fortux

IDENTITY **PROVIDER**

DATA SHEET

API **MANAGEMENT**

Single sign-on and delegated access control.

2020

Single **Sign-on**

Unified Identity and Access Management platform based on the implementation of open, industry standard Single Sign-on and Delegated Authorization frameworks. Available as a cloud service or enterprise data centre deployment.

OpenID Connect Provider

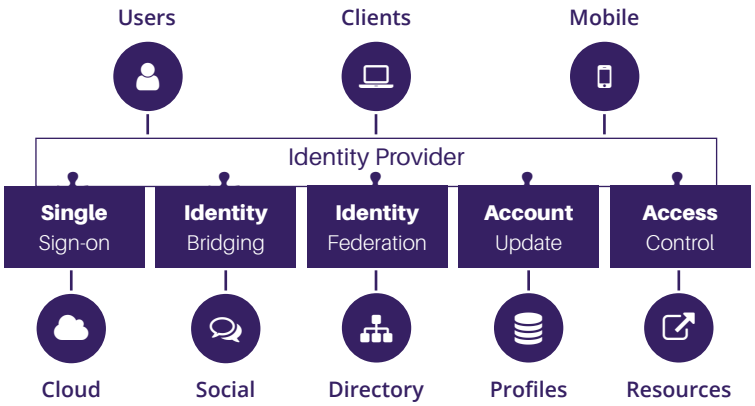
Identity Provider includes enterprise-class implementation of identity layer on top of OAuth 2.0 authorization framework, fully compliant with OpenID Connect 1.0 specification. API consumers can utilize web console or REST interface to manage their end-user accounts and client applications, and benefit from using the following authentication services:

- *Single Sign-on* — federated authentication across systems.
- *Identity Bridging* — delegated authentication to social platforms.
- *Identity Federation* — directory-based account synchronization.
- *Two-factor Authentication* — one-time password enforcement.
- *Account Management* — user profile/credentials management.
- *Client Registration* — dynamic client application enrollment.

Identity Management

User profiles and credentials are stored in the *Identity Provider* database or in a federated LDAP directory. Trust can be established with social identity providers, to access third-party cloud services. Enhanced security includes password policies and mobile two-factor authentication.

Authentication Element	Target Object / System
Identity Token	Realm, User, Session
Client Application	Realm
Password Policy	Realm
Login Session	User, Client
User Group	Realm, Group, Directory
User	Realm, Group, Directory



KEY **BENEFITS**

- Decoupled from API resources.
- Uses industry standards to manage end-user and system identities.
- Allows synchronizing user accounts with existing directory services.
- Provides seamless authentication to popular social identity providers.
- Can be used in web application and API resource access scenarios.

Identity Services

Access **Control**

OAuth Provider

Identity Provider includes enterprise-class implementation of Authorization and Resource Servers compliant with OAuth 2.0 and UMA 2.0 standards. Client applications can use OAuth interface to gain access to API resources, and benefit from utilizing the following authorization services:

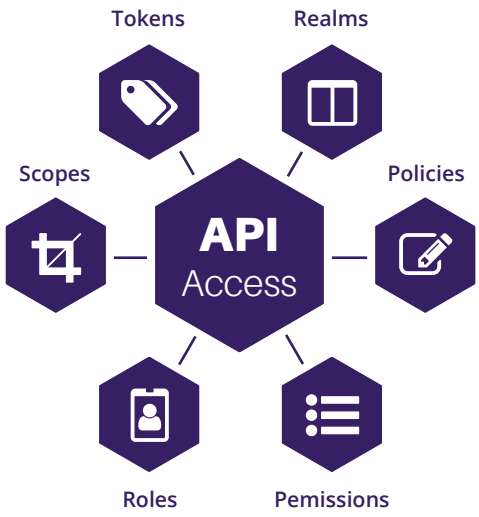
- *Access Control* — delegated, token-based API authorization.
- *Security Realms* — multi-tenant access control administration.
- *Policy Management* — access condition definition/enforcement.
- *Security Role Mapping* — category-based resource access control.
- *Permission Management* — fine-grained resource/policy mapping.
- *Security Event Auditing* — centralized event logging and alerting.

API Management Security

API Management platforms can rely on *Identity Provider* to control access to application services, and relieve API developers from implementing the intricacies of API resource security. Meanwhile, API consumers can register their client applications with *Identity Provider*, and focus on the integration and data processing aspects of the API access.

Authorization Element	Target Object / System
Access Token	Realm, Client, Session
Security Realm	Identity Provider
Client Scope	Client, Resource, Token
Access Policy	Client, Policy, Role, Group, User
Security Role	Client, Scope, Role, Group, User
Permission	Resource, Scope

***Identity Provider* enables third-party applications with OAuth 2.0 based authorization. Ideal for API Management platforms exposing secure application services.**



SECURITY **FEATURES**

OAuth 2.0 Authorization and Resource Servers.
Multi-tenant access control administration.
Security event logging and alerting.
High Availability with clustering.

The complexity of low-level API resource access control is hidden behind the implementation. Modern enterprise and mobile applications can take advantage of convenient OAuth2 interface to obtain access tokens and quickly integrate cloud services into their solutions.

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