

A young man with a wide, joyful smile is hugging a woman from behind. The woman has large, dark braids. The man is wearing a maroon t-shirt and is holding a stack of white cards or documents. The background is bright and out of focus, suggesting an indoor setting with large windows.

Solving vendor lock-in with Open Standards

Debora Comparin, SIA

Putting government back in control

**Eliminate vendor lock-in
for sovereign identity programs
today**



Vendor lock-in in a nutshell

Root Causes

Technology

- Interoperability
- Data portability

People

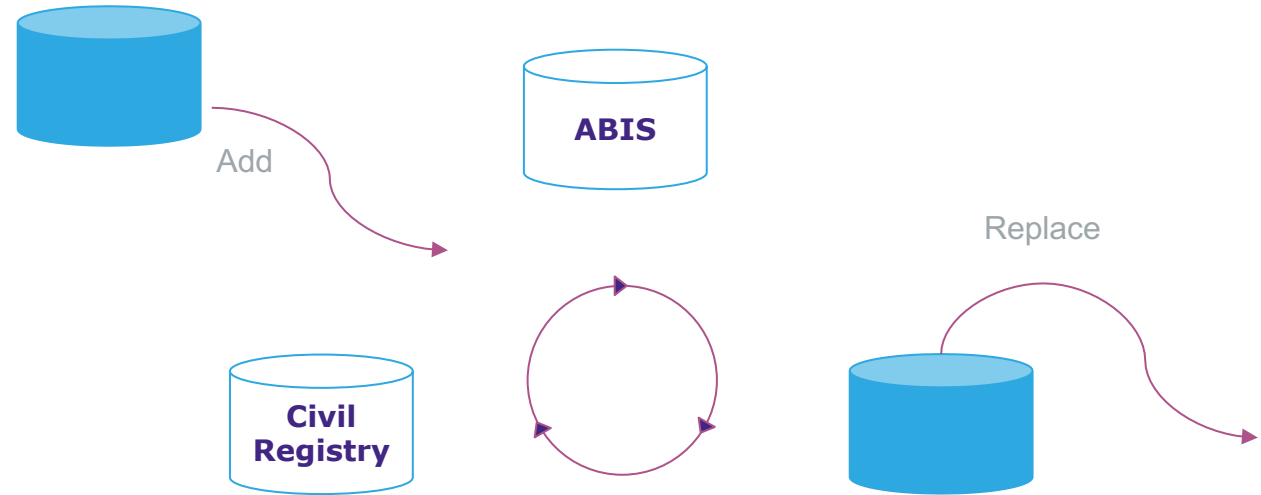
- Human resources
- Decentralized government oversight

Processes

- Contractual commitments



The Challenge



Dependency challenges equate to cost and operational risk

The background features a complex, glowing blue network of interconnected nodes and lines, resembling a molecular structure or a data network. The nodes are small circles, and the lines are thin, creating a web-like pattern. The overall color palette is shades of blue, from deep navy to bright cyan.

OSIA

OSIA relies on **Open Standards** to solve vendor lock-in

Global Identity Industry



Whole community agreement on technical regulations

Root Causes

Technology

Interoperability

Data portability

Why choose an open standards approach?

1

It preserves legacy systems

2

It builds up upon existing market offer

- Immediate deployment
- No over reliance on system integrators

3

It allows sovereignty of choice in terms of

- Providers
- Technology
- Solution

Benefits of an open standards approach

OSIA

Open Standards addresses governments' needs for

Simplicity

speed of deployment

choice



Our solution

1. Address the lack of common definitions within the identity ecosystem
2. Create a set of standardized interfaces

It's happening today



Our solution

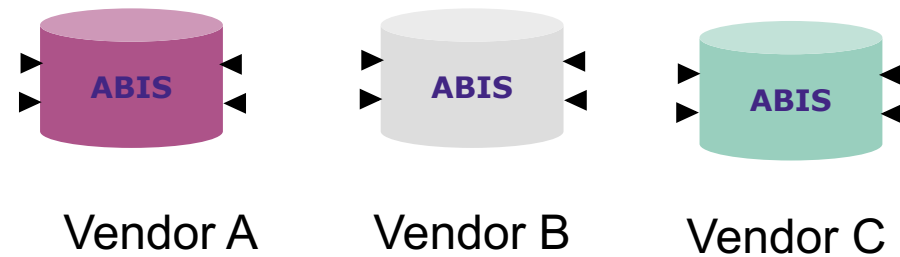
1. Address the lack of common definitions within the identity ecosystem

