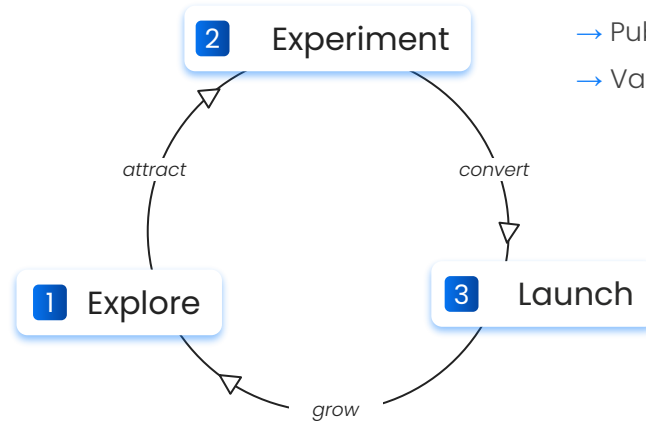
We also offer [pilot projects at a flat rate](#) to help you get started.

# We take organizations from exploration → adoption.



## Getting started.

- Decentralized identity 101
- Tech & use case evaluation
- Open Source Code



## Build pilots.

- +6k devs & organizations
- Public & private sector clients
- Various industries & regions

## Launch app or use case.

- Flexible options (on-premi, cloud, SaaS)
- Backwards Compatible
- Support & Training

## Selected clients & partners

Governments, public authorities, universities & businesses.





# Start your transition **now.**

Documentation

<https://docs.waltid>

Contact us

<https://waltid/contact>



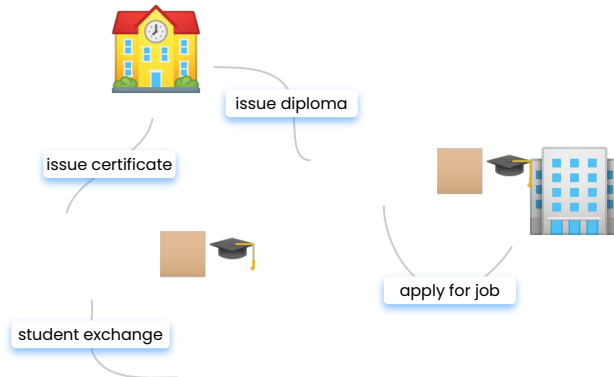
*Click the  
buttons*

# Selected Use Cases



## Diplomas

Issue and verify digital diplomas or certificates.



### Issue Cheaply

Issue digital credentials at a fraction of today's cost.

### Experience

Credentials are easily claimed & stored securely.

### Re-Usable

Seamlessly shared to apply for study programs or jobs.

### Tamper-proof

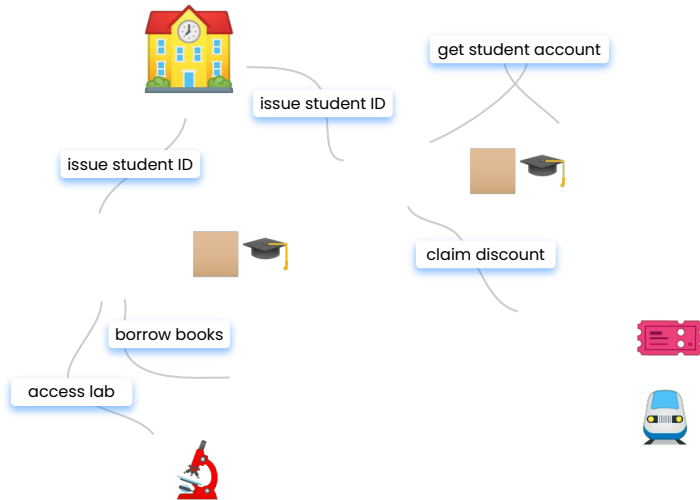
Fraud-resistant credentials cannot be forged or stolen.





## Student ID

Issue and verify student ID or access to venues.



### Onboarding

Offer fast & seamless digital student onboarding.

### Ease of use

Easily claimed & always at hand (mobile, laptop).

### Access & Benefits

Seamless access to venues or digital services & benefits.

### Secure & Reliable

Tamper-proof credentials cannot be forged or stolen.



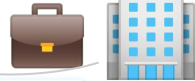
## Skills assessment

Issue and verify digital skills or certificates.



issue diploma

Skills assessment



apply for job

### Issue Cheaply

Issue digital credentials at a fraction of today's cost.

### Experience

Credentials are easily claimed & stored securely.

### Re-Usable

Seamlessly shared to apply for a promotion or a new job.

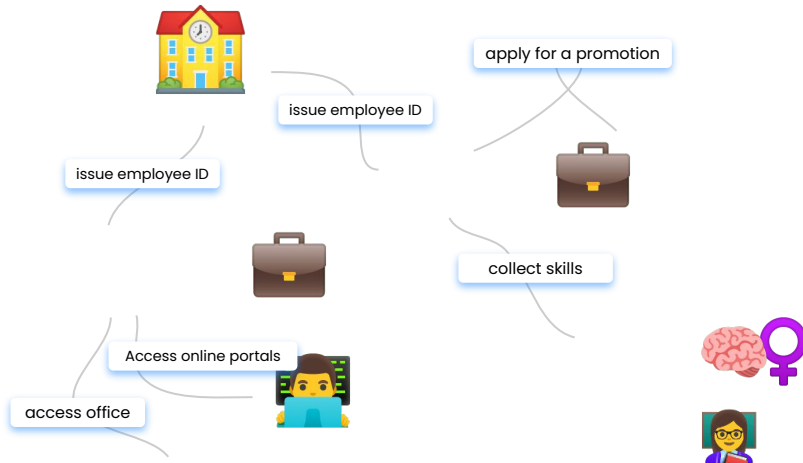
### Tamper-proof

Fraud-resistant credentials cannot be forged or stolen.



