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The electronic IDentification Authentication and Signature Regulation (eIDAS)

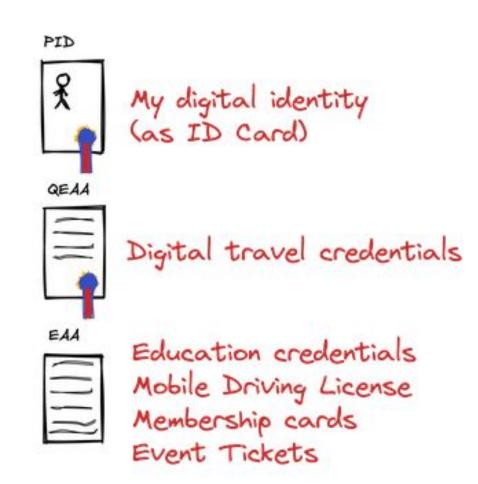
- Introduced a framework for electronic identification (eID) and trust services in 2014.
- It enables EU citizens, companies and public administrations to safely access services and carry out transactions online and across borders.
- In 2020 a revision has started by European Parliament, taking into account technological, market and legal developments in relation to the paradigms of Decentralised Identity and Self-Sovereign Identity. The regulation is not definitive yet.

The goal is an harmonized European digital identity infrastructure, based on the concept of European digital identity Wallet, the EUDI Wallet.



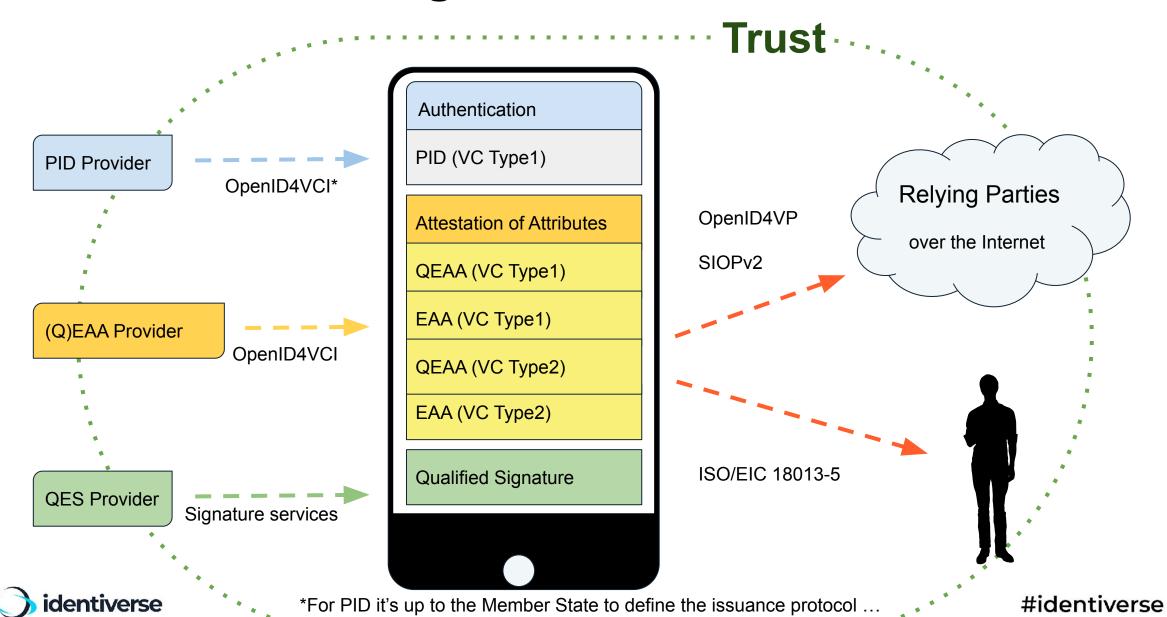
The EUDI Wallet will allow users to ...