ex. ABIS to be replaced



Your market place

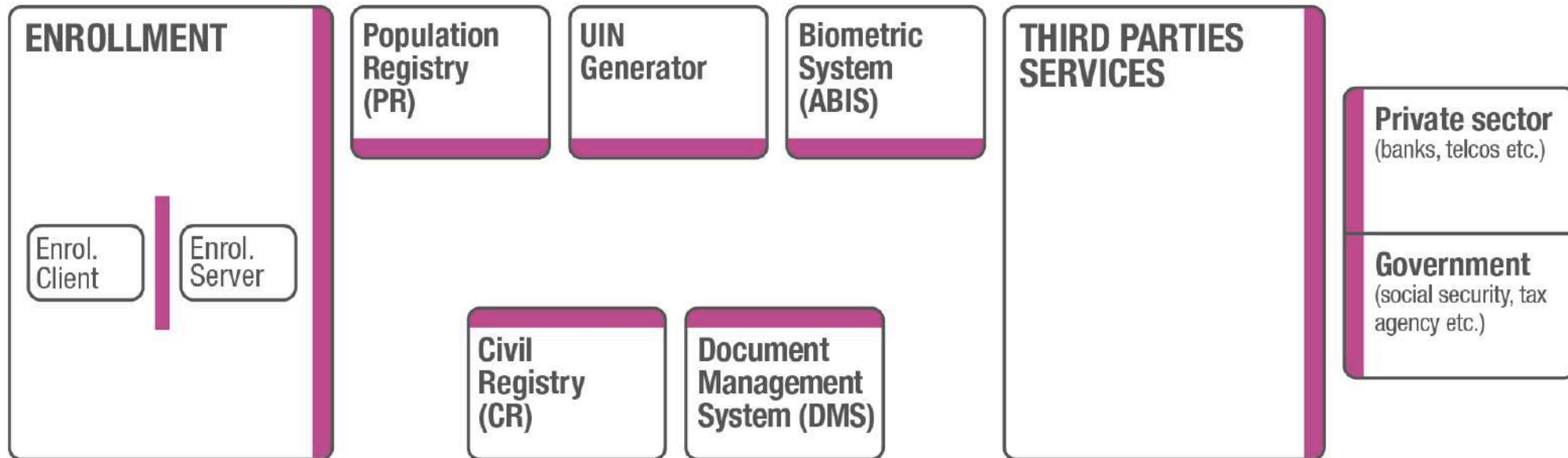
Different technology and features, same high level scope



OSIA Scope



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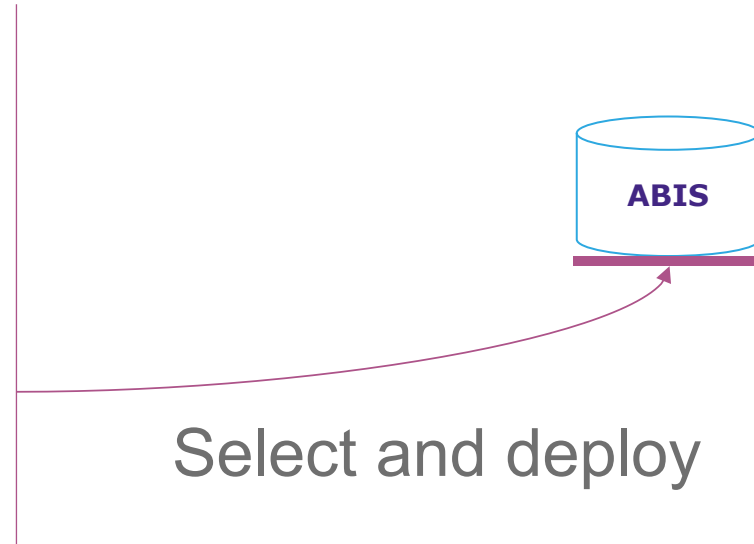


Our solution

2. Create a set of standardized interfaces

ex. Interface for ABIS is called 'Biometrics'

| Biometrics – List of services: |
|--------------------------------|
| Verify (1:1) |
| Identify (1:N) |
| Insert |
| Read |
| Update |
| Delete |