## Employee ID

Issue and verify employee ID or access to venues.



### Onboarding

Offer fast & seamless digital employee onboarding.

### Ease of use

Easily claimed & always at hand (mobile, laptop).

### Access & Benefits

Seamless access to venues or digital services & benefits.

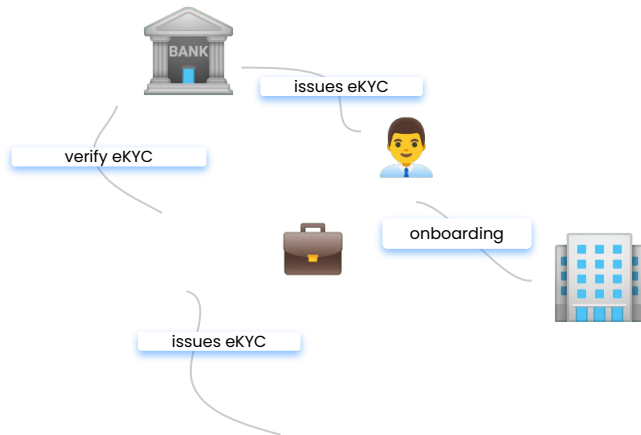
### Secure & Reliable

Tamper-proof credentials cannot be forged or stolen.



## Customer Onboarding

Issue and verify digital KYC proofs.



### Unlock Value

Issue reusable credentials to your stakeholders.

### Experience

Credentials are easily claimed & stored securely.

### Re-Usable

Seamlessly shared to onboard or apply for loans

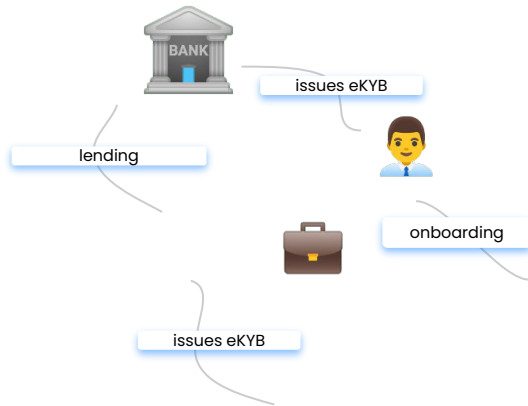
### Tamper-proof

Fraud-resistant credentials cannot be forged or stolen.



## Reusable KYB

Issue and verify digital KYB proofs.



### Unlock Value

Issue reusable credentials to your stakeholders.

### Experience

Credentials are easily claimed & stored securely.

### Re-Usable

Seamlessly shared to onboard or apply for loans

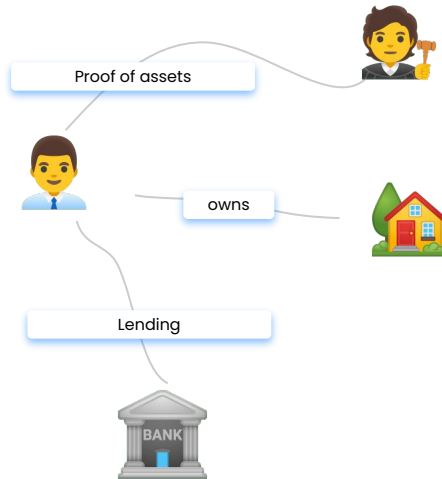
### Tamper-proof

Fraud-resistant credentials cannot be forged or stolen.



## Proof of Assets

Issue and verify proof of assets.



### Onboarding

Offer fast & seamless digital onboarding.

### Ease of use

Easily claimed & always at hand (mobile, laptop).

### Access & Benefits

Seamless access to venues or digital services & benefits.

### Secure & Reliable

Tamper-proof credentials cannot be forged or stolen.

# Selected Case Studies

# We work hands-on with customers & partners globally



## Public Sector

Governments, cities & other public authorities



## Private Sector

Developers, businesses across industries & DAOs.



+6k developers and organizations are already using our solutions.



# What our customers say about us



" walt.id was a great fit. **As soon as I started the project, I knew I wanted to work with them.** The team is experienced and always ready to help. "

Mirko Stanić | Croatian Agency of Science and Higher Education



" Following a strong market study made at the beginning of our project, we believe **we have made the right choice to work with walt.id.** "

Thierry Grandjean | Senior Engineer, List



" walt.id was very easy to deploy and integrate. **The team was always eager to share their expertise and help us figure out the details.** "

Colin Tück | Director, EU Quality Assurance Register



" The walt.id team was really **reactive, collaborative and met all the criteria we had** to create use cases with an easy to use wallet. "

Filip Sokolowski | Senior Knowledge Analyst, BCG



# What our customers say about us



“ The walt.id SSI Kit is an easy to use, enterprise ready and **European Union standards compatible** toolset making your Digital Identity journey more easy as well as reducing the workload”

Daniel de Witte | CTO, WorkPi



“ **Walt.id is becoming the go-to solution** to adopt self-sovereign identity and BCdiploma’s integration and contributions are evidence of the **expertise and professionalism of their team** ”

Alfred Tuffreau | Software Engineer, BCdiploma



“ Walt.id’s solutions can be **easily deployed, integrated and** its design allows to be **adapted to a large number of use cases**. The team has always been very collaborative and has shown a great knowledge about the EU ecosystem. ”

Xavier Martínez Luaña | Research Engineer, Gradiant



“ Walt.id’s products were **very easy to use and implement and they helped us enormously**. The team was very professional, experienced and always ready to support. ”

Cosmin Cioranu | Head of Information Technology Department



# What our customers say about us



“ walt.id **supported** us in a very **transparent, reactive** and **collaborative** way to have a decisive impact on the great success of our event. ”

Michael Buttkus | Partner of BU retail, Media and Consumer Goods



“ A **great product and a great team**. We use them and it has been a great stride forward to enabling the trust and identity layer of EU's data infrastructure.”

