

# **OpenWallet Foundation**

**Update and Overview** 







- Welcome & Agenda Daniela Barbosa
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# Introduction to OWF

**Daniel Goldscheider** 



## The digital identity landscape

Drummond Reed



## The three eras of digital identity



- X.500
- SSL
- TLS
- HTTPS

#### Federated

- SAML
- OpenID
- OAuth
- UMA

#### Decentralized

- Decentralized Identifiers (DIDs)
- Verifiable Credentials



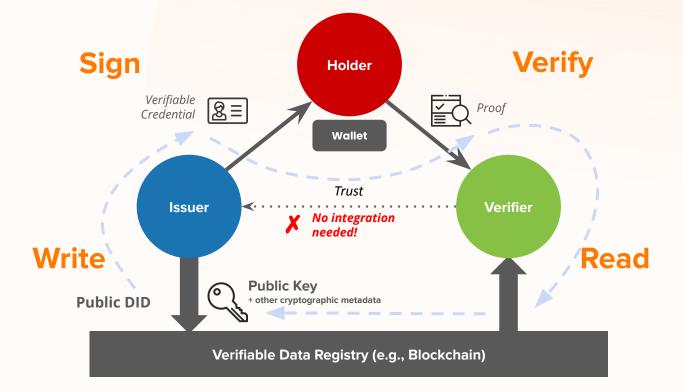




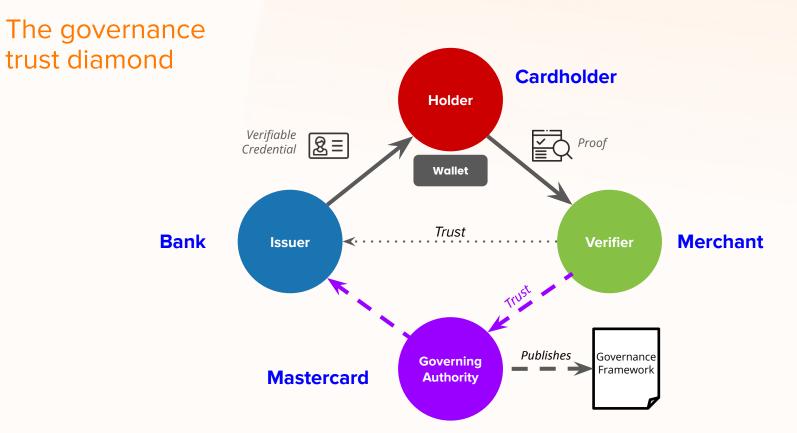




#### All digital credentials are based on the "trust triangle"

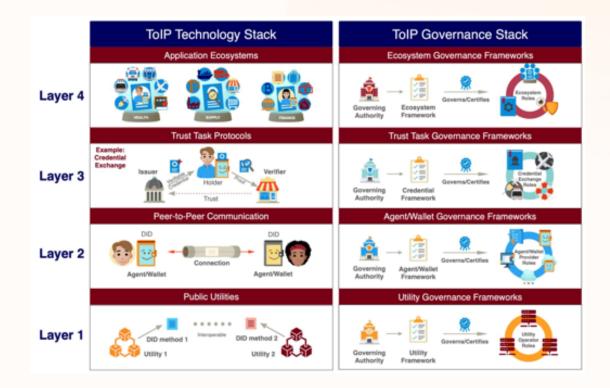