- Authenticate themself when using
 Digital Public and Private Services →
 "open a Bank account".
- Proving the age when Logging into Social Networks.
- Obtain Medical Prescriptions.
- **Store** and **present** digital documents and membership cards.
- **Sign** contracts.
- Authorize payments.

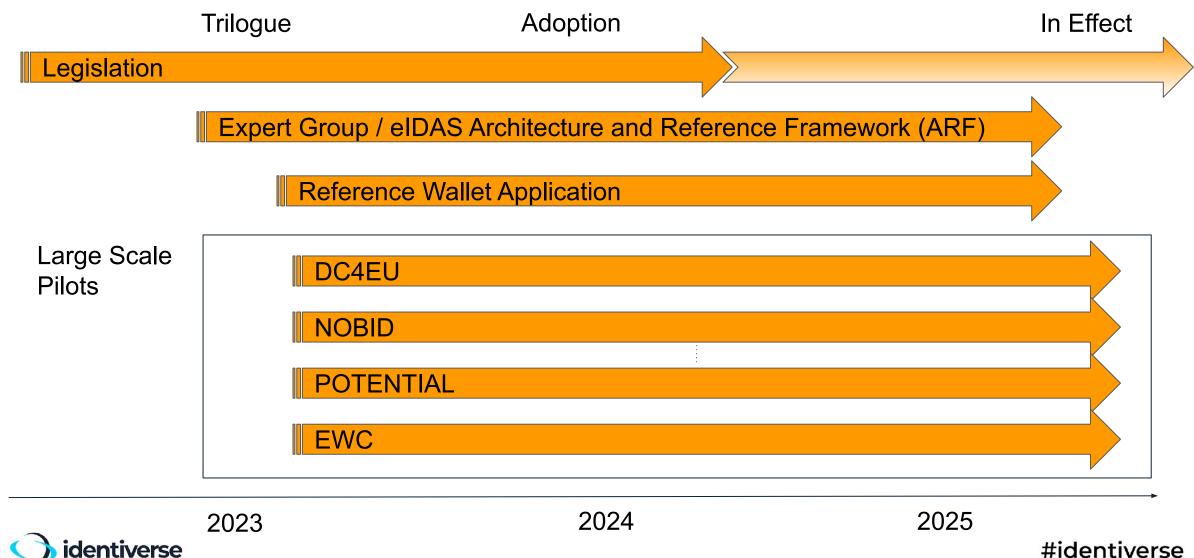




The EUDI Wallet at glance



Streams and Timeline



The eIDAS ARF

Along with the regulation, European Member States were asked to define a technical architecture, standards and **technical specifications**, **common guidelines** and **best practices**.

The first document elaborated by the experts of the Member States, the eIDAS Expert Group, was published on On January 26, 2023, this is called

"eIDAS Architecture and Reference Framework"



