The European Digital Identity Wallet

European Digital Identity and Trust Ecosystem
(Standards and Sample Implementation) Call

4th June 2024

The EU Digital Identity Wallet

Policy Context

Characteristics of the EU Digital Identity Wallet

What is the EU Digital Identity Wallet?

Free use for all EU citizens

Provided by Member States, all EU citizens may use it for free on a voluntary basis

Accepted throughout the Union

Recognised by private and public service providers (relying parties) for all transactions that require authentication

Secure and privacy oriented

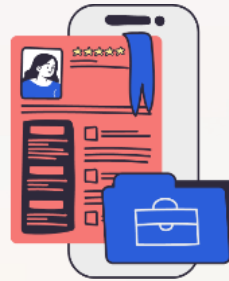Citizens can control and protect their identity, personal data and digital assets

Functions of the EU Digital Identity Wallet

What can you do with the EU Digital Identity Wallet?

Identification & authentication

Identification and authentication to access public and private services, payment authorisation, KYC

Store & present attestations of attributes

Present educational diplomas/reports for enrolling at university; present your driving license for renting a car

Sign & seal electronically

Sign a banking agreement, an employment contract to start a new job

The Benefits

How will citizens, governments and relying parties benefit from the wallet? Securely store and share your digital identity — discover the many ways EU Digital Identity Wallet will benefit both individuals and organizations.

Citizens

Protect personal data
Simplify paperwork and admin
Access public and private
services across borders

Governments

Improve access to
digital services
Enhance fraud prevention
improves security

Relying Parties

Improve security and privacy
Reduce cost of authentication
Avoid relying on competing
big platforms

Society

Increased online transactions
Resource reallocation
New business opportunities
Economic growth

Open-source and interoperable

There will not be one EU Digital Identity Wallet, but many, built to one set of open specifications, created by the European Commission, together with Member States. Each will be interoperable.
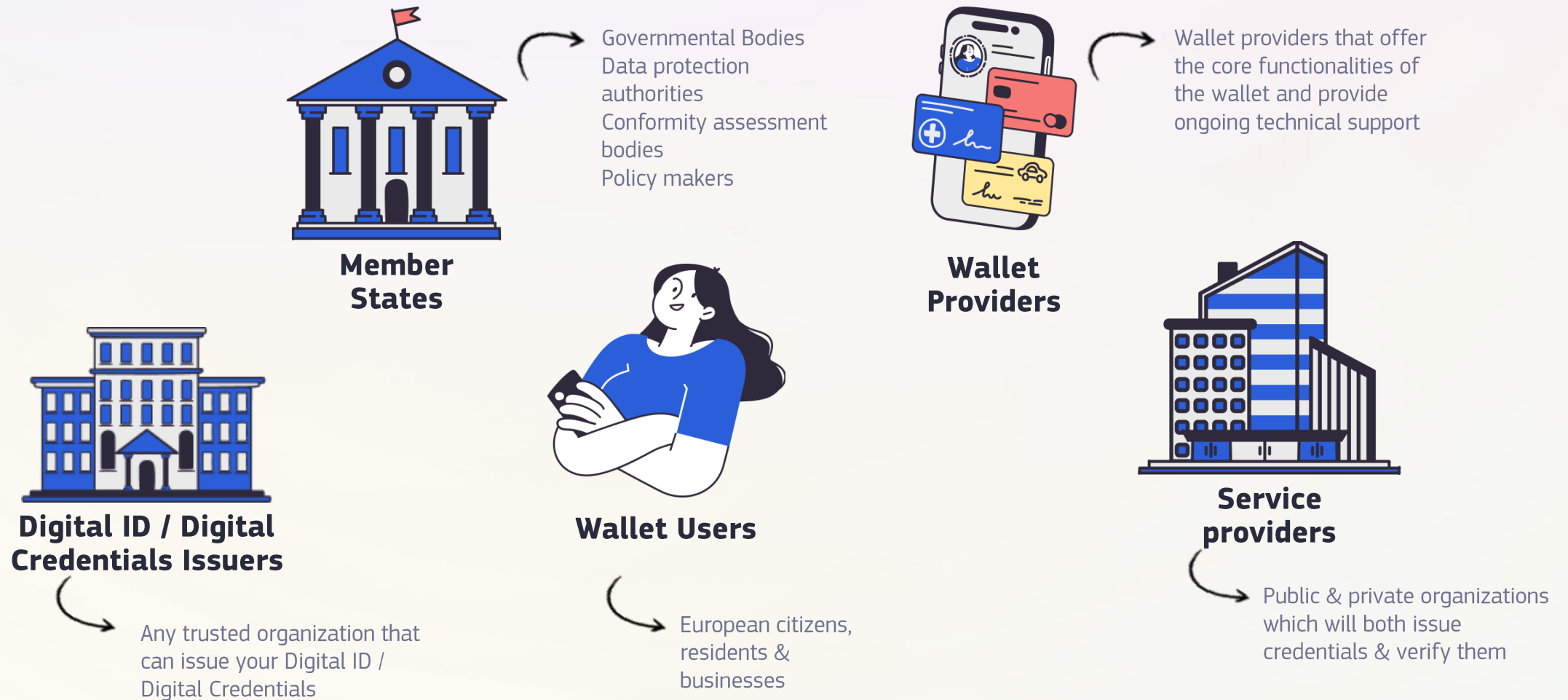
Many different wallets in the EU