## How can digital identity wallets scale?





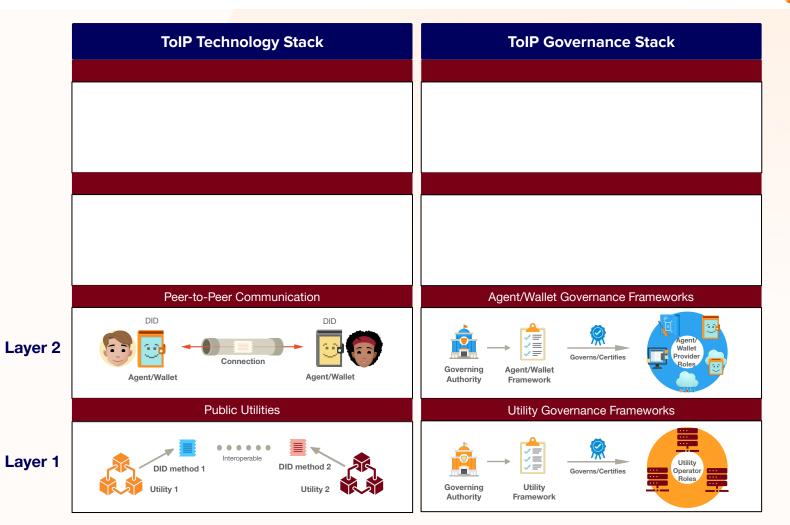
#### The Trust Over IP (ToIP) Stack

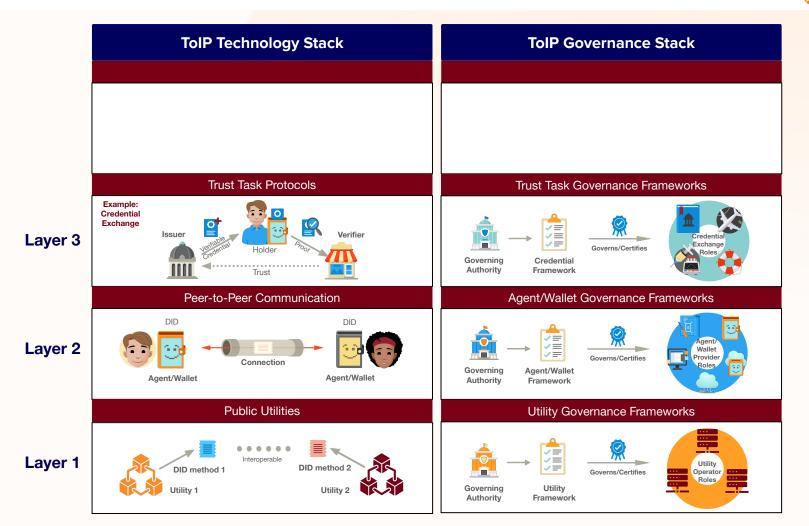


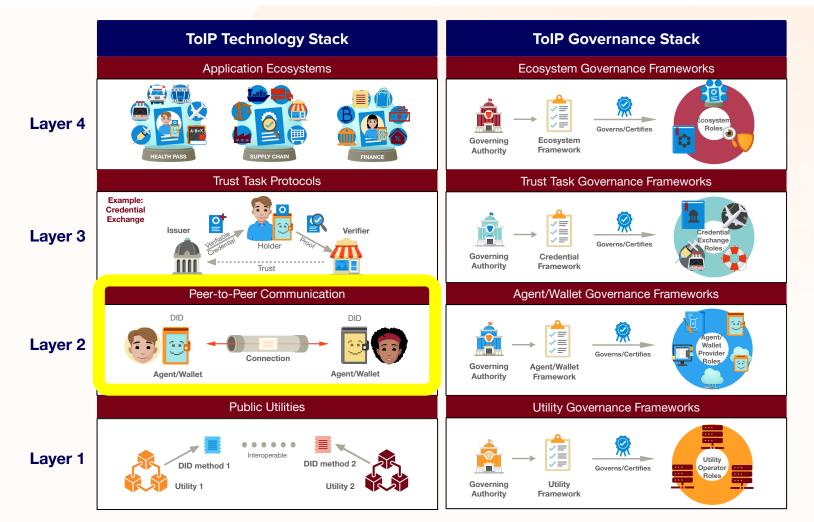


ToIP Technology Stack	ToIP Governance Stack

	ToIP Technology Stack	ToIP Governance Stack
	Public Utilities	Utility Governance Frameworks
Layer 1	DID method 1 Utility 1 Utility 2	Governing Authority Utility Framework

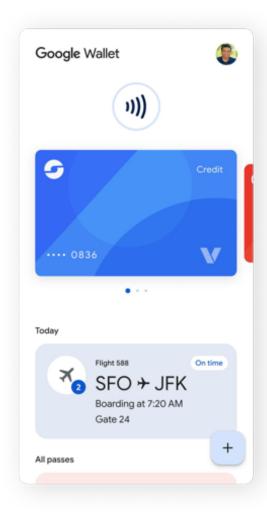






Today, when you say "digital wallet", everyone thinks of these two:







#### That's a problem.

#### At least, the EU believes it's a problem.

The EU wants a level playing field for digital wallets based on open standards and open source.

