

Get to know ID used across borders in the European Union An ID4D Webinar Series

A European Framework for Decentralized Digital Identity Wallets The European Digital Identity Framework

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5 New Trust Services +





The state of play



Challenges to the cross-border use of national eIDs

Four factors hindering cross-border authentication under the eIDAS Regulation





Coverage

19 notified eID schemes (7 mobile-based) by 14 Member States - 59% of EU-27 population has access

Acceptance

67% of EU-27 MS can accept notified eID schemes (node with receiving capacity). Among 7 key public services for cross-border users, only 14% offer eIDAS authentication / EU-27



Usage

Between 100 and 30 000 successful cross-border authentications a year compared to millions at domestic level

User friendliness

No common user interface, redirections in the authentication process and denial of service



Market and technological developments

Developments in the private sector and society also challenge the current status quo



User demands and expectations

Users want high speed, secure authentication services that protect their personal data:

- 63% want a **secure single digital ID** for all online services that gives them control over the use of their data
- 72% want to know **how their data are used** when they use social media accounts

Private sector organizations also want versatile, secure and trustworthy identification solutions for their users



Role of online platforms

Platforms are playing an important role in electronic identification.

Their market position is a challenge to **data control and user choice.**



Technological change

Users increasingly demand **mobile** identification

Self-sovereign ID is a growing trend promising to put users in control of their identity data



The European Council calls for the development of an EU-wide framework for secure public electronic identification (e-ID), including interoperable digital signatures, to provide people with control over their online identity and data as well as to enable access to public, private and cross-border digital services.

European Council Conclusions, 2 October 2020

The Digital ID Act - Adopted 3rd June 2021



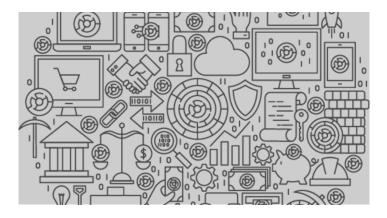
The three pillars of a European Digital Identity

The foundation of the new European digital identity



Strengthen the national eIDs system under eIDAS

Improve effectiveness and efficiency of mutual recognition of **national eID schemes** and make their notification mandatory for Member States





User Controlled Digital Identity -Personal Wallet

European secure "digital wallet" trusted app on mobile/smartphone allowing the storage and use, under the sole control of the user, of identity data and various attributes/credentials, based on common standards

Private sector as Provider of identity-linked services

Private providers to offer **digital identitylinked services** by following the (improved) rules applicable for qualified trust services (anchored in national eIDs).



Strengthen the national eIDs system under eIDAS

Building on the foundation established by the eIDAS Regulation

1

Security and trust

National legal eIDs will remain anchors of the new ecosystem

3 eID mutual recognition procedure

to be streamlined to reduce burden on Member States

Improve supply

Provide an obligation for Member States to notify national eIDs to the Commission and therefore enable their citizens to use them in other EU countries

4

Identity data

Expansion of the minimum set of identity data to be shared over the eIDAS Nodes (currently first name, family name, date of birth and gender)



User-Controlled Digital Identity – Personal Wallet

Improved user experience and use cases

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User control

The provision of a personal wallet:

- Improves user-choice,
- Improves user-experience (including mobile experiences),
- Supports data control
- No tracking
- Supports portability

2

Linking Identity and Credentials

Credentials such as driving license, university diploma, professional accreditations can be linked to the user identity.

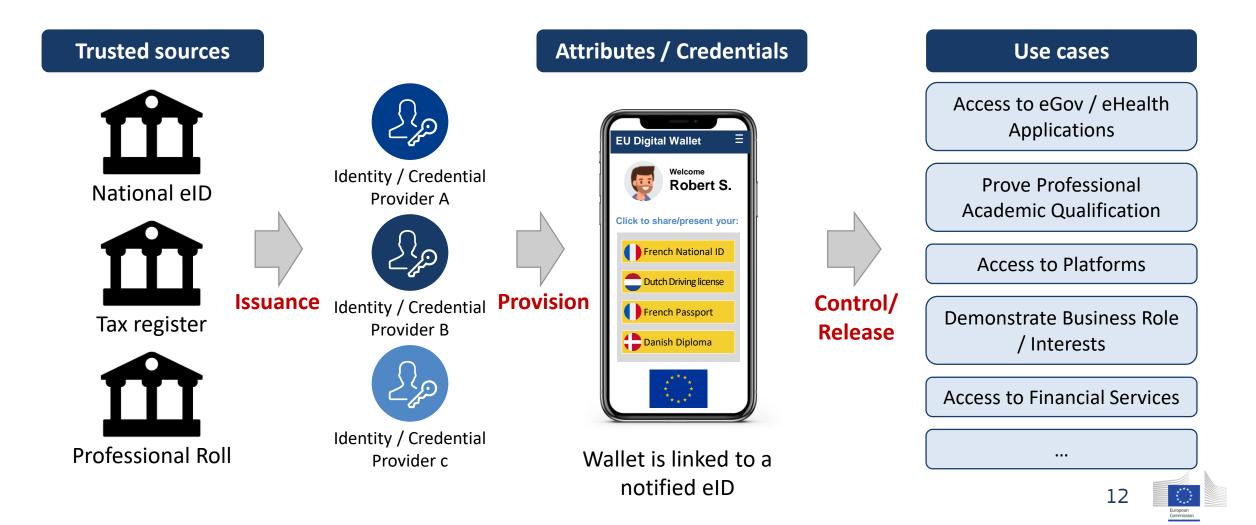
Users are able to manage both their identity credentials and legal eID together

S Possible Use cases

- Opening a bank account
- Filing tax returns
- Providing your age
- Renting a car
- Numerous digital public services



