The possible future of identity management using digital wallets

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Overview

• Wallet background
• What is this all about?
• Why should we care?
• What is happening now?
• What will actually change?
Wallet background

eIDAS

electronic identification and trust services

eIDAS 2.0 – European Digital Identity Wallet – EUDIW
What is this all about?

Digitalization of our wallet
What is this all about?

Protecting privacy and integrity of citizens
What is this all about?

Mobility across borders
Why should we (in education and research) care?

Regulation we need to follow
Why should we (in education and research) care?

Going from federated identity management to self-sovereign identities in browser authentication
Why should we (in education and research) care?

Think about the children!
What is happening now?

European Digital Identity – 4 Work Strands

**Legislative Process**
- Negotiation of the proposal for the revision of the eIDAS regulation underpinning the EUDI Framework

**Wallet Technical Standards**
- Member States and the Commission are in the process of establishing a common toolbox consisting of an architecture and reference framework, common standards and specifications and guidelines and best practices for the EUDI Wallet

**Large-scale Pilots**
- Grants under the Digital Europe Programme for large-scale pilots around use-cases for the EUDI Wallet including mobile driver licences, ePayments, eHealth and educational/professional qualifications

**Wallet Reference Application**
- Procurement of a reference application of the EUDI Wallet based on the technical standards agreed by the toolbox.
Large Scale Pilots

DC4EU

POTENTIAL
European Consortium for Digital Identity

NOBID CONSORTIUM

EWC
What will actually change – federated authentication

Identity Provider (IdP) → Service provider (SP)

1. Service provider (SP) requests authentication from Identity Provider (IdP).
2. Identity Provider (IdP) sends authentication request to the user.
3. User authenticates with Identity Provider (IdP).
4. Identity Provider (IdP) returns authentication response to Service provider (SP).
What will actually change – wallet eco-system
Federated identity vs. Self-sovereign identity

- Identity Provider
- Service provider
- Credential Issuer
- Verifier
- Wallet
- Verifiable data registry
It’s the end…

… of the world as we know it!

The world will change, will you change with it?

Be sure to stay tuned.
Thank you

Any questions?

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