



Your NEVIS Education

Modular.
Flexible.
Stable.
Secure.





NEVIS yoU – YOUR NEVIS EDUCATION

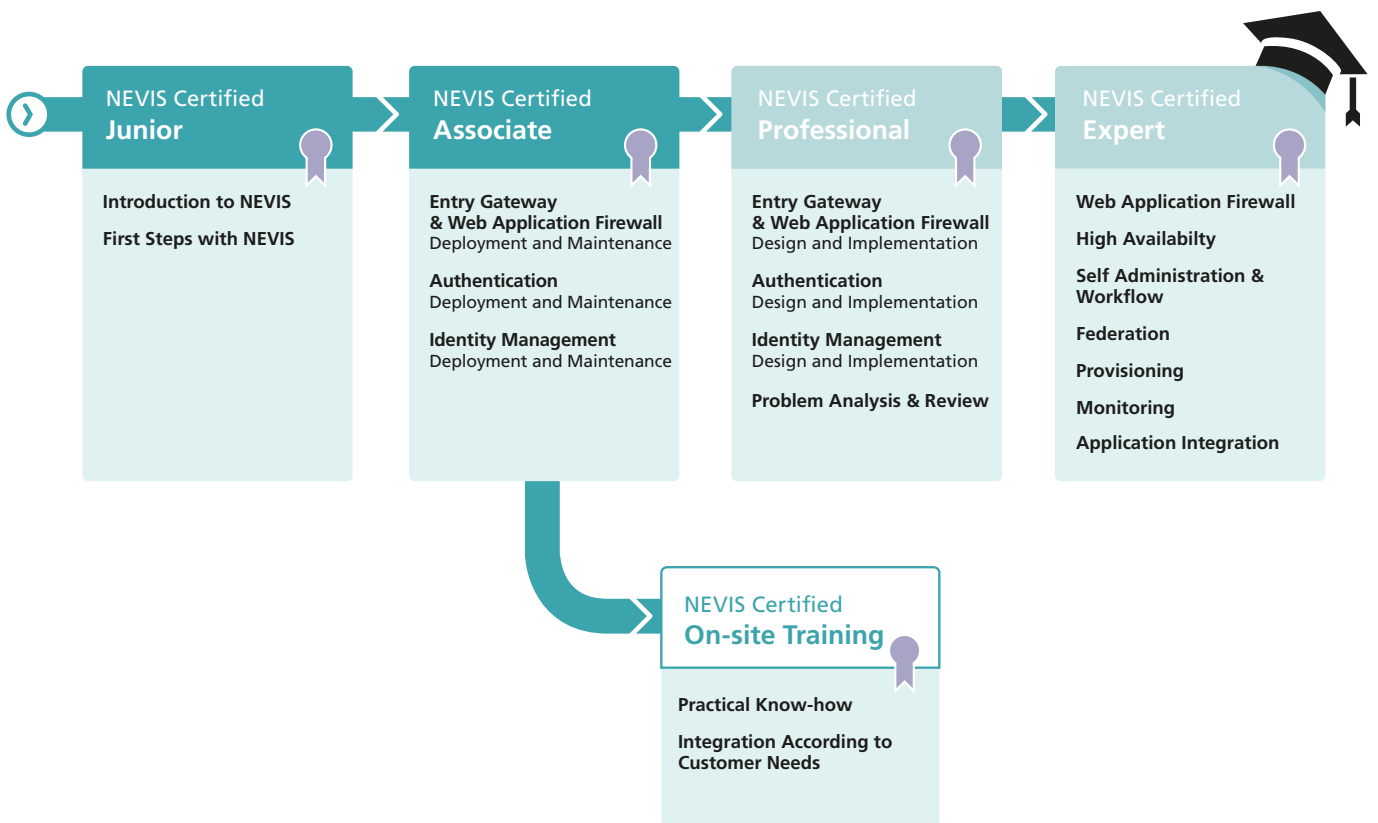
Thanks to its wide range of functions, the NEVIS Security Suite offers various possibilities to protect your web applications and to respond quickly to cyberattacks. In order to make the best use of NEVIS, you need specific know-how and an understanding of how its products are linked to each other. NEVIS yoU supports you in gaining expertise and practical experience with NEVIS.

