



ProAuth

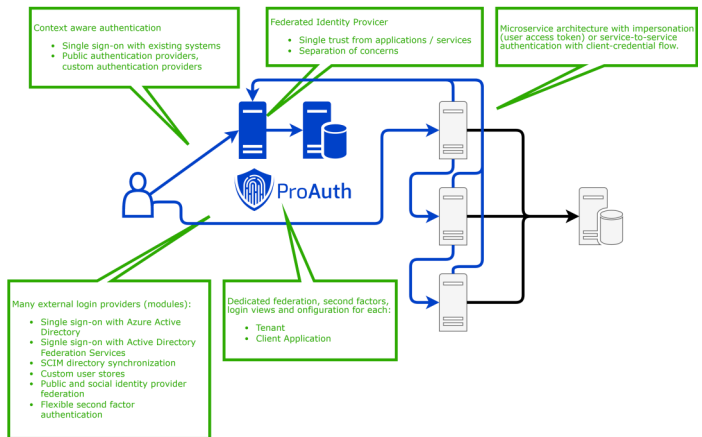


ProAuth is an OpenID Connect identity provider solution for enterprise applications by 4tecture. We focus on multi-tenancy functionality where custom tenant specific federation settings and customization of all login views are possible. The configuration, including the addition of new federated identity providers, is performed at runtime via the Admin Tool or via API. This enables an efficient integration into sign-up and configuration workflows. Additional enterprise features such as the claim rule engine, directory synchronization and auditing complete the offering.

Your application needs

Nowadays, still a lot of applications lack of a good authentication concept and implementation. Often, there is only a limited form of authentication options available and those are highly coupled into the application which makes it hard to maintain and easily adopt to customer requirements. There should be a clear distinction between application logic and authentication implementation and data.

Modern applications or microservice architecture should rely on a trusted identity provider which decouples the authentication implementation from the services or applications. There should be a single trust from the applications and services, so that new federated identity providers or customer specific configurations do not affect the implementation or deployment of the services and applications.



Our Solution

- Dedicated Authentication Service
 - Reduction of dependencies and maintainability costs
 - Single point of trust / separation of concerns
- Modern Authentication Protocols
 - OpenID Connect, OAuth 2.0
 - Modularized federation with a great variety of providers
- Focus on SaaS Companies
 - Configuration at runtime with management API and UI
 - Management of identity providers on tenant basis
 - Tenant specific layout, design, translations and pages
- Enterprise Ready
 - Kubernetes ready - failover and load balancing with zero-downtime deployments
 - Metric endpoints and audit trail
 - Directory synchronization (SCIM protocol)

Features

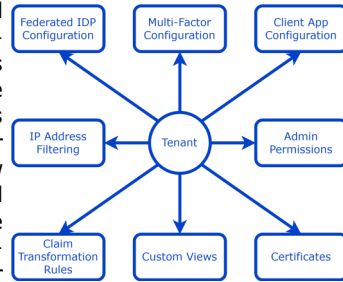
- OpenID Connect Protocol
- Multi-tenancy authentication scenarios and configuration
- User store to manage users, credentials and groups
- Federation to other identity providers
- SCIM synchronization with other directories
- Modular multi-factor authentication
- Invitation flows and user questionnaires
- Tenant-specific customization of all authentication views
- Flexible claim rule engine for standardization or dynamic extensions of claim sets
- Runtime configuration of identity providers, multi-factors, and tenants
- Auditing of configuration changes and authentication events
- Certificate management
- Management API and UI



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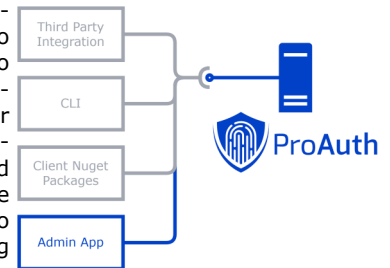
Multi-Tenancy

ProAuth is specifically designed to support enterprise application and SaaS offerings. It is important to easily integrate your customers as seamless as possible. ProAuth is built for multi-tenancy scenarios. A new tenant can be easily integrated during runtime and enables the user to federate into its directory. Custom login screens for apps or tenants can be defined as easy as it is to add additional factors for authentication. The tenant identification can be achieved by assigning a custom sub-domain or URL path to a tenant in your application, applying IP address ranges or by providing the tenant information through the OIDC protocol.



Enterprise Features

In addition to the enterprise-grade hosting scenarios with failover, auto-scaling and zero-downtime deployments, ProAuth is offering features like audit trail logs of configuration changes and login events as well as directory synchronization with Azure Active Directory or Active Directory based on the SCIM protocol. ProAuth provides a management API to support the integration into enterprise application workflows, registration wizards or business process automation. Metrics endpoints and health probes support the seamless integration into your existing monitoring solution.



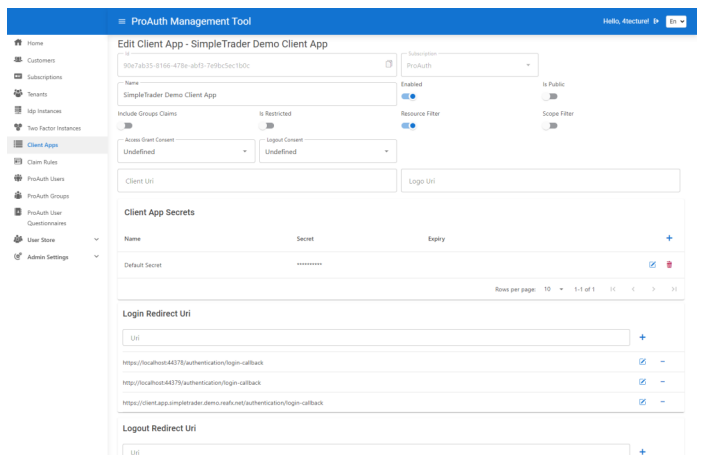
Ready, steady, authenticate!

ProAuth is a ready-to-use solution that requires no programming. The deployment is fully automated and only requires a few basic configurations to get you started with ProAuth. Configuration is done either via the management UI, CLI or API. Since ProAuth is based on the OpenID Connect protocol, you are able to use any compliant client authentication library of your choice and technology. To integrate ProAuth into your sign-up and registration processes, we offer typed .NET client libraries and an OpenAPI specification of our management API.

ProAuth is running in your data center or your cloud environment. Therefore, you are in full control of your and your customer's data. With our container-based approach, ProAuth will nearly run everywhere and is easy to scale. We provide a Helm package to easily configure and run it in Kubernetes and also support zero-downtime upgrades. If desired, we also offer additional hosting, operations and support packages for ProAuth.

ProAuth is licensed per deployment environment and available in three different editions. The starter and business editions are available as subscription licenses whereas the enterprise edition is available as subscription and perpetual license. For enterprise customers we additionally offer a redistribution license. Please visit our website for detailed information about [pricing](#) and [features](#). We continuously update our solution and make sure you benefit from a secure and modern authentication experience.

Our solution is widely used in internal and external business applications, financial solutions, and laboratory systems, among others. Our team will be happy to support you with the integration into your environment.



4tecture GmbH

4tecture offers consulting services for DevOps, cloud architectures and modern development processes in the .NET and Azure area. 4tecture provides services for all aspects of the development of new or existing software solutions. For more than 10 years we have been successfully supporting our customers in the industrial, pharmaceutical, financial, e-commerce, SaaS applications and telecommunication sectors. Our products [ReaFx](#) and [ProAuth](#) form the basis for an efficient, modern and secure software implementation.

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For more information please visit www.proauth.net.