

IDENTOS

FPX Resource Server Adapter (RSA)



Your Integration Bridge to Accelerate Privacy Respecting & Secure Authorization Networks

Flexibility in accommodating unique Resource Servers in OAuth networks.

FPX OIDC RSA accelerates user-centric digital transformation using UMA 2.0 technical standards. The Resource Server Adapter is a middleware that enables secure integration between resource servers and wallets. It grants secure data and API access to wallets and performs other critical functions like UMA management, client PEP, and user authentication services.

Examples of what RSA can effectively do are below:

- Enables integration of Google API Services
- Adapts closed-source systems to UMA standards
- Connects Active Directory for secure user info sharing

RSA can perform essential authorization duties on behalf of an application(s) that wants to act as a Resource Server. This considerably reduces the burden of change on the application/ resource server. This is the critical value of the RSA in a modern microservices and API-driven ecosystem that requires a high level of security and privacy.

Resource Server Adapter Core Functionality

Grant Control Over User Data & APIs

- Authenticate users and obtain consent
- Issue tokens representing user access rights (Resource Owner Tokens)
- Enable non-repudiation of permissions granted to user wallets

Policy Enforcement

- Determine required resources and scopes of endpoints, protecting them via OAuth scopes and rules.
- Enforce combined user and client access rights
- Acquire UMA permission tickets from Authorization Servers for a UMA clients

Resource Server Integration

- User authentication services
- Rights management and token introspection
- API integration with resource filtering

Benefits of Resource Server Adapter (RSA)

- The RSA is tailored to each integrated application's architecture, protocols, business rules and policies
- Extend granular controls to third-party apps and legacy systems
- Avoid complex application re-engineering
- Support custom data sources and authentication flows
- Enhance security with a hardened identity layer