NEVIS yoU consists of two building blocks: an online certification program consisting of several levels (thereof the levels Junior and Associate are already available) and an on-site training (see Figure 1). Each level is divided into several modules, which participants can complete at their own pace in any place at any time. Each module consists of theoretical parts which are optimally complemented by self-check tests and practical exercises.

In addition to the online certification program, NEVIS yoU offers an on-site training, i.e. a practice-oriented specialization for graduates of the online level Associate.

The NEVIS yoU team is constantly extending the content and adapting it to the latest version of the NEVIS Security Suite. Thus, NEVIS yoU not only facilitates the start-up for beginners, but also offers long-standing NEVIS professionals compelling knowledge and direct practical benefits.

NEVIS yoU CERTIFICATION PROGRAM



Building blocks of the NEVIS yoU Certification Program

(dark green headings = levels and modules already available,
light green headings = levels and modules planned for the future)

NEVIS yoU Target Audience

With the NEVIS yoU Certification Program, different users with varying skills and roles can learn how to use the NEVIS Security Suite. The target audience of NEVIS yoU are all professionals working with NEVIS. In its certification program, NEVIS yoU addresses the different roles and their points of view, including:

- sales representatives
- project managers
- support engineers
- operators and administrator
- engineers and integrators
- architects

For more information about the target audience of a specific module, take a look at the description of the corresponding module.

NEVIS yoU Fees

Fees of the different certification levels and the NEVIS on-site training (as of May 2, 2018):

Junior Level	CHF 980.–	excl. VAT
Associate Level	CHF 1420.–	excl. VAT
NEVIS On-site Training	CHF 3300.–	excl. VAT

Access to the learning content of NEVIS yoU can be ordered online following this link:
https://www.nevis-security.ch/en/news_services/nevis_you_certification.html

Interested in ordering NEVIS yoU for your employees?

Contact us at you@nevis-security.ch and we will send you an offer tailored to your company's needs.

NEVIS Certified Junior

Introduction to NEVIS

Competences	The participants get an overview of the NEVIS Security Suite and its products. They get a first impression of how highly compatible the NEVIS Security Suite is with different technologies and how it offers protection of investment. Additionally, the participants understand the basic distinction between infrastructure and configuration.
Learning Objectives	Participants can ... <ul style="list-style-type: none">• list reasons for using the NEVIS Security Suite and describe common applications.• name current threats to web applications and estimate the magnitude of their impact.• summarize the opportunities and risks resulting from the use of the NEVIS Security Suite and classify the severity of their consequences.• apply their knowledge of the zone concept to fit the products of the NEVIS Security Suite into different zones and describe the interfaces between them.• describe the basic functions of the NEVIS Security Suite and how it is installed, configured, deployed, monitored and used in a productive environment.• look up unfamiliar terms in the NEVIS glossary and describe key terms of the NEVIS terminology their own words.
Prerequisites	Basic knowledge in the areas of networks, proxy servers, authentication, public key infrastructure and identity management
Target Audience	Everyone new to NEVIS
Mode and Duration	Self-paced, about 6 hours, individual start date
Place	Online
Completion	Confirmation of Participation
Follow-up Module	First Steps with NEVIS



First Steps with NEVIS

Competences	Participants deploy the NEVIS Security Suite for the first time on their own. They implement different scenarios in a guided manner and monitor the resulting changes. They know how to use the various information sources that AdNovum provides.
Learning Objectives	Participants can ... <ul style="list-style-type: none">• describe the user interface elements of nevisAdmin with the aid of available online help documents.• start the nevisProxy and compare the access to web applications with and without the use of the NEVIS Security Suite.• add nevisAuth to their existing infrastructure and observe the increased security resulting from the use of the NEVIS Security Suite.• use information found in «Questions and Answers» and the reference guides to solve exercises and identify major milestones on the roadmap.• simulate simple guided attack scenarios and take the appropriate countermeasures.
Prerequisites	Module Introduction to NEVIS completed successfully
Target Audience	People who want to install and start configuring NEVIS
Mode and Duration	Self-paced, about 8 hours, individual start date
Place	Online
Completion	Confirmation of Participation
Follow-up Module	Entry Gateway & Web Application Firewall: Deployment and Maintenance