OSIA Scope



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| | ID ECOSYSTEM COMPONENTS | | | | | | |
|--------------------------|-------------------------|----|----------|------|----|-----|------------------------|
| SERVICES | Enroll | PR | UIN gen. | ABIS | CR | DMS | Third Parties Services |
| Notification | | | | | | | |
| Notify event | | U | | | U | | |
| Subscribe | | U | | U | U | U | |
| Unsubscribe | | U | | U | U | U | |
| Event callback | | I | | I | I | I | |
| UIN Management | | | | | | | |
| Generate UIN | | U | I | | U | U | |
| Data Access | | | | | | | |
| Get Person Attributes | U | IU | | U | IU | U | U |
| Match Person Attributes | | IU | | | IU | U | U |
| Verify Person Attributes | | IU | | | IU | U | U |
| Get Person UIN | U | IU | | | IU | U | |
| Get document | | IU | | | IU | | |
| Biometrics | | | | | | | |
| Verify | U | | | I | | U | U |
| Identify | U | | | I | | U | U |
| Insert | | U | | I | | U | |
| Read | | U | | I | | U | U |
| Update | | U | | I | | U | |
| Delete | | U | | I | | U | |
| Get Gallery | | U | | I | | U | |
| Get Gallery content | | U | | I | | U | |
| ID Usage | | | | | | | |
| Verify ID | | | | | | | I |
| Identify ID | | | | | | | I |
| Get Attributes | | | | | | | I |
| Get Attributes set | | | | | | | I |

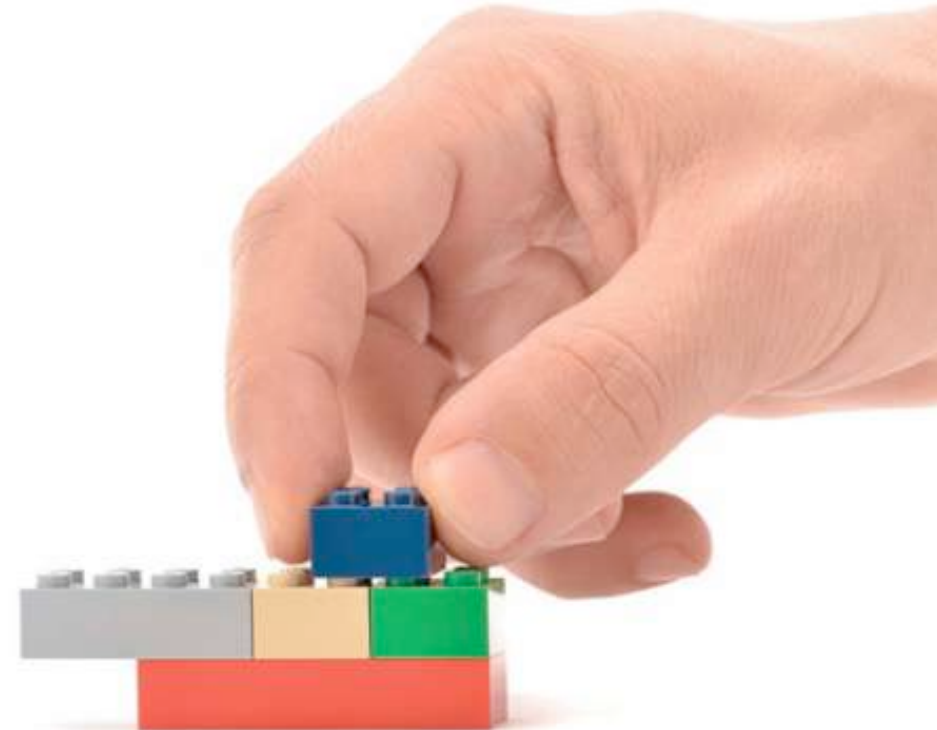
List of services OSIA will interface with. (I) indicates the components implementing the services defined and (U) indicates the components using the services

OSIA in a nutshell



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- 1 Choose your components from the market
- 2 Easily connect them to build your solution