Kai Mainke | Board member, Delta DAO



“ Our goal is to issue credentials to wallets using data provided by banks. Walt.id's tools provide an **easy way to create verifiable credentials** in JSON-LD and JWT format ”

Dr. Daniel Fett | Specialist protocol design & security threat analyst



“ Our collaboration with KTU and walt.id has revealed **new ways to ensure portability and authenticity of micro-credential.** ”

Henri Pirkkalainen | Associate Professor, Tampere University





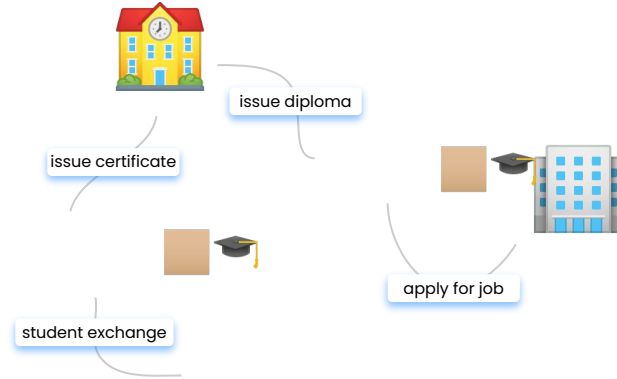
## Luxembourg universities

### Digital diplomas

- Year: 2022
- 1st multi-university use case
- Introduces digital credentials & wallets on a national level

*“ Following a strong market study made at the beginning of our project, we believe **we have made the right choice to work with walt.id.** ”*

Thierry Grandjean | Senior Engineer, LIST



Luxembourg introduces digital diplomas & student credentials together with digital wallets on a national level.



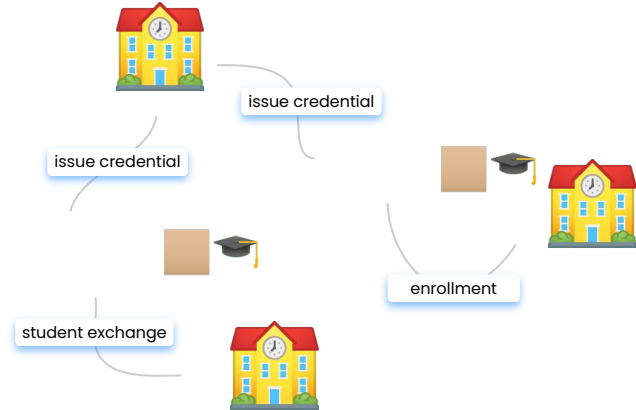
## Tampere & Kaunas universities

Cross-border micro-credentials

- Year: 2022
- 1st cross-border use case
- Promoted by the EU Commission
- Based on EBSI

*"Our collaboration with KTU and walt.id has revealed new ways to ensure portability and authenticity of micro-credential."*

Henri Pirkkalainen | Associate Professor, Tampere University



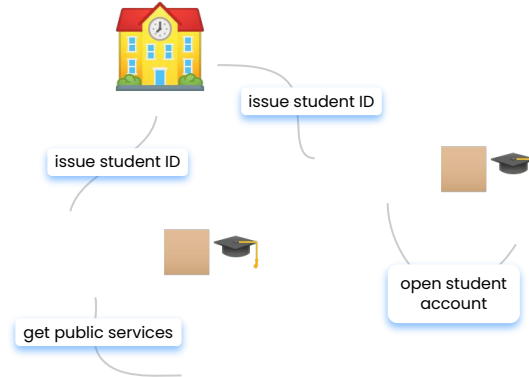
Universities in Finland & Lithuania introduce digital micro-credentials enabling students to prove education achievements across borders.



## Howest university

### Digital student IDs

- Year: 2023
- Production roll-out
- In collaboration with the city of Ghent & local banks



Howest university introduces digital student IDs enabling students to claim student services & benefits from local administration & banks .



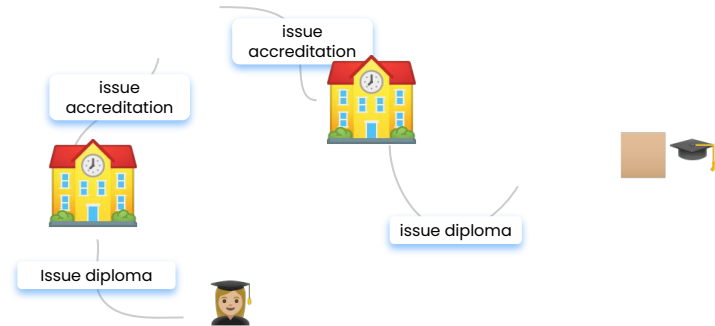
## EU Quality Assurance Registry

### Digital university accreditations

- Year: 2022
- 1st EU-wide production use case
- 1st EU public authority to introduce digital credentials for accreditation

*“ walt.id’s solutions were very **easy to deploy and integrate**. The team was always **eager to share their expertise and help us figure out the details.** ”*

Colin Tück | Director, EU Quality Assurance Register



The European Quality Assurance Registry uses digital credentials to issue & publish university accreditations across Europe.