NEVIS Certified Associate

Entry Gateway & Web Application Firewall: Deployment and Maintenance

Competences	Participants get an overview of the architecture and the functions of nevisProxy. Through practical exercises with the reverse proxy server and the web application firewall (WAF) the participants learn techniques to protect and integrate web applications and learn how to use the respective filters and servlets.
Learning Objectives	Participants can ... <ul style="list-style-type: none">• describe the areas of application of nevisProxy in their own words and derive and apply the appropriate integration and protection measures.• follow the general functionality of the NEVIS reverse proxy server, its properties and tasks by understanding how requests are processed. A special focus lies on filters and the HTTP connector servlet.• distinguish different categories of filters according to their function, and know how to combine filters and assign them in the correct order.• tell which configuration files are generated automatically by nevisAdmin and know the locations and the responsibilities of the different configuration files and can therefore configure nevisProxy.• list the order and function of launched nevisProxy processes with their associated log files and change their settings.• estimate the magnitude of the nevisProxy parameters and limits, and adjust their thresholds.• describe the key material needed by nevisProxy and configure it.• list the «Open Web Application Security Project (OWASP)» top ten, know the magnitude and severity of these threats and can explain the corresponding countermeasures.• understand which WAF rules correspond to which log entries and are able to react appropriately to errors found in the log files (by adjusting the configuration if needed).
Prerequisites	Module First Steps with NEVIS completed successfully
Target Audience	People working with nevisProxy
Mode and Duration	Self-paced, about 7 hours, individual start date
Place	Online
Completion	Confirmation of Participation
Follow-up Module	Authentication: Deployment and Maintenance



Authentication: Deployment and Maintenance

Competences	The participants can sketch the architecture and functionality of nevisAuth and nevisLogRend and gain insight into authentication, authorization and data enrichment with practical exercises.
Learning Objectives	Participants can ... <ul style="list-style-type: none">• describe terms and tasks of the login procedure in their own words and sketch its structure and sequence.• explain the purpose of the configuration files, how they are generated and where the files' content comes from and can therefore configure nevisAuth.• describe the terms «session management», «session store type» and «timeout handling» in connection with nevisAuth in their own words and classify them.• summarize how AuthStates works, including processing and dispatching, and can describe different authentication flows (login, step-up, etc.)• list the order and function of launched nevisAuth processes with the associated log files and change their settings.• estimate the magnitude of nevisAuth parameter limits and adjust their thresholds.• explain the function of nevisLogRend and of the velocity template and deduce how a login page is built.• describe the integration of backends into realms in connection with nevisAuth and explain the terms «identity delegation», «SecToken» and «SAML».• describe the key material needed by nevisAuth and configure it.• name the different nevisAuth facades and deduce which is used when.
Prerequisites	Module Entry Gateway & Web Application Firewall: Deployment and Maintenance completed successfully
Target Audience	People working with nevisAuth
Mode and Duration	Self-paced, about 7 hours, individual start date
Place	Online
Completion	Confirmation of Participation
Follow-up Module	Identity Management: Deployment and Maintenance



NEVIS Certified Associate

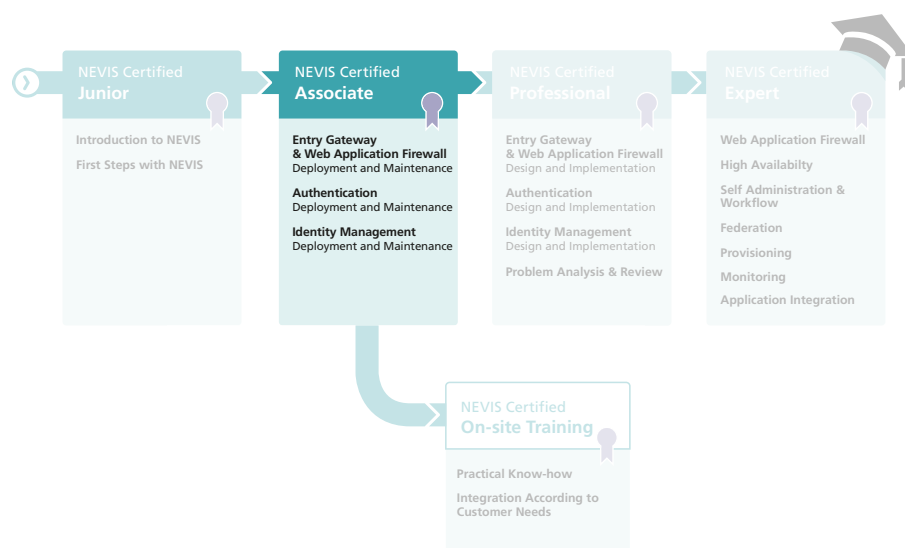
Identity Management: Deployment and Maintenance