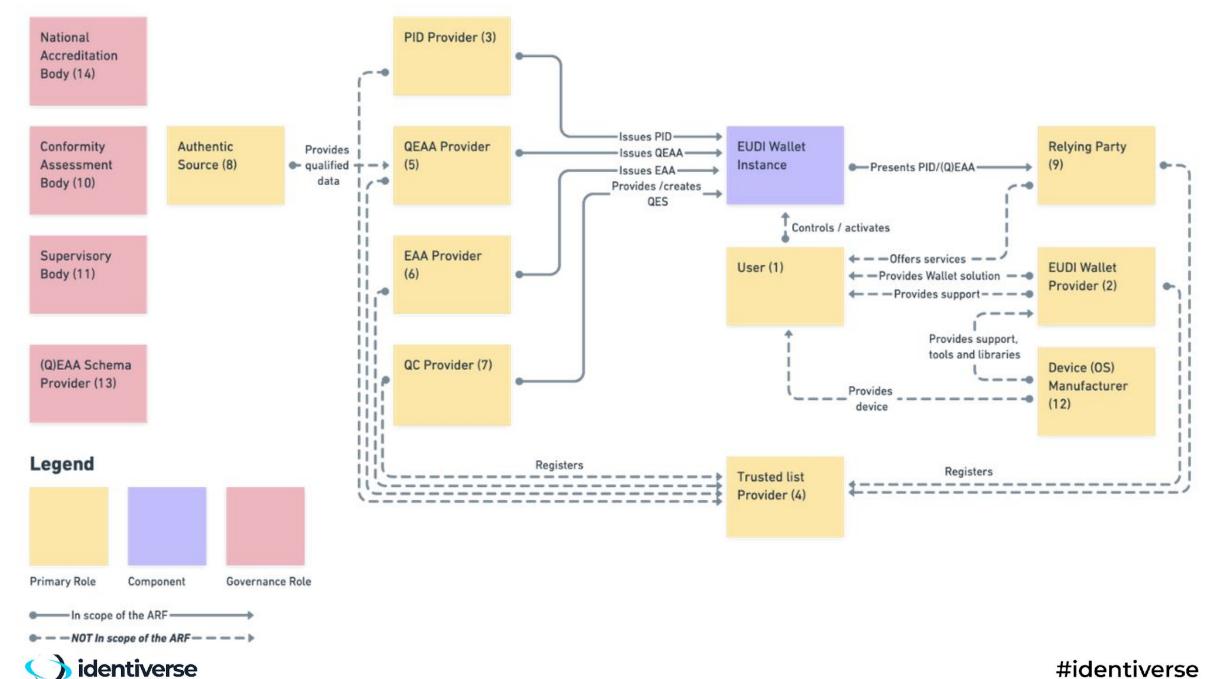
The elDAS ARF

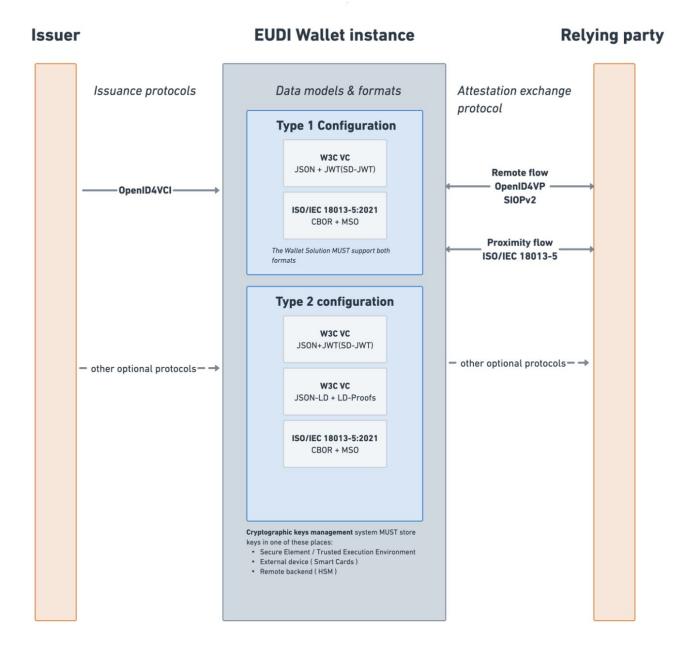
The eIDAS ARF defines:

- Five Use cases
- Roles of the ecosystem
- Technical specifications references
- Four Authentication flows
- Two Credential types

ARF supports the development of a reference implementation of an EUDI Wallet. The code will be available as open source for re-use by Member States.









Technologies

Credential Format / Protocols	OpenID for Verifiable Credentials (Online)	ISO 18013-5 (Proximity)
Selective Disclosure JWTs (SD-JWT)	0	×
ISO mdoc (ISO 18013-5)	0	0

• Person Identification Data (PID) MUST be issued in both formats.



ARF has ...

- References to technical specifications and standards
- Roles of the ecosystem
- Terms, acronyms and definitions
- Requirements

Ongoing work

- Trust Model
- Revocations
- Privacy and Security Considerations
- Legal Persons Identities
- Additional requirements



