

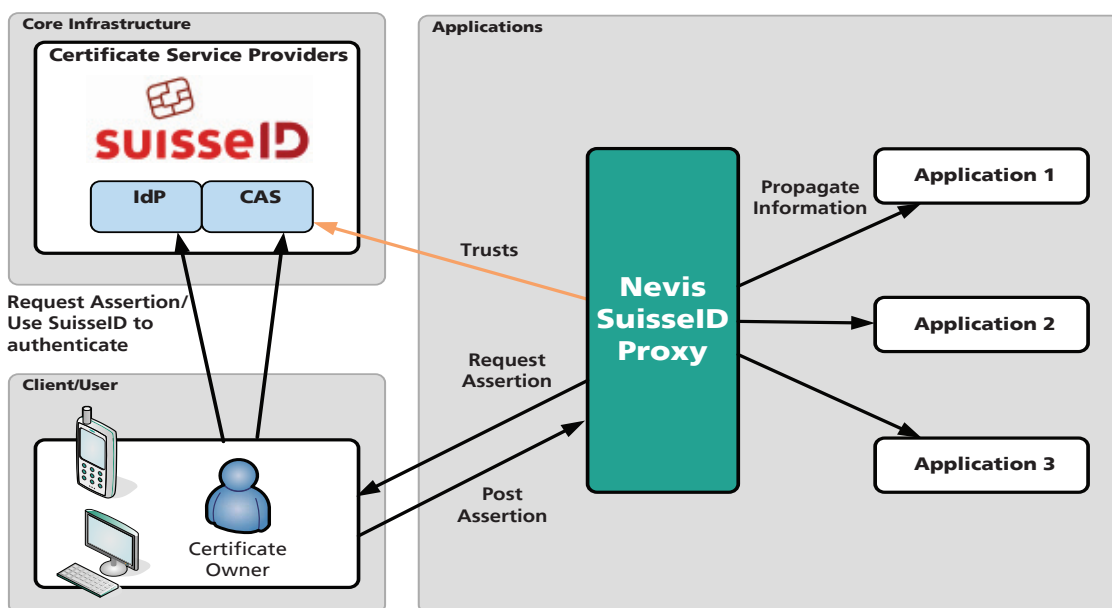
Nevis SuisseID Proxy – Easy to Use and Secure

Starting in May 2010, upon purchase of a SuisseID, users can identify themselves using a standard digital certificate. Furthermore, applications can retrieve confirmed information such as first name, last name, or age from Suisse Identity Provider Services.

AdNovum has introduced the Nevis SuisseID Proxy, a Nevis distribution specifically tailored to facilitate SuisseID integration. The Nevis SuisseID Proxy delivers applications from SuisseID protocol handling and thereby enables fast, flexible, and affordable SuisseID integration without requiring any modification of existing applications.

To be able to use SuisseID, a certificate-based notification and part of the SAML 2.0 protocol has to be implemented individually for every application. The Nevis SuisseID Proxy takes care of this burdensome task and thereby enables off-the-shelf SuisseID integration.

Integrated applications receive all required user information on diverse standard mechanisms directly from the Nevis SuisseID Proxy. In addition, through the use of the Nevis Secure Reverse Proxy and Nevis Web Application Firewall functions, the security level is significantly increased.



Functions and tasks

Certificate authentication

The Nevis SuisseID Proxy retrieves the SuisseID IAC certificate from the user, validates it, extracts the required user attributes and forwards it to underlying applications.

SuisseID SAML 2.0 procedures

The Nevis SuisseID Proxy takes care of the entire SAML 2.0 protocol handling required for the retrieval of confirmed user

attributes. The requested attributes can then be forwarded transparently by various standard procedures.

Proven high-end security components

The Nevis SuisseID Proxy offers optimal protection for applications. It is based on the proven Nevis security components: nevisAuth (authentication service) and nevisProxy (Secure Reverse Proxy with integrated WAF – Web Application Firewall).

Highlights

Easy to integrate, can be used off the shelf

- Delivered as a software appliance or virtual appliance for guaranteed immediate usability.
- Pre-installed configuration allows simple and quick integration into the SuisseID system.
- User attributes can be forwarded to applications via diverse standard procedures:
 - HTTP Header
 - HTTP Query String
 - HTTP Basic Auth
 - Dynamic Certificates
 - Security Token & SAML Assertions

Maximum security

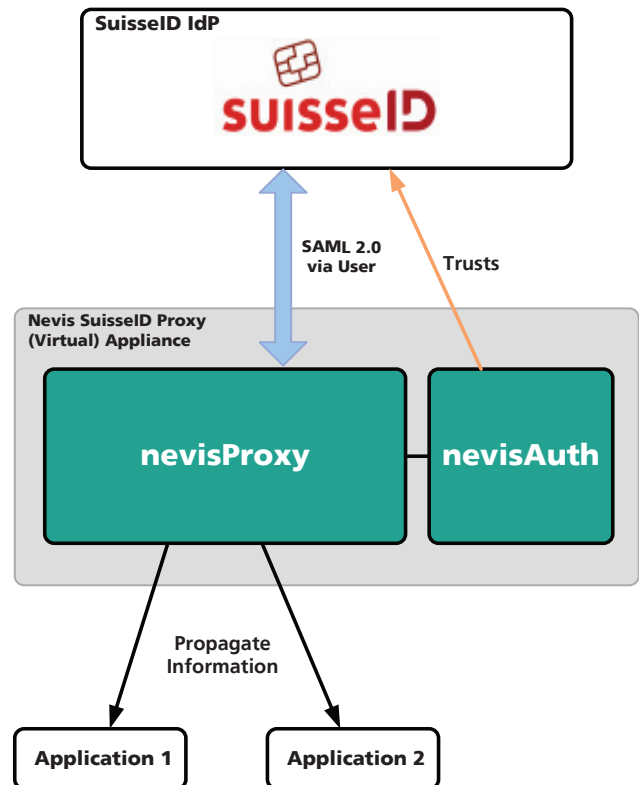
- Secure reverse proxy and web application firewall (WAF) functionality guarantees maximum security

Flexibility

- Per web location:
 - Request any desired user attribute
 - Dynamic request of certificate authentication
- A Nevis SuisseID Proxy can integrate multiple applications

Technical data

- Platforms
 - Software appliance: SuSE Linux Enterprise Server 10, Red Hat Enterprise Linux 5, Sun Solaris 10
 - Virtual appliance: based on VMware images



AdNovum – High-End Software & Security Engineering

Key data

- Established: 1988
- Locations: Zurich (HQ), Bern, Budapest (Hungary), Singapore
- 260 Employees, 70% Engineers

Services

- Application Development & Integration
- Security Engineering
- IT Consulting
- Application Management



AdNovum Informatik AG
Christof Dornbierer, CTO
Roentgenstrasse 22, 8005 Zurich
T +41 44 272 61 11
mailto:info@adnovum.ch, <http://www.adnovum.ch>