

nevisAdmin: Administration and Monitoring Console

nevisAdmin is the central administration and monitoring console of the AdNovum Security Framework. The console provides an overview of the installed Nevis components and supports centralized configuration of components and setups. And it enables real-time monitoring and generation of long-term statistics.

Features and Tasks

Configuration

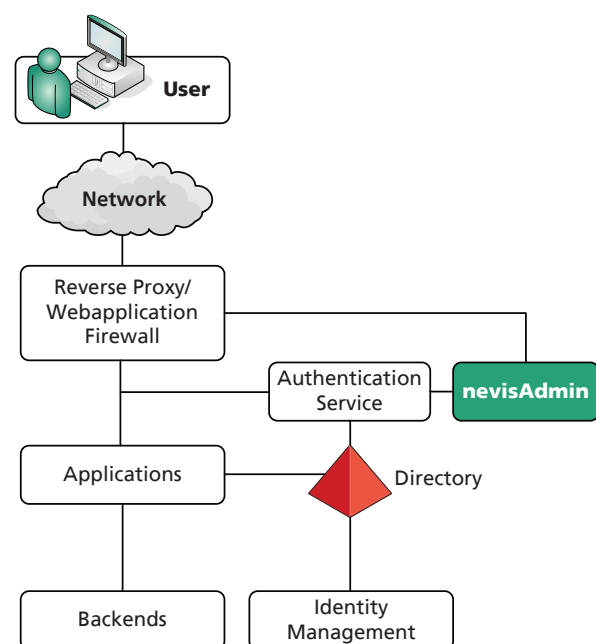
- Centralized administration of Nevis components
- Configuration editing
- Versioned storage of configurations and backups
- Parallel deployment of (parametrizable) configurations on multiple nodes

Administration

- Certificate handling
- Starting/stopping of Nevis services
- Simplified installation and upgrades of Nevis components

Monitoring

- Central logfile viewer
- Detailed real-time monitoring and long-term statistics



Product Highlights

Overview

- Central management of Nevis components provides oversight of the entire service landscape
- Configuration visualization that provides an overview of all integrated backend applications
- Java EE container integration via JMX
- Central logfile viewer enables viewing of logfiles without direct access to individual machines
- Auto discovery of new components to facilitate integration into the console

Openness

- License holders have access to nevisAdmin source code

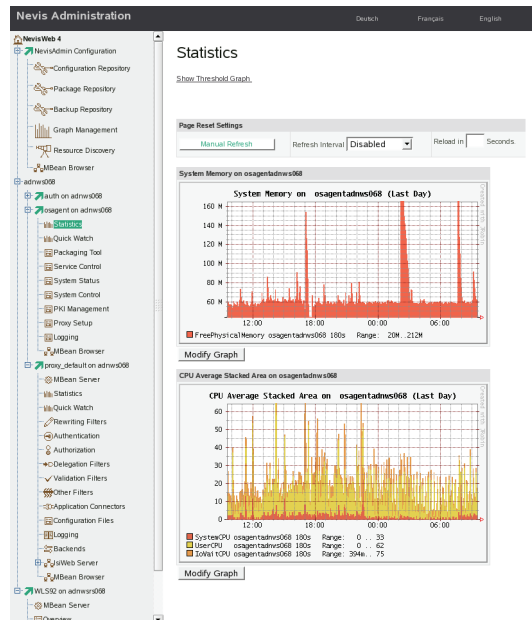
Central configuration management

- Versioned storage of configurations in internal CVS repository for immediate fallback to previous setup
- Configurations can be parametrized for simultaneous deployment on multiple components
 - On deployment of the configuration, placeholders are replaced by instance-specific values
- Active configurations can be saved as backups and can therefore be restored at any time
- Export / import functionality for the adoption of configurations from other environments
- Central overview of configuration and logfiles supports an efficient error diagnosis

Visualization

Monitoring and statistics

- Visualization of component status (up/down)
- Real-time values for the visualization of the current status, long-term statistics show the development of measured values over time (daily, weekly, monthly, yearly)
- Correlation of values across component divisions
- Provides data such as the number of active or parallel sessions that enables an integrated assessment of the status across the entire server population
- Measures data of operating system and tracks machine status (memory, hard disk, network)



Technical Data

- Based on Java 5
 - Java EE container deployment
- Integration of services via JMX
- OS: Solaris and Linux

References

"Die Mobiliar" WES

- Web entry service (WES) with raster-card authentication
- WES was implemented by AdNovum as a nevisBox appliance with nevisProxy, nevisAuth, and nevisAdmin installed on a SUSE Linux Enterprise Server.

DCL Post certificate portal

- URL: <https://postzertifikat.ch>
- nevisBox appliance with nevisProxy, nevisAuth and nevisAdmin
- Strong authentication via Post certificate for access to KRA or ZRA

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