Competences	Participants can outline the architecture and functions of nevisIDM and get to know nevisIDM through practical exercises including the following topics: managing identities and permissions, provisioning, data consistency, auditability and compliance, as well as the integration of nevisIDM into business processes.
Learning Objectives	Participants can ... <ul style="list-style-type: none">• explain the core functions and outline the architecture of nevisIDM and nevisDataPorter.• explain the basics of the nevisIDM data model.• tell the location of the different configuration files and know their responsibilities and can therefore configure nevisIDM.• describe the mode of operation and the points of contact between nevisIDM and nevisAuth as well as between nevisIDM and nevisDataPorter.• list the different database backends supported by nevisIDM and point out how to interact with them using MariaDB as an example.• list the nevisIDM processes with their associated log files and change their settings.• install and maintain nevisIDM, including the patching of the data bases.• describe the key material needed by nevisIDM and configure it.
Prerequisites	Module Authentication: Deployment and Maintenance completed successfully
Target Audience	People working with nevisIDM
Mode and Duration	Self-paced, about 5 hours, individual start date
Place	Online
Completion	Confirmation of Participation
Follow-up Module	Troubleshooting: Analyze and Fix Issues



Troubleshooting: Analyze and Fix Issues

Competences	Participants systematically analyze and solve issues encountered in context with their installation of NEVIS. They can independently recognize and solve different bottlenecks, operating errors and misconfigurations within the exercises.
Learning Objectives	Participants can ... <ul style="list-style-type: none">• diagnose the bottleneck/misconfigurations by following a step-by-step protocol working with the exclusion principle and learn how to document their observations step by step in a log book.• explain why different log files are used, and can use these log files for their work to locate relevant information within them.• monitor various parameters of their managed systems, conduct performance analyses and interpret the recovered data.• outline the connections between the NEVIS products and components and their environment and can compose a troubleshooting checklist containing the relevant check points.• provide the relevant information to the third level support and thus contribute to the efficient problem solving process.
Prerequisites	Module Identity Management: Deployment and Maintenance completed successfully
Target Audience	People in charge of NEVIS installations
Mode and Duration	Self-paced, about 9 hours, individual start date
Place	Online
Completion	Confirmation of Participation
Follow-up Module	NEVIS On-site Training



NEVIS Certified On-site Training

NEVIS On-site Training

Competences The participants extend their knowledge and their practical know-how of the NEVIS Security Suite and they learn how to integrate the NEVIS Security Suite according to the customers' needs.

- Learning Objectives** Participants can ...
- utilize NEVIS tools to test the integration of new applications into the NEVIS Security Suite.
 - test and debug application installations.
 - combine nevisProxy filters and AuthStates to fulfill complicated security requirements.
 - model authentication flows in order to implement special authentication requirements (Captcha).
 - increase security by adapting session handling with throttling.
 - transform attributes with regular expressions on both nevisProxy and nevisAuth.
 - integrate backends with JWT tokens.
 - configure security filters to enforce JSON syntax validation.
 - modify login screen templates in order to implement corporate identity requirements.

