

Security Engineering

Security is considered the Achilles heel of modern applications. However, this is not true for AdNovum's software solutions, as security is a key issue from the conception and architectural design of every new solution. Security aspects are checked at each step in the implementation process through to the configuration of the system for the production environment.

In this way only it can be ensured that access to sensitive services, data, and information can be reliably restricted to authorized persons and systems without a considerable loss in performance or user comfort for the customer.

High-quality security solutions

At the forefront of technological innovation, AdNovum develops IT systems that proactively and reliably secure sensitive resources across all communication channels. In recognition of the fact that security requirements vary and constantly change, AdNovum offers a broad product and service portfolio. It enables implementation of flexible high-quality solutions that comply with the specific requirements of businesses and institutions, and continuously adjust to emerging threats:

- Identity & access management
- Certificate management
- SAP security
- Data and document encryption
- Data loss prevention

Attacks on business applications have become increasingly targeted and refined. To adequately protect company resources without sacrificing user friendliness is an absolute must, regardless of whether your organization uses its own network, or transfers data over the internet via PC or mobile devices. AdNovum solutions protect confidentiality, authenticity and integrity over the entire spectrum of connected applications, products, network channels and nodes (end-to-end security) by deploying:

- Secure reverse proxy / Web Application Firewall (WAF)
- Adaptive security components
- Authentication and authorization service
- Transaction signatures/confirmation

Highlights

Customer advantages

- Security services from one source:
Consulting, concepts, development, integration, training
- Comprehensive protection against internal and external threats
- Active monitoring of vulnerabilities and implementation of countermeasures
- Performant, user-friendly high-end security
- Enterprise single sign-on solutions (ESSO)

Fullfillment of stringent compliance requirements

- Confidentiality, authenticity and integrity
- Auditability through logging and analyses of events
- Centrally controlled access with allocation and revocation of rights

Application security engineering

- Embedding of applications into a consistent security infrastructure and architecture
- Role- and dataroom-based authorization
- Security checkpoints and sign offs as integral parts of the development process

End-to-end security

- Strong client and node authentication
- Protected channels
- Hardware security modules (HSM, Smartcard)
- Protection of legacy systems

AdNovum's security framework

- Nevis: High-end identity- & access-management
- SecStack: High-end security for SAP

References:

Finance

- IHAG Privatbank: e-banking (securing and web application)
- PostFinance:
 - securing of E-Finance and Personal Zone (E-Banking)
 - IDM system for internal users
- Segetis: identity and access management for investor relations management portal (IRM portal) aktienbuch.ch
- SIX Group: Web entry service for internal & external services & central user administration
- UBS:
 - integrated finance portal including e-banking (SSO)
 - internal security infrastructure (authentication, authorization, encryption)
 - certificate management system (CMS)
- Wegelin & Co. Privatbankiers: securing of e-Banking (end-to-end)

Government

- Swiss Federal Administration:
 - FOITT/OFCOM: SOA architecture and integration of e-licensing
 - FDJP: central security and information portal (SSO)

Logistics

- Swiss Post: business customer portal "My Post Business" (SSO)
- Swiss Post International: Central extranet portal for foreign branches (SSO)

Telco

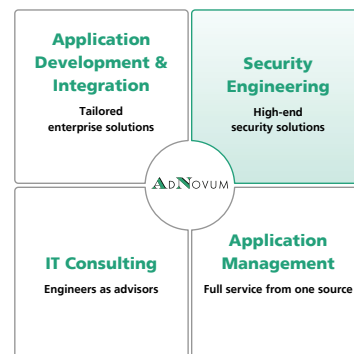
- Swisscom: B2B-Portal „Powergate“ (SSO)

Insurance

- Die Mobiliar: B2B-Broker-Plattform

Security Engineering: an AdNovum core competence

AdNovum's service offering covers four core areas. The four areas seamlessly overlap, mutually drawing on their individual specific strengths. This approach fosters continued innovation, while at the same time ensuring consistent delivery of reliable and appropriate solutions. And it allows AdNovum to assist its customers, enabling them to effectively master today's technical and organizational challenges.



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