



NFQES

NFQES IAM

A centralized solution for authentication, authorization, and identity management of users

IAM (Identity & Access Management) provides a unified mechanism for user sign-in, access control, and enforcement of security policies across the entire organizational infrastructure. The solution is designed as a **ready-to-use platform** that can be deployed immediately without the need for extensive custom development.

Benefits

- Centralized identity and access management
- Support for modern security standards
- Ready-to-use administrative interface
- Flexible API-based integration
- Scalability for large organizations
- Minimal requirements for custom development

Core functionalities

Authentication and
Authorization

- Support for OAuth 2.0 and OpenID Connect (OIDC) standards
- Issuance and validation of JWT tokens
- Centralized access control for frontend applications and backend APIs
- Single Sign-On (SSO) support



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User and Identity Management

- Creation, modification, and deactivation of user accounts
- Management of user profiles
- **Identity management via:**
 - ↳ *Web-based administrative interface*
 - ↳ *REST API (documented using Swagger/OpenAPI)*

Roles and Permissions

- Definition of custom roles
- **Role assignment:** *at the individual user level or at the user group level*
- Dynamic permission changes without application-level modifications.
- Centralized storage of authorization rules.

User Groups

- Creation and management of groups with a large number of users.
- Bulk operations on groups: role assignments, notifications, permission changes.
- Simplified administration for large organizations.

Delegation and "On-Behalf-Of" Access

- Support for authentication on behalf of another entity
- **Ability to:** *sign in as another user and sign in on behalf of an organization*
- **Suitable for:** *delegation scenarios, service accounts, approval workflows*

Supported SSO solutions

Microsoft Entra ID
(Microsoft 365)

Active Directory

OAuth 2.0 / OIDC-
compliant identity
providers





Integration Models



External Permission Management

- Permissions defined directly within the SSO system (e.g. Microsoft Entra ID).



Internal Permission Management

- SSO handles authentication only.
- Authorization and roles are managed within IAM.

Administrative interface

- Web-based interface for complete IAM management.
- Management of: *Users, groups, roles, permissions*.
- No need to develop a custom administration portal.
- Full automation capabilities via API.

Monitoring, Auditing, and Security

Area	Capabilities
Monitoring	Track user sign-ins, API calls, and network access
Threat Detection	Identify anomalous behavior
Security Controls	Enable audits, block access, apply geographic restrictions
Reporting	Export logs in CSV or Excel





Technical interfaces

Technical interfaces enable integration of the IAM system with external applications and services via standardized APIs and protocols

- REST API
- OpenAPI / Swagger documentation
- JWT validation for external systems
- Integration options for:

Custom web applications



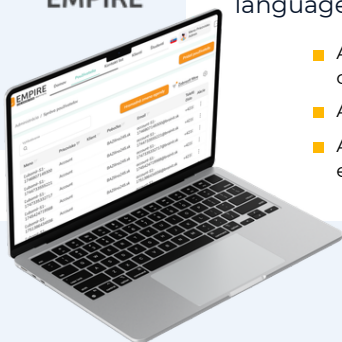
Mobile applications



Microservices architectures



Selected references



EMPIRE THE KNOW-HOW INSTITUTE - is a Slovak and Czech language school and certified educational institution specializing in corporate and individual language courses.

- A system for unifying activities, approaches and overviews
- Access to important study overviews and reports
- A comprehensive and unified system that makes work easier for all administrators

EMPIRE language institute software unifies agendas, accesses, and reports into one clear system. It allows quick access to study reports without waiting for administration and makes work easier for administrators, lecturers, methodologists, and clients.

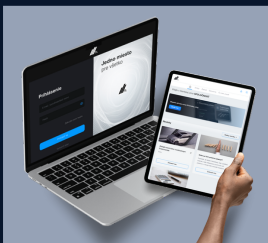




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Case studies

Tatralleasing



Reduced workload, lower hardware requirements, time and cost savings, and **high legal certainty**.

BVS



Digitalized communication, online forms and contracts, electronic signing via infrastructure or API.

Medante



Digital signatures for medical documentation and contracts, **implemented in the existing MEDANTE system**.

The NFQES solution can be implemented and customized for a wide range of processes for businesses in various fields.

Contact:

Schedule a consultation with us



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EU Trusted
List