# Selected case studies



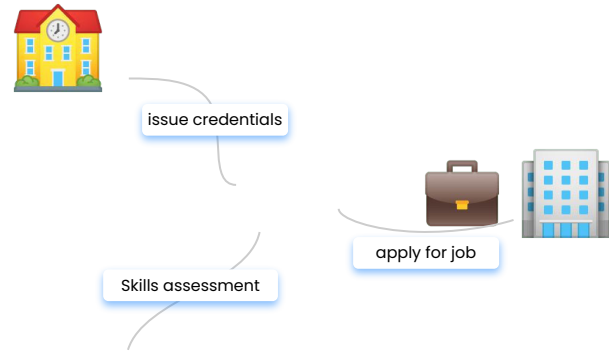
## WorkPi

### Skills credentials

- Year: 2022
- Assessment platform using SSI
- Introduces Verifiable Credentials & wallets

*"The walt.id SSI Kit is an easy to use, enterprise ready and **European Union standards compatible** toolset making your Digital Identity journey more easy as well as reducing the workload"*

Daniel de Witte | CTO, WorkPi



WorkPi is using Verifiable Credentials (VCs) showing how SSI can improve user experience while offering and managing reliable data (such as skills assessments and personal/professional data)



# Selected case studies



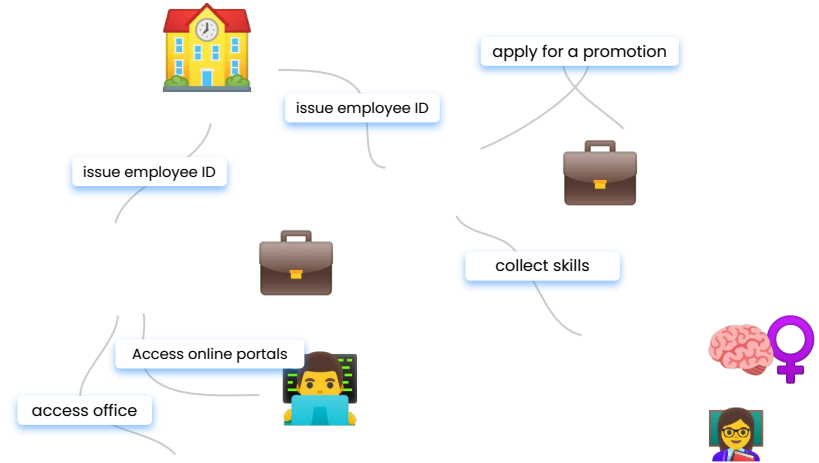
## Boston Consulting Group

### Employee ID & Badges

- Year: 2022
- NFT for access & employee badges
- Proof of attendance (for company event)

*“ The walt.id team was **really reactive and collaborative** with the BCG team and met all the criteria we had to create NFT use cases for this event with an **easy to use web wallet.** ”*

Filip Sokolowski | Senior Knowledge Analyst - Sales, BCG



BCG used Non-Fungible Tokens for ticketing (Access Management), vouchers, but also awards (collectible trophies) and badges

# Selected case studies



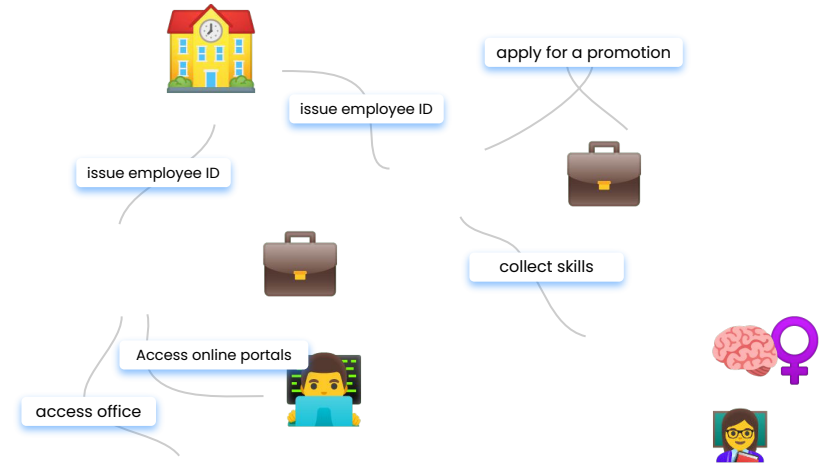
## Velocity Network

### Employee ID & Badges

- Year: 2022
- Enables employers to issue & verify employee ID & badges
- Auth & Login solutions through employee ID

*“The Velocity Network is now a **leading SSI ecosystem** with mature governance, data standardization, global legal **interoperability**, **privacy**, **security** and usability.”*

Velocity Foundation



Velocity being the host for the leading workforce-tech and ed-tech vendors and solution providers, on a mission to build the next-gen data utility layer underlying the global labor market.

# Selected case studies



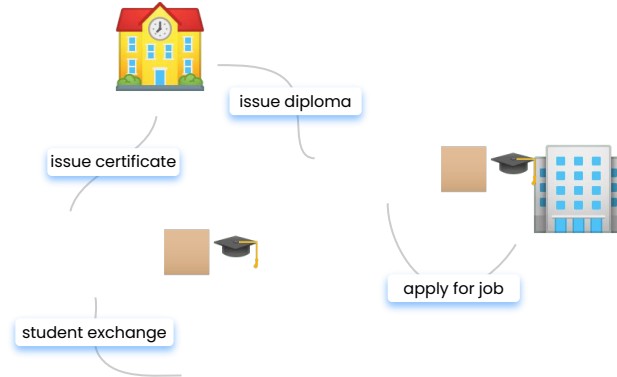
## Universities across Europe

### Digital diplomas

- Year: 2022
- 1st multi-university use case
- Introduces digital credentials & wallets on a national level

*“ Following a strong market study made at the beginning of our project, we believe **we have made the right choice to work with walt.id.** ”*

Thierry Grandjean | Senior Engineer, LIST



Luxembourg introduces digital diplomas & student credentials together with digital wallets on a national level.