One set of open specifications

One open-source reference implementation

DRIVING LICENSE

EU Digital Identity Wallet stakeholders

Member States

Governmental Bodies
Data protection
authorities
Conformity assessment
bodies
Policy makers

Wallet Providers

Wallet providers that offer
the core functionalities of
the wallet and provide
ongoing technical support

Digital ID / Digital Credentials Issuers

Any trusted organization that
can issue your Digital ID /
Digital Credentials

Wallet Users

European citizens,
residents &
businesses

Service providers

Public & private organizations
which will both issue
credentials & verify them

Examples of wallet use cases

ACCESS GOV SERVICES

Access digital public services (nationally and across borders) by using your wallet to securely identify and authenticate yourself.

MOBILE DRIVING LICENCES

Request a digital version of your driving license. Then always have it ready to share in your wallet.

EDUCATION

Never lose the university diploma you worked so hard for again. Easily store and share your most important education credentials.

HEALTH

Keep your health close at hand. Identify yourself at your pharmacist's and claim your needed prescriptions with just your wallet.
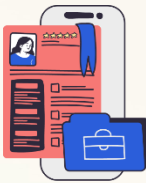
TRAVEL

Store and share key travel documents in your wallet. Prove who you are when booking a hotel online, and then easily check-in once you get there.

ACCESS SOCIAL SECURITY

Keep tabs on your social security information and use your wallet to access the social security benefits you are entitled to.
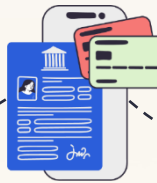
ORGANISATION ID

Use your wallet to prove who you work for when meeting new and potential clients.

REGISTER SIM

Registering a new SIM card just got easier. Your wallet lets you quickly identify yourself.

OPEN A BANK ACCOUNT

No need to track down to a bank branch. Verify your identity when opening a new bank account with just your wallet.

PAYMENTS

Make your online transactions easier. Use your wallet to identify yourself and authorise payments.

AGE VERIFICATION

Your wallet can provide proof of age when requested, without disclosing any information about your identity.

CONTRACTS

Your wallet makes business flow. Sign contracts with just your wallet.

Milestones

Legislative Process
Successful regulation adoption and ongoing work on Implementing Acts (IAs)

Publication in the OJEU on 30 April, **Adoption of the Regulation on 20 May**

Wallet technical specification
Published ARF 1.4 and working on ARF 1.5

Published the Architecture Reference Framework (ARF) 1.4, with work started on the next version 1.5

Wallet Reference Implementation
Released first libraries and software components

Published first release of libraries and software components, to be followed by regular releases based on feedback from pilots and updates to the ARF

Large-Scale Pilots
Approaching 1-year milestones and deliverables

The 4 LSPs are **working towards 1-year milestones and deliverables. New call for pilots published on 7 May**

Wallet Technical Specifications and Reference Implementation

Wallet Technical Specifications

- The Architecture and Reference Framework represents a set of common standards and technical specifications for the implementation of the wallets

- **The latest version of the document is publicly available on [GitHub](#)** (version 1.4.0 – May 2024) and is **open for feedback from stakeholders**

- Using the Wallet to authorise payments is one of the key topics under discussion among Member States as part of the eIDAS Expert Group

Wallet Reference Implementation

- The Commission is providing a reference technical infrastructure to support interoperability and implementation of the EU Digital Identity Framework to be tested in the large scale pilots

- The first open source libraries have been published on GitHub to demonstrate the feasibility of the specifications, promote standardisation and improve the quality of the wallet through staged public releases

- The Commission will provide support to Member States and other stakeholders in developing, implementing and scaling up the EU Digital Identity Framework

Large Scale Pilot Overview (2023-2025)

Large Scale Pilots are test-driving the EU Digital Identity Wallet

NOBID CONSORTIUM

A set of Nordic and Baltic countries who, together with Italy and Germany, are developing a large-scale pilot for the payment use case in the EU Digital Wallet.

