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
- Improve 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.
EU Digital Identity Wallet stakeholders

**Member States**
- Governmental Bodies
- Data protection authorities
- Conformity assessment bodies
- Policy makers

**Digital ID / Digital Credentials Issuers**
- Any trusted organization that can issue your Digital ID / Digital Credentials

**Wallet Users**
- European citizens, residents & businesses

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

**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

- 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.

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

**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.

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

# PAYMENTS
- # MOBILE DRIVING LICENSE
- # ACCESS GOV SERVICES
- # OPEN BANK ACCOUNT
- # HEALTH
- # CONTRACTS
- # SIM REGISTRATION

# PAYMENTS
- # TRAVEL
- # ORGANISATION ID

# 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
- 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

2024
- 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

2025
- First Member States Wallets made available

2026
- Wallets widely available in all 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**

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

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

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

  **Wallets for Payments & Banking**
  Payment and banking scenarios including a standardised process for Know-Your-Customer, Strong Customer Authentication, and offline transactions and processes

  **Wallets for Age Verification**
  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 QEAAAs, presentation and validation of services (including connectivity and compliance tests)
  • providing PID, EAAs, and QEAAAs (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**
• 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?

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