Prerequisites Module Troubleshooting: Analyze and Fix Issues completed successfully

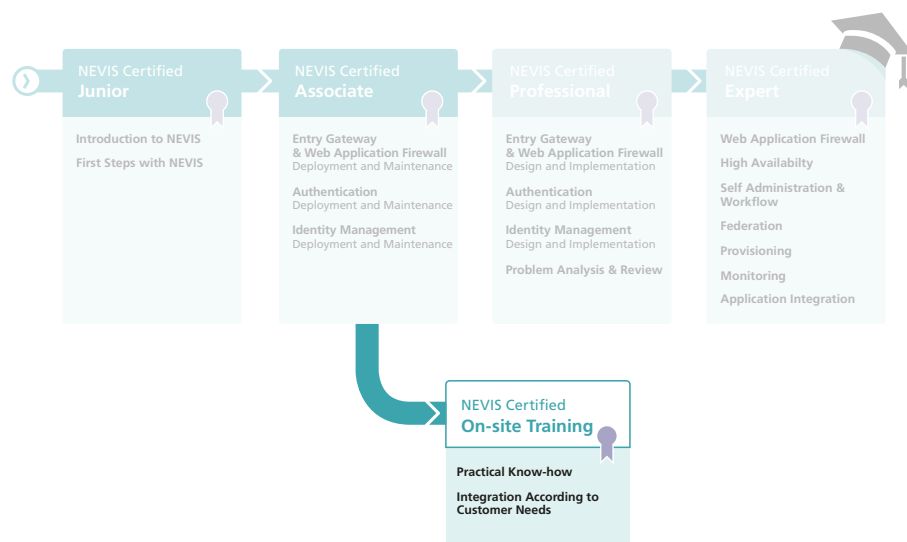
Target Audience People integrating NEVIS

Mode and Duration Two and a half days in groups of two with the support of coaches

Place AdNovum headquarters in Zurich

Completion Certification

Follow-up Module Not available yet



NEVIS On-site Training Dates

NEVIS yoU organizes multiple on-site trainings a year.
In the table below you find the upcoming NEVIS on-site training dates:

Start date	End Date	Target Audience
June 19, 2018	June 21, 2018	AdNovum and Partner
July 10, 2018	July 12, 2018	AdNovum Hungary
September 25, 2018	September 27, 2018	AdNovum and Partner
October 23, 2018	October 25, 2018	NEVIS Clients
November 27, 2018	November 29, 2018	AdNovum and Partner
January 29, 2019	January 31, 2019	AdNovum and Partner
March 12, 2019	March 14, 2019	NEVIS Clients
April 9, 2019	April 11, 2019	AdNovum and Partner

None of the offered dates fits your needs? Would you like to order a NEVIS on-site training for your employees?
Contact us at you@nevis-security.ch, so that we can find a matching time, either at AdNovum's headquarters in Zurich or at your own site. Minimum group size is three people.

NEVIS yoU TEAM



Dr. Barbara Keller

Barbara Keller holds a PhD in Computer Science and a didactics certificate for higher education in computer science. She has been teaching computer science and related topics on different educational levels for 15 years. Barbara Keller is in charge of the concept of NEVIS yoU and designed its certification program. She leads the NEVIS education team, designs the learning strategy, chooses the learning methods, designs the upcoming modules, and writes learning content for NEVIS yoU.



Christoph Steigmeier

Christoph Steigmeier holds a Bachelor of Science ZFH in Computer Science and has been working in IT for 20 years. He has in-depth IT knowledge, especially in the field of security products. He has worked as a network and security engineer, integrator, application manager, solution architect, and an IT security officer. In 2016, he joined the NEVIS yoU team to help set up the NEVIS yoU online and on-site certification program. He designs NEVIS yoU online exercises and on-site training tasks, writes books for NEVIS yoU online modules, and maintains the nevisAppliance for education.



Dr. Pierre Suter

Pierre Suter holds a PhD in chemistry, accomplished post-graduate studies in software engineering and has worked in IT support organizations for several years. For 15 years he has been planning and implementing continuing education courses with a focus on blended learning. He is responsible for the NEVIS yoU learning management portal and managing NEVIS yoU on-site trainings, and writes books for its online modules.





Follow us    

The NEVIS Security Suite is the security solution of the renowned Swiss software company AdNovum. AdNovum offers its customers comprehensive support in the fast and secure digitization of existing business processes and the implementation of new business ideas from consulting and conception to implementation and operation. AdNovum was founded in 1988, has its headquarters in Zurich and offices in Berne, Lausanne, Budapest, Lisbon, Ho Chi Minh City and Singapore. In Germany, NEVIS is represented by NEVIS Security GmbH in Munich.

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