PAYMENTS

Potential
For European Digital Identity

Potential is a secure digital ID that will allow citizens to quickly and securely prove their identity as part of their online citizenship procedures.

MOBILE DRIVING LICENSE

ACCESS GOV SERVICES

OPEN BANK ACCOUNT

HEALTH   # CONTRACTS

SIM REGISTRATION

EWC

The EWC aims to harness EU digital identity benefits for Digital Travel Credentials across Member States, building on the Reference Wallet Application for this specific use case.

PAYMENTS

TRAVEL

ORGANISATION ID

DC4EU

DC4EU supports the education and social security sectors by integrating cutting-edge digital services across Europe within a cross-border trust framework.

EDUCATION

SOCIAL SECURITY

The EU Digital Identity Wallet timeline

The Large Scale Pilots are currently testing prototype wallets building on the specifications detailed in the Architecture and Reference Framework (ARF). After the legislation and specifications are finalised, each Member State will be obligated to offer at least one wallet to citizens, residents, and businesses.

2023

2024

2025

2026

- Trilogue negotiations concluded on EU Digital Identity Wallet Regulation
- European Parliament ITRE Committee vote on the regulation, confirmed by vote in plenary
- Council and European Parliament approval of regulation

- Publication of the EU Digital Identity Regulation in the Official Journal
- Adoption of EU Digital Identity Framework Regulation
- Adoption and publication of the Wallet Implementing Acts

- First Member States Wallets made available

- Wallets widely available in all Member States

Regulation

Implementing acts

Piloting

Implementation by Member States

European Digital Identity and Trust Ecosystem (Standards and Sample Implementation) Call

Open call to pilot the Wallet around new use-cases

Key Details

Call Budget and Timeline

Key Details	
Call Budget	20 MEUR
Co-funding rate	50%
Implementing Agency	HaDEA
Action Duration:	24 months
Timelines and deadlines (indicative)	
Call Publication	7 May 2024
Call Opening	14 May 2024
Call Deadline	24 September 2024 – 17:00:00 CEST (Brussels)
Evaluation:	October – November 2024
Information on evaluation results:	December 2024
Signature of Grant Agreements	June 2025

Call Objectives

- **Support the implementation of the European Digital Identity and Trust Ecosystem** by Member states and relevant stakeholders in compliance with the Regulation and the ARF

- **Support the transition between the current and future frameworks** supplementing or replacing the current digital identity infrastructure (eID) by the EU

- **Build the necessary expertise and infrastructure** to facilitate member state provision of one EUDI Wallet by end of 2026 inline with the Regulation

- **Promote the development and deployment of use-cases** for the European Digital Identity Ecosystem in different areas involving both public and private stakeholders.

- **Test the interoperability and scalability of use-cases** within national and cross-border implementation contexts

- **Trial user journeys and collect feedback for updates** of the ARF and the reference application of the EUDI Wallet

- **Promote the opportunities of the EUDI Wallet** among public and private sector stakeholders and users

- **Reach production environment at the end of the implementation** (or shortly after)

Priority Use-case Areas

- Focus on **4 priority use-case areas**:

Wallets for Businesses	**Wallets for Travel**	**Wallets for Payments & Banking**	**Wallets for Age Verification**

Business-to-business and business-to-government scenarios including regulatory compliance, company registration, and power of attorney

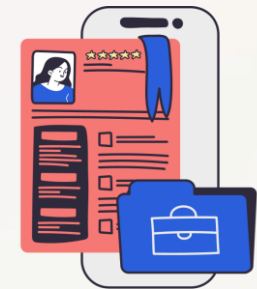National and Cross-border travel scenarios including local public transport, long-distance travel, shared mobility, border control, hotel check-in

Payment and banking scenarios including a standardised process for Know-Your-Customer, Strong Customer Authentication, and offline transactions and processes

Age verification scenarios including the issuance of a pseudonymous attestation containing only age information by a trusted third party

- Call is **not restrictive** though and it's possible to submit proposals around other use-cases

Call Scope

- The **implementation of onboarding procedures** for Wallet Users, providers of person identification data (PID), electronic attestations of attributes (EAA), qualified electronic attestations of attributes (QEAA), and relying parties;
- The **integration of the interfaces** of relying parties and PID, EAA, and QEAA providers to the Wallet in their pre-production systems;
- The **trialing of user journeys** involving relevant core functionalities of the Wallet;
- **Comprehensive testing of the cross-border functionality** of Wallets demonstrating readiness to progress into production with actual wallet users;
- **Cooperation with the Commission to integrate with the iterative development of the reference implementation of the Wallet** including the successful integration of new releases of APIs for:
  - requesting PID, EAAs, and QEAAs, presentation and validation of services (including connectivity and compliance tests)
  - providing PID, EAAs, and QEAAs (including connectivity and compliance tests)