# Selected case studies



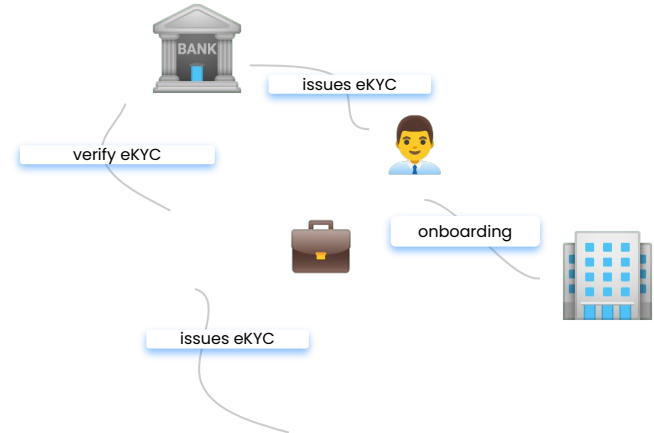
## yes.com & banks

KYC & customer onboarding

- Year: 2022
- 1-click customer onboarding
- ID verification in Banking

*"Our goal is to issue verifiable credentials to wallets using verified user data provided by banks. Walt.id's SSI Kit provides an easy way to create verifiable credentials in JSON-LD and JWT format."*

Dr. Daniel Fett | Specialist Protocol Design - yes.com



This project enabled yes.com to issue identity credentials to wallets and to request and verify identity credentials for various use cases like identity verification.

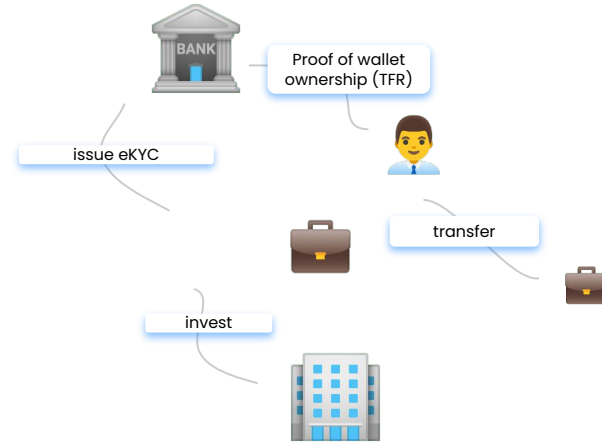
# Selected case studies



## IOTA & Partners

### eKYC & TFR compliance

- Year: 2023
- Customer onboarding for investors and financial service providers
- TFR compliance for transfers from a CASP to self-custodial wallets
- In collaboration with investment funds and a leading ID verification company
- Production roll out in 2023



Customers go through an online ID check and receive KYC, wallet ownership & other credentials they can reuse to prove their identity to other service providers.

# Selected case studies



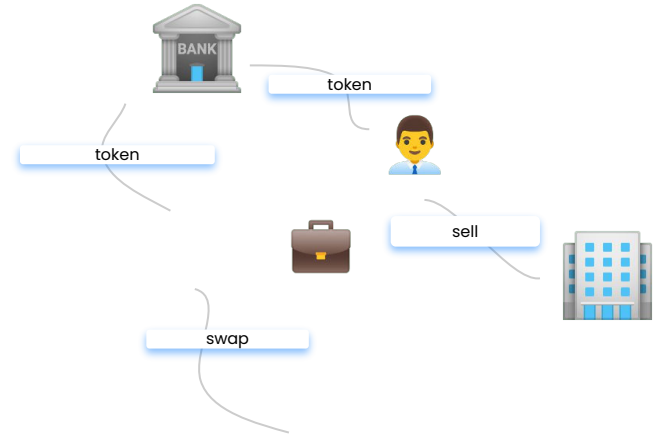
## Raiffeisen Bank International

### Gold Tokenization PoC

- Year: 2023
- Asset tokenization
- Mobile wallet to manage tokenized assets

*"In order to benefit from the emergence of blockchain technology and build up the experience, RBI has been running different projects and initiatives in fields of e-money payments, tokenization, identity and trade finance."*

Raiffeisen Bank International



The scope of this PoC is the full lifecycle of tokenized assets, including the tokenization, transaction & storage of tokenized gold

Technology

# How it works



## Identity Ecosystem

Blockchains, PKI, DNS, custom database, ...

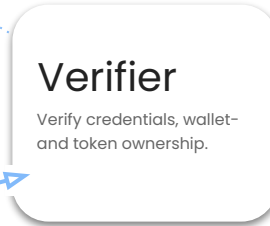
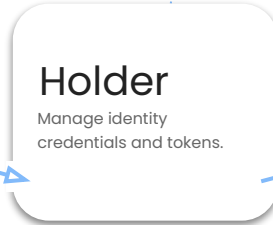
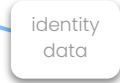
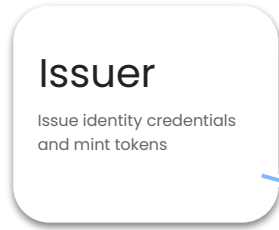


PKI & Proofs

write  
read

write  
read

write  
read



Parties



Functionality



# Architectural Layers



Apps

White-label solutions to launch custom issuer, verifier and wallets.

APIs

REST interfaces to turn any app into an issuer, verifier or wallet.