Possible Implementation Model for a future European Digital Identity ecosystem



Example of the EU Digital COVID Certificate

A first use of verifiable credentials at the EU level

Definition of a minimum data set (person identification, vaccination/test information, metadata) for:

- Proof of vaccination
- Proof of recovery from COVID-19
- Proof of test result

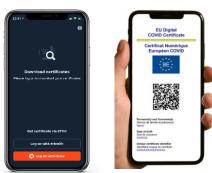
Creation of a trust framework

- Support the verification of certificates;
- Design possible solution while complying with EU data protection legal framework and implementing its data protection principles

Data about the vaccination is stored in a <u>national</u> database (e.g. immunization registry)



Citizen stores the certificate on the device (e.g. personal wallet)



A certificate is issued in paper or digital format and the QR code is digitally signed by the issuing authority

EU Digital COVID Certificate		CORONAPAS
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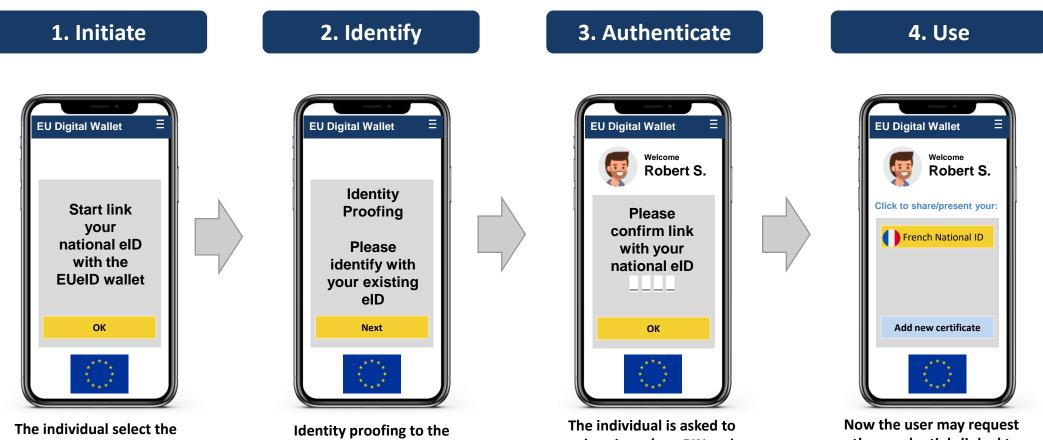
The European Digital Identity Wallet

Requirements

- ✓ Shall be issued by Member States (under a notified scheme) publication of lists
- Harmonization based on standards and common technical framework, certification and conformity assessment
- ✓ Assurance level High Security
- \checkmark Sign by means of qualified electronic signatures



Onboarding of citizens to a Digital wallet (possible implementation)



The individual select the notified eID to which he/she wants to link its wallet Identity proofing to the wallet provider with an existing notified eID The individual is asked to authenticate (e.g. PIN code or biometrics) Now the user may request other credentials linked to this identity and use them with service providers



Where I can use the EU Digital Identity Wallet

] Online public services

S Very large online platforms

In accordance with the DSA Regulation – if requested by the user

Private relying parties

Required by law to use strong user authentication or where required by contractual obligation including in the areas of transport, energy, banking and financial services, social security, heath, drinking water, postal services, digital infrastructure, education or telecommunications

Other service providers relying on electronic identification services

The Commission shall encourage and facilitate the development of self-regulatory codes of conduct





Apply for a bank loan after





HE SELECTS ONLY THE REQUIRED DOCUMENTS ASKED BY THE BANK FOR THE LOAN APPLICATION AND SENDS THEM EASILY IN FULL SECURITY.

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3





BY USING THE EUROPEAN DIGITAL IDENTITY, THIS PROCESS IS STREAMLINED AND MORE TIME EFFICIENT

Private Sector as Provider of identity-linked services – electronic attestations of attributes

1

Creation of a new market

Providing a legislative framework and common standards for private and public providers of attributes, credentials and attestations (e.g., driving license, university diploma, professional accreditations ..)

Security and Trust

Verifiable as **linked to national eID** notified under eIDAS

3

Verification against authentic

Sources of the authenticity of attributes against authentic sources – Annex

Legal value

Not be denied legal effect and admissibility as evidence in legal proceedings solely on the ground that it is in electronic format

Shall have the same legal effect as lawfully issued attestations in paper format

A qualified electronic attestation of attributes issued in one Member State shall be recognized as a qualified electronic attestation of attributes in any other Member State

5

Separation

Functional and structural separation of data



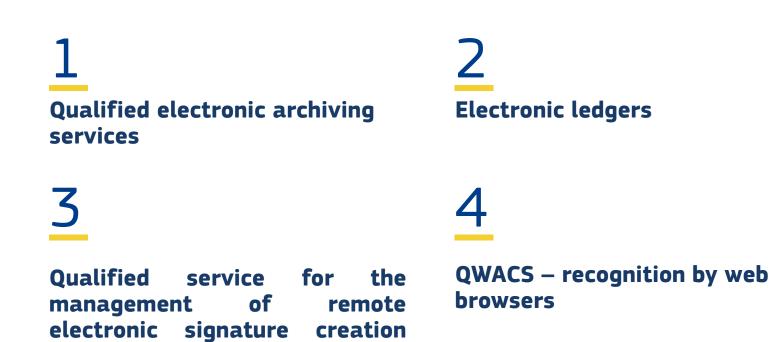
Additional trust services +



New eIDAS Qualified Trust Services

+ strengthening use of existing service

devices







Unique Identification

Ensuring unique identification

When the Wallet and notified means are used for authenticaiton

2

Record matching public sector

Where identification is required by law



Next steps