So they are funding the European Digital Identity Wallets initiative to the tune of over €75M. 🔕 Avast

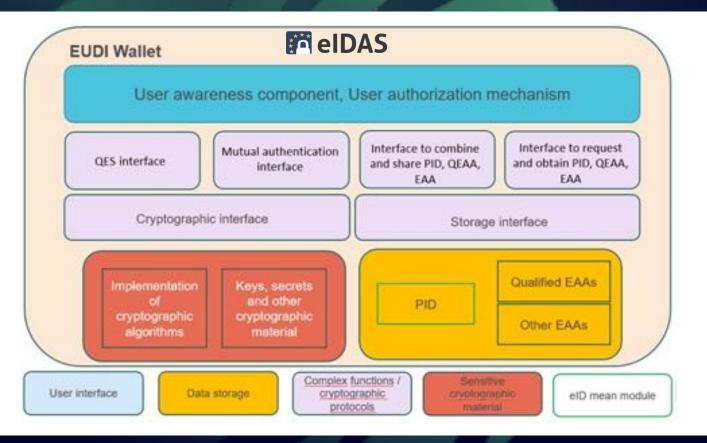
**eIDAS 2.0** and the **EU Digital** Identity Wallet

Dan Bachenheimer



#### elDAS







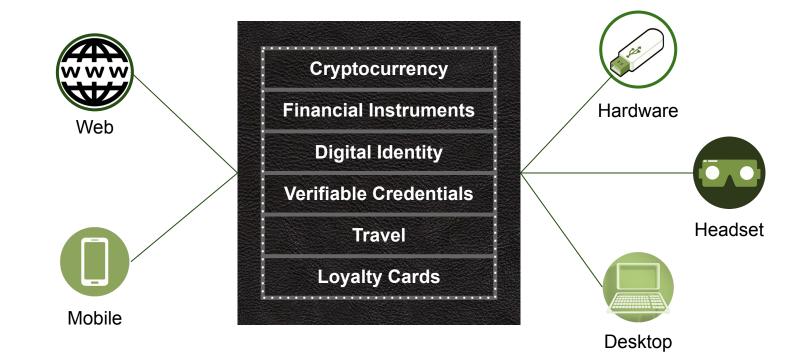
## Enterprise Perspective

Tracy Kuhrt



#### **Multipurpose Wallets**







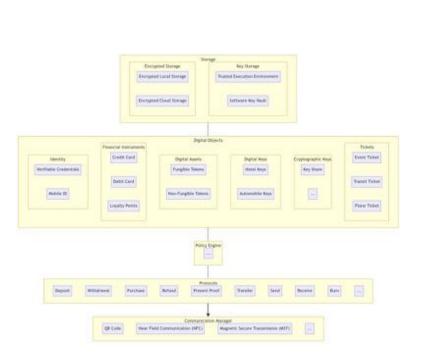
## Initial OWF Building Blocks

Tracy Kuhrt

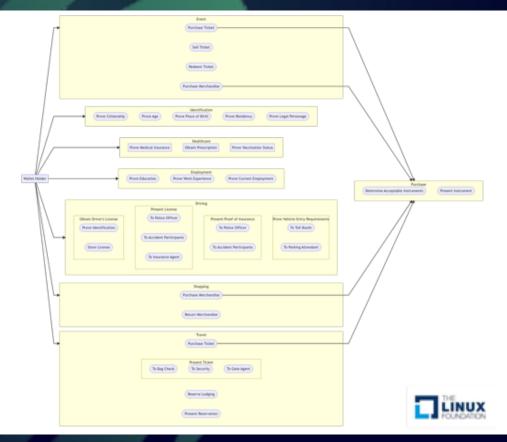


#### Where we started





https://github.com/openwallet-foundation/architectecture-task-force



#### **Proposed Initial Building Blocks**



- 1. Payment Tokenisation (EMV Tokenisation Specification)
- 2. ISO mDL (<u>ISO/IEC 18013-X</u> Mobile Driving License)
- 3. W3C Verifiable Credentials (W3C Verifiable Credentials Data Model v1.1)
- 4. Anonymous Credentials (AnonCreds Specification v1.0 Draft)
- 5. ICAO DTC (Digital Travel Credentials Technical Report v1.2)
- 6. Authentication



## OWF Structure

Scott Nicholas



#### **Structure of Foundation**



#### **Linux Foundation Europe**

### **OpenWallet Foundation**



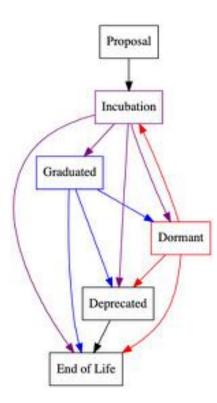


## Project Lifecycle

Hart Montgomery







- LF umbrella projects by definition are collaborations among multiple individual projects
- To facilitate this, they develop a standard project lifecycle process.
- For example, the <u>Hyperledger Foundation's Project</u> <u>Lifecycle</u> process defines six stages in the completely lifecycle of a project as summarized in this diagram
- The OWF will define a similar process to define the maturity, interoperability, security, privacy, and other requirements a component project must meet to become part of the OpenWallet distro

## How to Get Involved

Daniela Barbosa





# **Q & A**



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