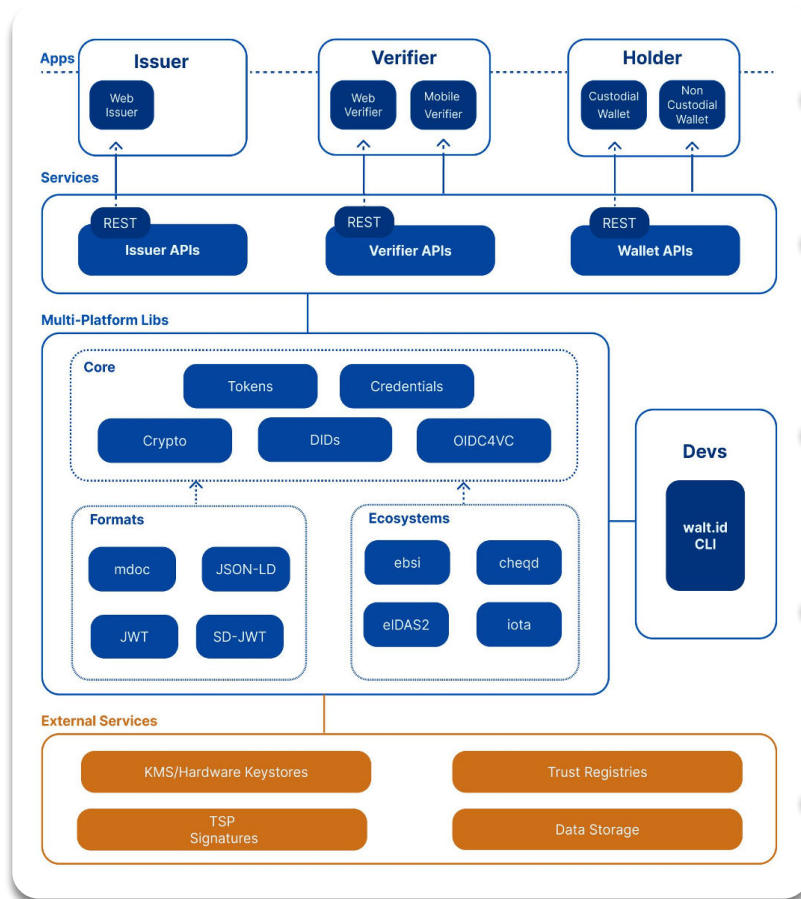
Multi-platform Libs

Identity features to combine as needed for maximum flexibility and efficiency.

External services

Combine our tools with others. From an external KMS, to ID Verification Services.

# Overview



White label Apps → [Link](#)

Pre-built apps to speed up development.

APIs → [Link](#)

Abstraction of complexity to facilitate adoption

Multiplatform libraries → [Link](#)

Modular, purpose-driven libs for any platform / language.

Command Line

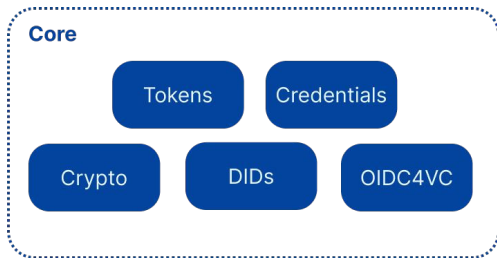
CLI tool for developers to test and build quickly.

External Services

Integrations with external services to add functionality.

# Build On Any Platform

Multi-Platform libs for maximum flexibility and efficiency.



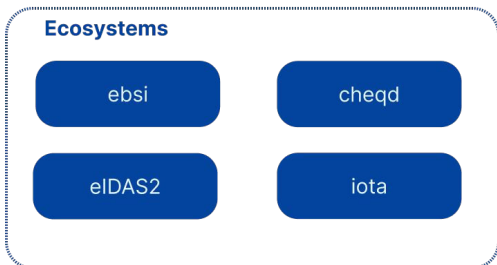
Unified libraries offering core digital identity features. For example:

- Crypto lib → create and manage digital signatures
- DID & Credential libs → managing DIDs and credentials
- OIDC4VC lib → protocol issuance and verification
- Token lib → mint and verify NFT/SBT



Implementations for diverse credential and tokens standards. For example:

- mdoc lib → create and verify mdocs/mDL (ISO/IEC)
- JWT and JSON-LD libs → create and verify Verifiable Credentials (W3C)
- SD-JWT lib → create and verify Selective Disclosure JWTs (IETF)



Abstractions for diverse ecosystem specific functionalities. For example:

- Trust registry operations (DIDs, Issuers, Verifiers, data, schemas, revocation, ...)
- User onboarding flows (individuals, organizations, IoT, ...)

# Enhance Any App

APIs with Issuer, Verifier and Wallet capabilities.

## Issuer APIs

Enable apps to issue any credential and token across ecosystems.

Issue Verifiable Diploma as SD-JWT

Issuance via OIDC4VC

## Wallet APIs

Extend apps with identity wallet capabilities (collect, store, manage, share credentials or tokens).

Sign using did:key:did:zmYg...

Wallet (B2B, B2C) operations

## Verifier APIs

Enable apps to verify any credential and token incl. verification policies.

