IPRS
Population Registry System

With its repository of individuals' main attributes, a population registry is the core component of any ID management ecosystem. It is a reliable source of ID attributes, accessible to external registries and authorized third parties.their needs.

Your solution to manage your population's ID attributes

Population Registry System (IPRS) is designed to securely store and manage the main ID attributes of individuals, including citizens, residents, visitors, and refugees. IPRS can be seamlessly integrated and interfaced with any existing external system and application, thereby serving as a reliable source of ID attributes.

IPRS offers:

- Gallery management to build and query population subgroups such as watchlists, voters, taxpayers, etc.
- Case management to implement and enforce business processes for identity updates, changes, and consultations.
- Unique identifier management to generate and manage unique identifiers for each individual.
- Biographic repository to store all demographic data of individuals, with built-in advanced search capabilities.
- Image repository to store all images of supporting documents.
- Auditing system to provide information on the system's performance and status.
- Administration to monitor activities and manage the centralized configuration of IPRS and user rights on the web interface.

Key Benefits

Unmatched performance

Designed to efficiently manage large databases with very high throughput and low response time under real-life conditions.

High flexibility

Easily customizable data model to fulfill any country's needs and local regulations.

Easy plug-and-play solution

Quick and easy to interface with external systems by relying on OSIA standard interface.

Easily adaptable to support interaction with any legacy subsystem.



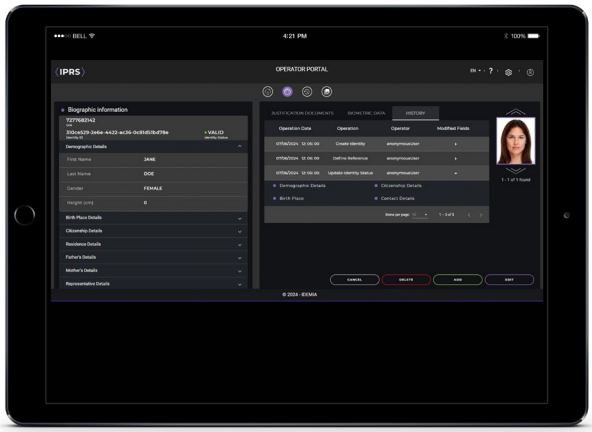
IN GROUPE

Interaction with external environment

As part of the IDway suite, IPRS seamlessly interfaces with all other IDway components through Open Platform System (IOPS).

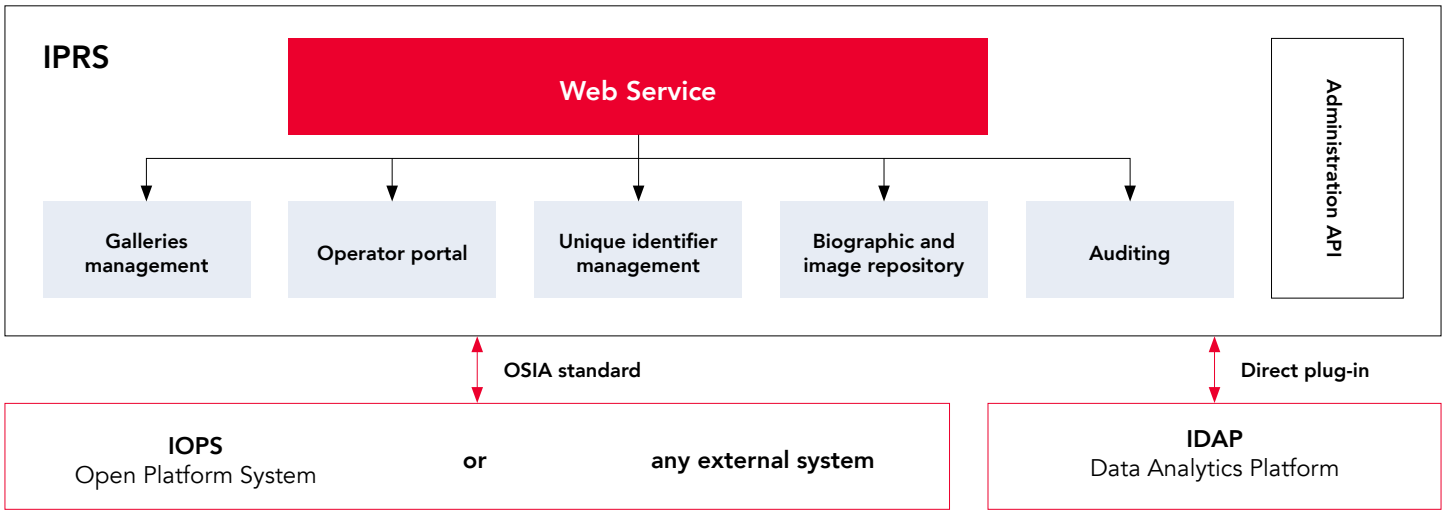
In this way, IPRS serves as one of the various components of the IDway suite that governments can use to design a system tailored to the needs of their country. IPRS is also available as a stand-alone component and can easily be connected to any external system. In both cases, the interaction between IPRS and the external environment is done through an easy plug-in based on OSIA open standard to ensure seamless modularity and avoid vendor lock-in.

Additionally, IPRS can be directly coupled with Data Analytics Platform (IDAP) through a built-in plug-in.



Operator portal

IPRS provides a web-based application portal with a user-friendly interface that enables operators to search for a person and access their identity history.



Cutting-edge technology

Architecture: State-of-the-art architecture based on microservices

Compliance to standards: GDPR

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

Deployment: Deployed with Docker and Kubernetes, Disaster Recovery Site with high availability

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