



CERTIFIED VIRTUALIZATION



EXIN CERTIFICATION IN OPENSTACK SOFTWARE

OpenStack is a free and open source operating system for building and managing cloud computing platforms for public and private clouds. It is open source, meaning that anyone can access the source code, make any changes or modifications, and freely share these changes with the community. Some of the biggest companies in software development and hosting, as well as thousands of individual community members have contributed to the development of OpenStack.

As George Washington quoted, “Liberty, when it begins to take root, is a plant of rapid growth”. An important characteristic of OpenStack is the fact that it is open source. This liberty to implement and create own cloud computing and virtualization environments is very attractive to organizations as it enables them to innovate. Furthermore it avoids vendor lock-in which can be risky and expensive.

OPENSTACK SOFTWARE CERTIFICATION PROGRAM

The target group for the Foundation level certificate in OpenStack Software is actually very broad. All IT personnel working in an organization which has adopted OpenStack will need to understand it well; and considering the rapid growth rate of OpenStack and cloud computing, in fact all IT professionals will benefit from a basic OpenStack knowledge. The advanced level certifications then focus upon a specific element of OpenStack.

Certification in OpenStack Software benefits

- Vendor-neutral
- OpenStack technology is fast adopted by a majority of cloud vendors
- Part of EXIN's complete program portfolio

Benefits for companies

- Enables business innovation and can play a key role in establishing competitive advantage
- Open source technology
- Cost Savings as it avoids vendor lock-in
- Knowledge insurance for corporate and SME organizations

Benefits for individuals

- Career opportunities as it confirms competence in the next wave of technology in the field of cloud computing
- International recognition
- Extensive options for further education with EXIN's complete cloud computing program
- Allows candidates to get a wide knowledge of the operational system and not restricted in a certain subject or technology

CERTIFICATION IN OPENSTACK SOFTWARE MODULES



EXIN Foundation Certificate in OpenStack requires knowledge about the fundamental concepts of OpenStack and an understanding of the architecture, design and deployment of OpenStack. The candidate needs to have knowledge of Compute, Storage, Identity management, Networking and Support Services.

e-Competence Level	1	2	3	4	5
B.1. Application Development			□		
B.2. Component Integration		■			
B.4. Solution Deployment		■			
E.8. Information Security Management		■			

■ competence is covered ■ partial coverage □ superficial coverage



The EXIN Specialist Certificate in OpenStack Software Neutron requires understanding and know-how of the architecture, design and deployment of a scalable extensible network within an OpenStack environment. OpenStack Neutron is a cloud networking controller within the OpenStack cloud computing initiative. It focuses on delivering networking as a service.

e-Competence Level	1	2	3	4	5
B.2. Component Integration		■			
B.4. Solution Deployment		■			
B.6. Systems Engineering			■		
C.4. Problem Management			■		
E.8. Information Security Management		■			

■ competence is covered ■ partial coverage □ superficial coverage

CERTIFICATION IN OPENSTACK SOFTWARE PROGRAM LABEL



The program labels of the EXIN portfolio have been built up to help identify the logical next step in terms of additional training and competence development. Each color represents an ICT competence area, derived from the e-Competence Framework (e-CF®). The overall label color indicates the main competence area of the program and the colors in the pie chart indicate the relationships with other competence areas: the

Certification in OpenStack Software competences are mainly covered in the area 'Build'. Related programs cover competences in the area 'Enable'. Please visit the Certification in OpenStack Software program page on exin.com to find out which certification programs are suggested for further development.



This area represents the daily business administration and improvement of all underlying operative ICT processes.



This area represents the strategic preparatory activities such as conceiving and developing products, services and solutions.



The Build area represents the development and implementation of products, services and solutions.



The Run phase represents the provision, support and maintenance of the products, services, and solutions delivered and deployed.



The strategic activities in this area support all underlying ICT processes.

EXIN. THE MOST RENOWNED EXAMINATION INSTITUTE FOR IT PROFESSIONALS



- Complete portfolio of Information Management
- Exams in 165 countries
- Exams in 20 languages
- 2 million EXIN-certified professionals
- International network of accredited partners

ABOUT EXIN

Published and designed by EXIN. EXIN is the global independent certification institute for professionals in the ICT domain. With more than 30 years of experience in certifying the competences of over 2 million ICT professionals, EXIN is the leading and trusted authority in the ICT market. With over 1000 accredited partners EXIN facilitates exams and e-competence assessments in more than 165 countries and 20 languages. EXIN is co-initiator of the e-Competence Framework (e-CF®), which was set up to provide unambiguous ICT certification measurement principles within Europe and beyond.

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