Verify mdoc signature and revocation status

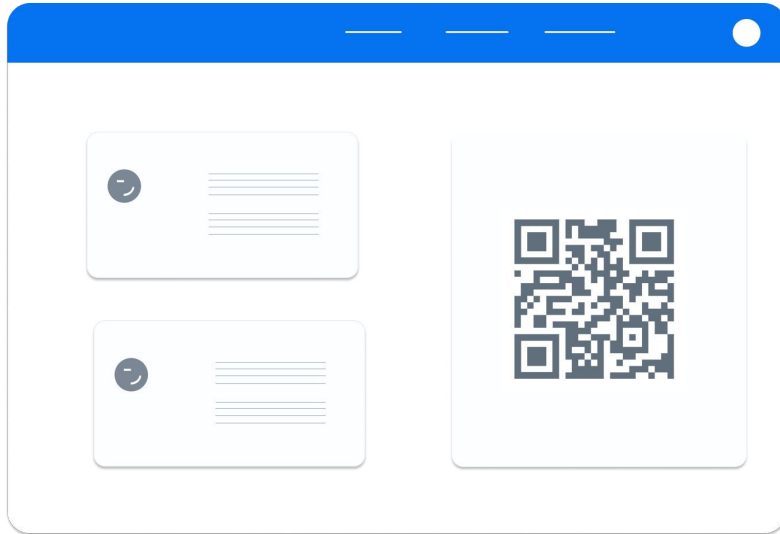
Verification via OIDC4VP

APP

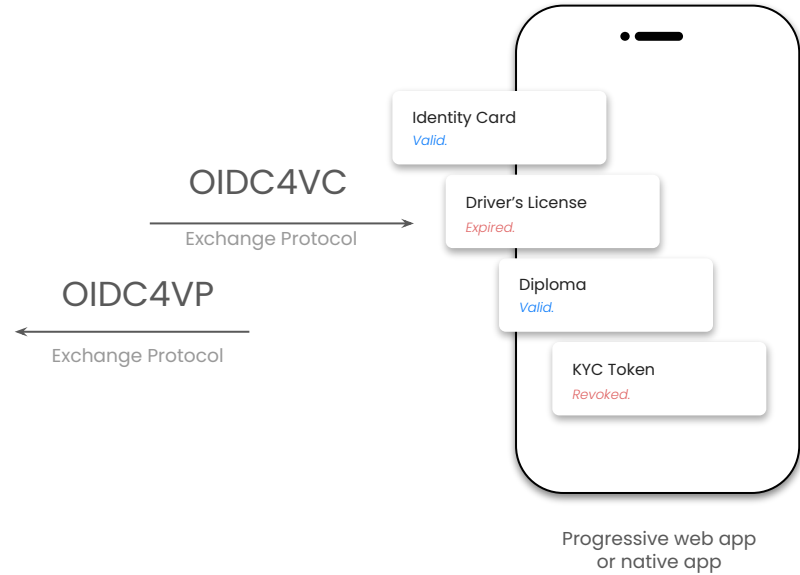
# Launch Quickly

Your data and styling. White-Label apps do the rest.