Our community today

Working Group members



Advisory Committee

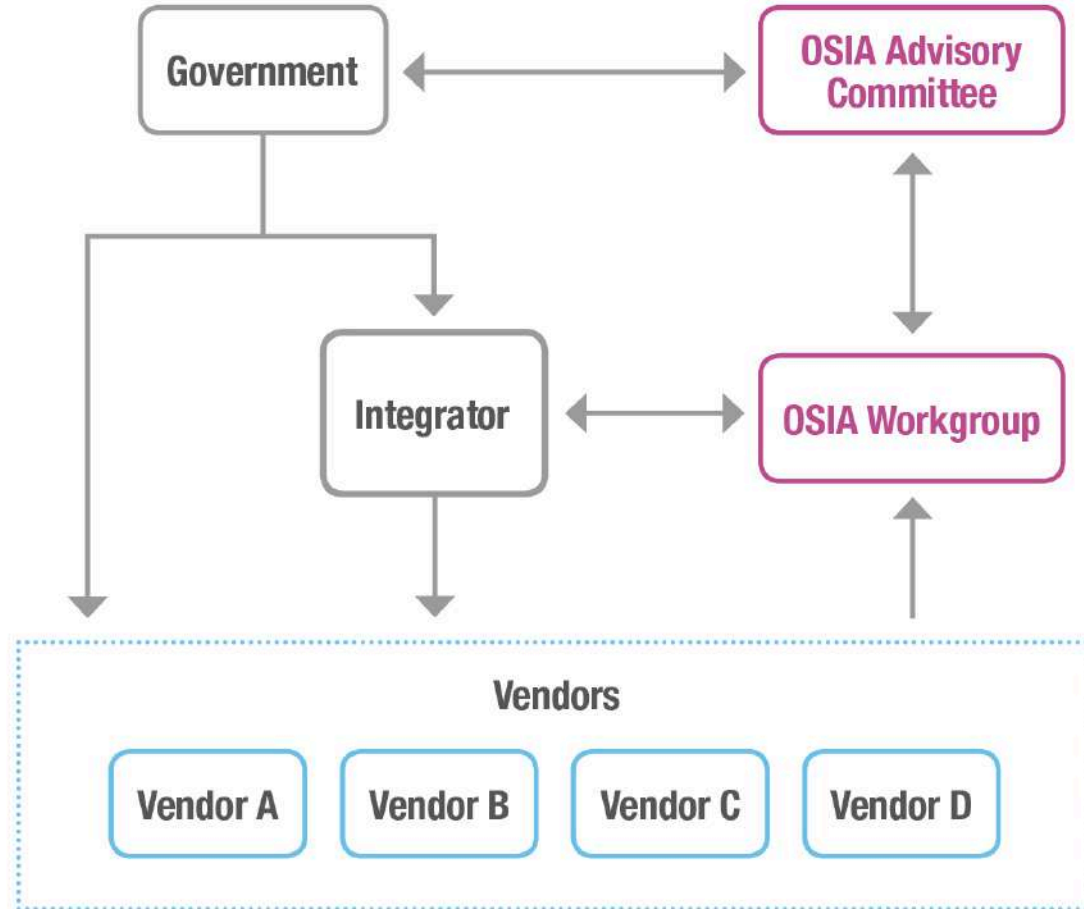
Chaired by:



Governance overview



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Our Guiding Principles



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Sovereignty

**Technology
Neutrality**

**Privacy by
Design**

Our Timeline



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Technical Timeline :

- **Build Start**
Sept 2018
- **OSIA v1.0 (CR, PR, UIN Generator)**
Dec 2018
- **OSIA v.2.0 (ABIS)**
June 2019
- **OSIA v3.0 (enrollment and 3rd parties services)**
Oct 2019

Where to find OSIA specs?



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OSIA GITHUB PAGE

The screenshot shows the OSIA GitHub repository page. The main heading is "5. Interfaces" with a sub-heading "5.1. Notification". Below this, there is a text block: "See Notification for the technical details of this interface." and "The subscription & notification process is managed by a middleware and is described in the following diagram:". A sequence diagram is displayed, showing the interaction between an "Event", "Notification Engine", and "Subscriber". The diagram includes the following steps: "First step is to create the topic", "Then a system can subscribe for events published on that topic", and "confirm the address before the subscription is active". A navigation sidebar on the left lists various sections of the project, including "Introduction", "Functional View", "Security & Privacy", "OSIA Versions & Referencing", "Interfaces", "5.1. Notification", "5.2. Data Access", "5.3. UIN Management", and "5.4. Biometrics".

www.OSIA.io



How to reference OSIA in tenders?



