IOPS

Open Platform System

Giving governments the ability to choose the components of their ID solution is a core principle at the heart of sovereignty. Every ID management solution should have a modular design, enabling governments to have the flexibility to select and combine components of an identity ecosystem which best suit their needs.

Design and create your ID ecosystem

Open Platform System (IOPS) is the brain behind governments' identity solutions. It manages all communications and requests involved in the issuance of a trusted identity.

By interconnecting all components of an ID solution, IOPS provides the flexibility to add or remove components based on the needs of governments.

In the context of population enrollment, IOPS interacts with enrollment stations, a population registry for attribute storage and, an Automated Biometric Identification System (ABIS) to ensure the uniqueness of the identity.

Additionally, IOPS facilitates the growth of an identity management ecosystem over time by incorporating new components, all while relying on OSIA (Open Standard Identity APIs) to prevent vendor lock-in.

IOPS offers:

Orchestration and notification service to manage communications and notifications between all the components.

Business Process Management engine (BPM engine) to accelerate an applicant's request by digitizing all existing processes. It ensures a consistent workflow wherever the solution is implemented, fostering trust in the process.

Auditing system to provide logs containing insightful information on the system's performance and status.

Administration to monitor activities and centrally manage the configuration of IOPS and user rights via the web interface.

Key Benefits

Unmatched performance

Designed to support 100K+ requests per day.

Seamless customization

Built-in customizable business processes to easily orchestrate the various components of the solution, tailored to meet the specific needs of a country.

Easy plug-and-play solution

Standard interfaces (OSIA—Open Standard Identity APIs) that enable quick and easy connectivity with external systems.

Easily adaptable to support interaction with any legacy subsystem.



IN GROUPE

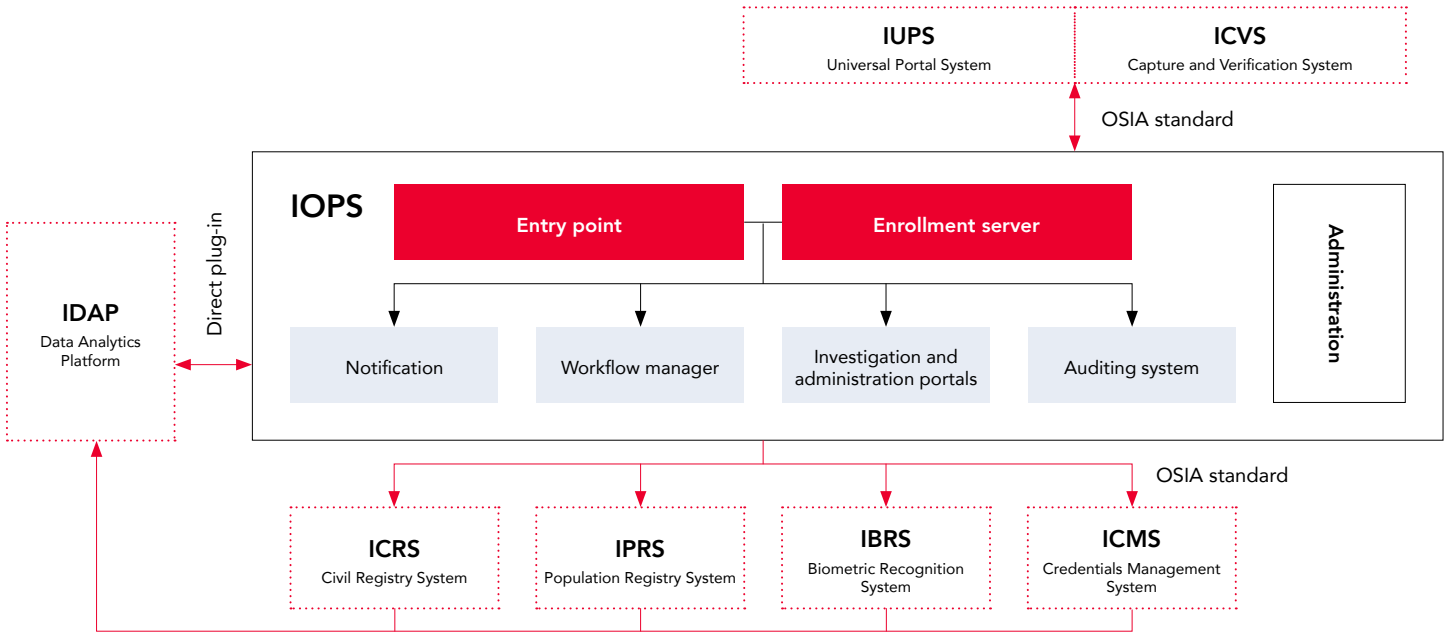
Interaction with external environment

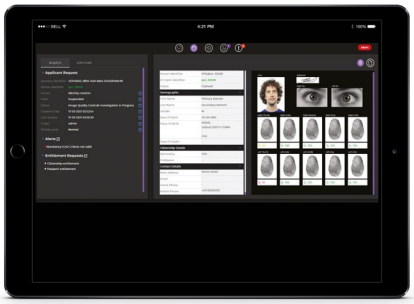
As part of the IDway solution, IOPS seamlessly interfaces with all other components of IDway, ranging from pre-enrollment and public services like a citizen portal (IUPS), to enrollment stations (ICVS), Population Registry (IPRS), Civil Registry (ICRS), ABIS (IBRS), and Credential Management (ICMS), as well as any third-party system.

IOPS serves as the key system for governments to connect and orchestrate all selected components in designing the ID management solution that best suits their needs.

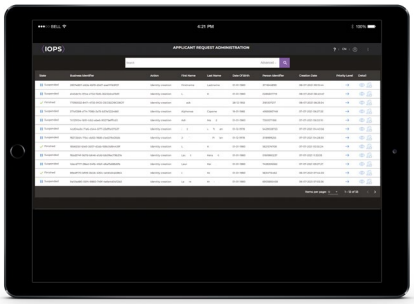
All interactions between IOPS and IDway components are done through an easy plug-in based on open standard (OSIA) to ensure seamless modularity and to avoid vendor lock-in.

Moreover, IOPS interfaces with Data Analytics Platform (IDAP), which collects all logs and data from each component linked with IOPS.





Investigation



Administration

Investigation and administration portals

IOPS offers investigation and administration portals.

The investigation portal allows a certified agent to manually analyze litigious cases and make the decision to either pursue or reject the applicant's request.

The administration portal allows an administrator to view all the applicant requests and manage them from the portal.

Cutting-edge technology

Workflow management: BPMN2

Compliance to standards: GDRP, NIST

Security: RBAC on all business services, data encryption, TLS secure connection

Interface/APIs: REST interfaces, ITU-T X.1281 (OSIA)

UI: State-of-the-art GUI technology based on Angular

User management and access control: Integrated with LDAP, supports OAuth2 and Red Hat SSO

Deployment: Deployed with Docker and Kubernetes

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