Issuer/Verifier Portal

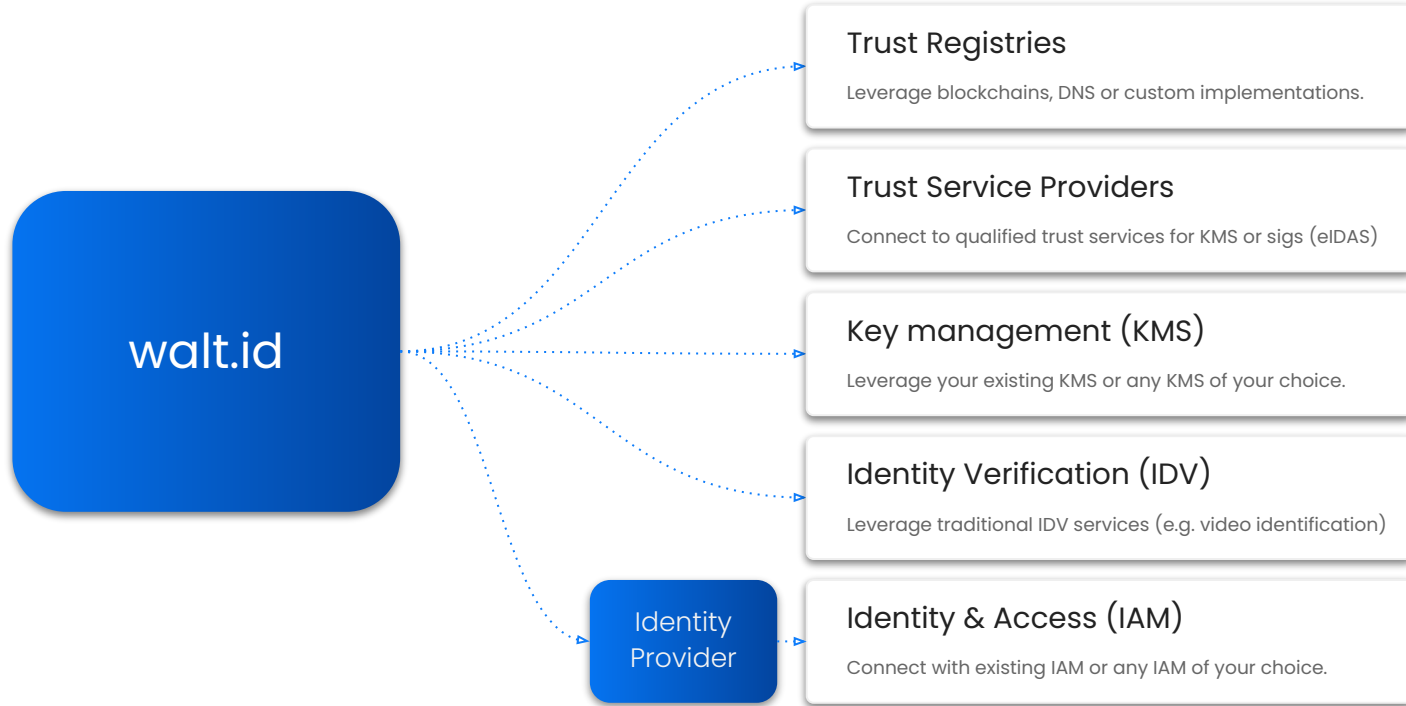


Wallet



# Connect & Integrate

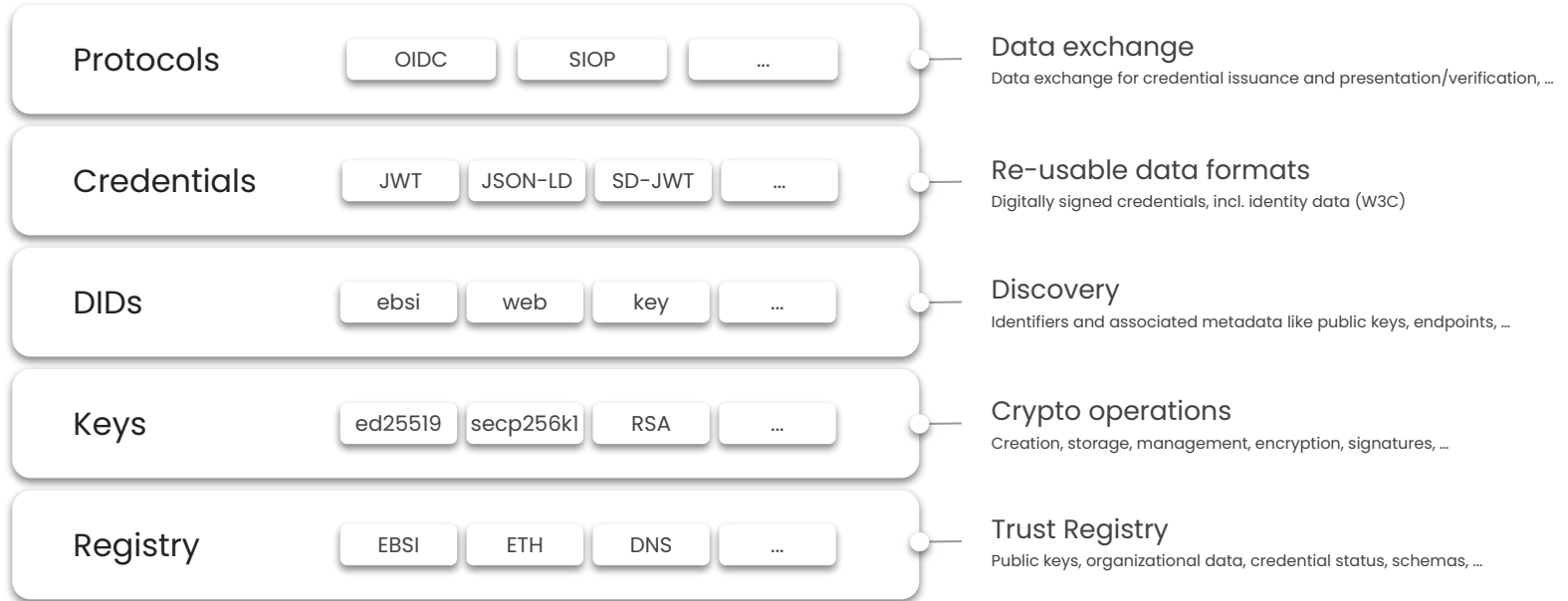
Use external services with walt.id tools.



# Self-Sovereign Identity (SSI)



## Self-Sovereign Identity

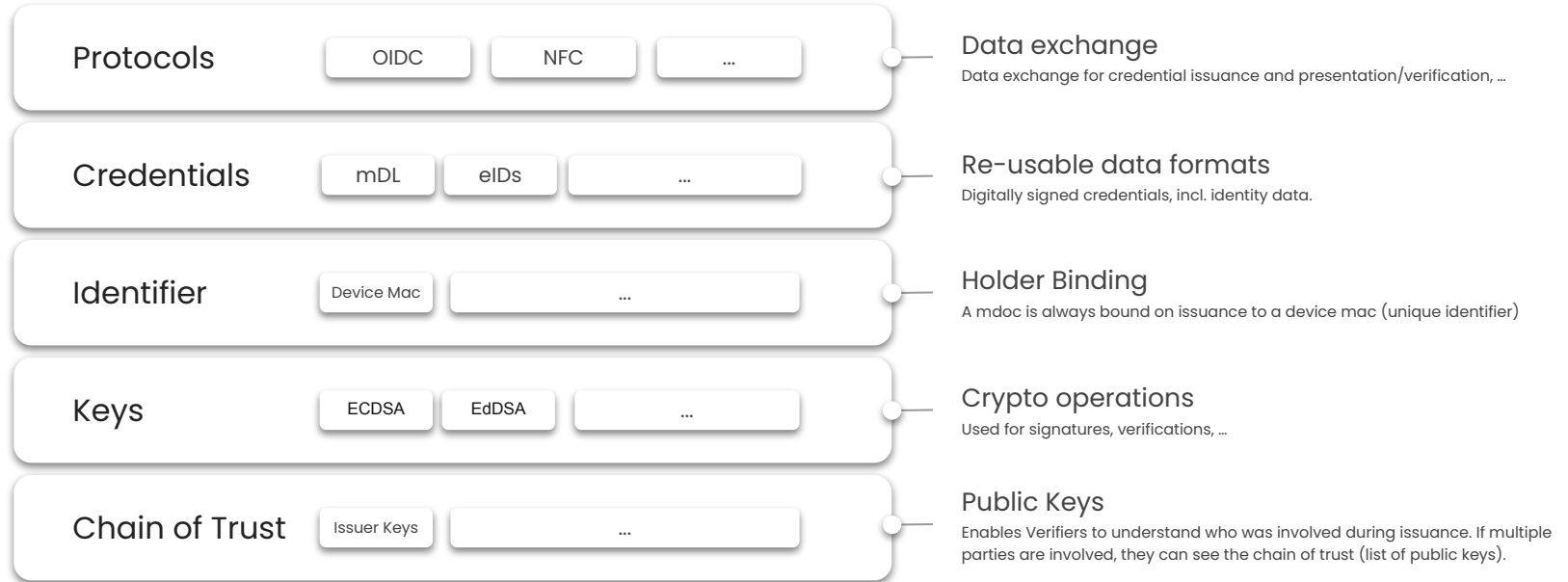


# Mobile documents (mdocs) / Mobile Driver's License (mDL)



ISO/IEC 18013-5:2021 Personal identification ISO-compliant driving licence Part 5: Mobile driving licence (mDL) application

Mdocs / mDL





# Non-Fungible & Soulbound Tokens



Tokens