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OSIA - [interface name] v. [version number]

OSIA - Notifications - v. 1.0

OSIA - UIN Management - v. 1.0

OSIA - Data Access - v. 1.0

OSIA - Biometrics - v. 1.0

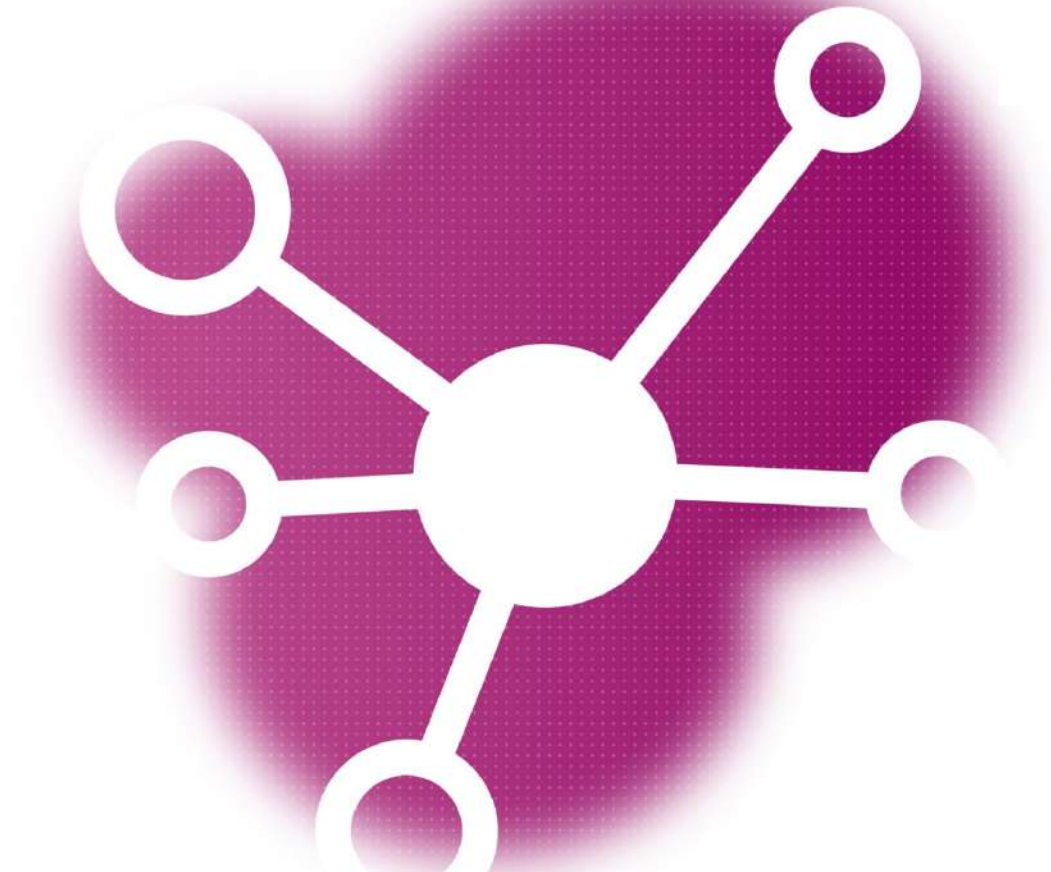
OSIA - Third Party Services - v. 1.0

OSIA Information meeting



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At 11 AM today
Function Room: JULIA





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**SECURE
IDENTITY**
ALLIANCE

**We support the provision of legal,
trusted identity for all.**

**We drive the development of inclusive
digital identity services necessary
for sustainable, worldwide economic
growth and prosperity.**

The heritage and expertise of our members

Our members have over

25,000

scientists, experts & professions

Our members have experience in over

190

countries

Our members have developed key ID related technologies covering over

85%

of world's population

Our members have participated in the development of over

1000

ID related standards



Advocacy

We believe legal, trusted identity is the cornerstone of rights protection, social inclusion and digital economic development - and the access point to a wide range of essential public and private services.



We collaborate

We bring together public, private and non-government organizations to foster international collaboration on the issues of legal identity.



We support

- The goals of the UN's 2030 Agenda for Sustainable Development.
- The World Bank Group Identification for Development (ID4D) Program's Principles on Identification for Sustainable Development Towards the Digital Age.
- The Charter of Fundamental Rights of the European Union.
- ID4Africa and its Identity Council.



We believe in open standards

We are driving the development of international open standards (as our members have for over 40 years).



We are committed to a strict code of conduct

It is our firm belief that strict adherence to high ethical standards is key to meeting our objectives.



www.secureidentityalliance.org