Call Scope

- Completion of **a sufficiently high number of cross-border transactions** (i.e. with Issuers and Holders of EAAs, QEAAs and credentials, Wallet Issuers and Relying Parties coming from at least 3 different eligible countries) to demonstrate the Wallet's functionalities.
- A **roadmap for** the **implementation** of, and **recommendations for**, the **further development** of the ecosystem and a sustainability strategy
- **Projects run in pre-production environment** that ensures oversight roles are filled by legally entitled entities
- Project should **build on pre-existing work and make use of existing infrastructures**. Applicants should also ensure alignment with other ongoing cross-border initiatives
- Projects should **consider and contribute to technical discussions on how to address identity matching** both in the context of the European Digital Identity Wallet and the use-cases being piloted
- Projects are **encouraged to contribute to the development and piloting of the security features** underpinning the use cases piloted.

KPIs

- **Number of Wallet Provider countries** involved in the project;
- **Number of Wallet end-users** involved in the project;
- **Number of relying parties** having integrated interfaces to the Wallet in their pre-production systems;
- **Number of Providers of PID, EAAs, and QEAAs** and having integrated interfaces to the Wallet in their pre-production systems;
- **Number of Wallet electronic transactions** completed in a pre-production environment;
- Where relevant for the proposal, **number of qualified electronic signatures** issued by users of the Wallet

Targeted Stakeholders

- **Minimum participation: 3 Member States, EEA or candidate countries**; higher relevance if more Member States involved
- Main roles in **wallet ecosystem** and respective usage scenarios to be filled by **legally entitled organisations** out and have the **technical capacity** to contribute to the project
- **Each organisation should have a clearly defined role that it is fulfilling** in line with the roles defined in the ARF (Wallet Provider, PID/EAA/QEAA Provider, Relying Party)
- For the role of Wallet Provider, projects should involve **organisations that in line with Article 5a(2) of the amended Regulation** will issue a European Digital Identity Wallet
- Organisation needed to achieve the goals of a proposal in a particular domain:
  - **National agencies** responsible for the implementation of infrastructures and cross-border initiatives relevant to a use-case
  - **Public and private relying parties**, including but not limited to those required for piloting a use-case
 - **PID/EAA/QEAA Providers**

Background Information

Key Information to be considered when applying

- European Digital Identity and Trust Ecosystem (Standards and Sample Implementation) Call – [EU Funding & Tenders Portal](#)
- The EU Digital Identity Framework Regulation – [Regulation – EU – 2024/1183 – EN – EUR-Lex](#)
- The latest version of the Architecture and Reference Framework on GitHub – [EU Digital Identity Wallet Architecture and Reference Framework](#)
- The latest version of the Reference Implementation on GitHub – [EU Digital Identity Wallet Reference Implementation](#)
- The EU Digital Identity Wallet Website – [EU Digital Identity Wallet Home](#)

Read more here!

Website
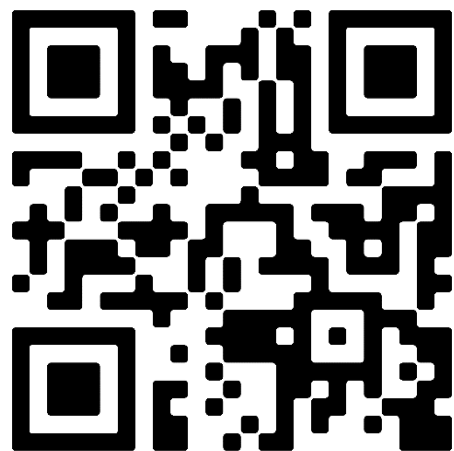
GitHub
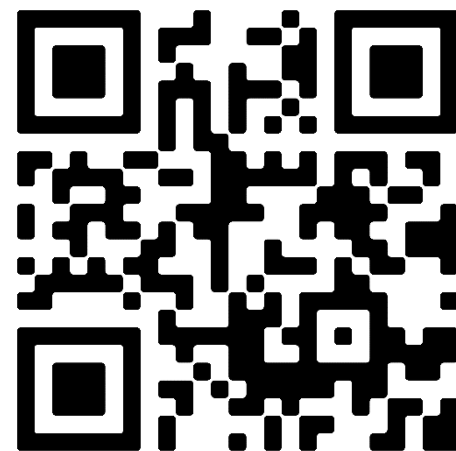
Find out more on the call!

Scan to access the Call for grants on EU Funding & Tenders Portal

Questions?

Or coffee?

Connor Fitzmaurice
Policy Officer, DG CONNECT
connor.fitzmaurice@ec.europa.eu