EXIN

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CCC CLOUD COMPUTING
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CERTIFIED FREEDOM

CCC | CLOUD COMPUTING

CLOUD CREDENTIAL COUNCIL

EXIN CCC CLOUD COMPUTING

Get the most out of the cloud
Cloud computing makes ICT cheaper, easier and hassle free. It offers many possibilities in terms of scalability, cost reduction and efficiency. When companies move to the Cloud, there are things to consider such as data- and system security, system management, responsibilities and even legal issues. Although Cloud Computing has firmly established itself, it is still a new technology with many new developments to consider. Furthermore the cloud signifies a major shift in the roles and responsibilities of ICT.

The reality today is that we expect to be able to do business anytime, anywhere - whether we are at the office, at home or on the move. Organizations need to up- or downscale services and operations faster and IT departments or providers need to be able to support these requirements. Cloud Computing is an increasingly important enabler of business innovation.

EXIN CCC CLOUD COMPUTING CERTIFICATION PROGRAM

EXIN CCC Cloud Computing is aimed at professionals in the fields of IT service management, IT solution consultancy, software development, IT administration, provisioning and maintenance. The EXIN CCC Cloud Computing program contains a broad portfolio of certifications, to provide professionals with the required know-how to get the most out of the Cloud.

EXIN CCC Cloud Computing benefits

Cloud Computing offered by EXIN and CCC is vendor-neutral and its knowledges can be used with the major vendors and technologies. Next to that the program is role based and aligned with the best practices of Cloud Computing.

Benefits for companies

- Companies who invest in professionals certified in EXIN CCC Cloud Computing Program will have the assurance that their certified employees have proven skills and knowledge.
- Companies can select the best certification aligned with the professionals' activities, as the program is role based.
- Get into the Cloud and transform to a service oriented organization.

Benefits for individuals

- Being EXIN CCC Cloud Computing certified proves your knowledge in one of the best Cloud programs.
- A world of career opportunities can be opened and explored.
- Companies need Cloud certified professionals to reduce the lack of knowledge and to manage Cloud Computing appropriately.

CLOUD CREDENTIAL COUNCIL

The Cloud Credential Council (CCC) is an international member-based organization mandated to drive cloud readiness through effective competence development. The CCC has established critical cloud certifications for key IT roles in order to cultivate cloud-ready IT professionals. The certification scheme was developed after several years research investment in over 20 roles led by industry experts in conjunction with the leading technology vendors in the cloud computing arena.

EXIN CCC CLOUD COMPUTING MODULES

CCC CLOUD TECHNOLOGY ASSOCIATE

This certification demonstrates that professionals have the basic skill set and knowledge associated with cloud and virtualization. It allows professionals to operate effectively in a Cloud environment, as they understand the key concepts and terminology.

e-Competence Level		1	2	3	4	5
A.5.	Architecture Design			superficial		
B.2.	Component Integration			superficial		
B.4.	Solution Deployment		covered			
C.3.	Service Delivery		superficial			
E.2.	Project and Portfolio Management		superficial			
E.3.	Risk Management			superficial		
E.8	Information Security Management		superficial			

CCC VIRTUALIZATION ESSENTIALS

The module covers the business perspective of virtualization, the technologies for server, data center and workplace virtualization, and operating and governing virtualization.

e-Competence Level		1	2	3	4	5
A.3.	Business Plan Development			superficial		
A.5.	Architecture Design			superficial		
A.6.	Application Design	superficial				
B.2.	Component Integration			superficial		
B.4.	Solution Deployment		partial			
B.6.	Systems Engineering		superficial			
C.3.	Service Delivery		superficial			

CCC PROFESSIONAL CLOUD ADMINISTRATOR

The role and resposibilities of the administrator in Cloud Computing changed over time, as Cloud Computing evolved. In this module people establish the concepts of elasticity and scalability, the complexity of layered cloud environments, identify the capacity management issues and learn about SLA, QoS, OLA for Cloud environments and Metrics.

e-Competence Level		1	2	3	4	5
A.2.	Service Level Management			covered		
A.6.	Application Design			superficial		
B.2.	Component Integration			partial		
B.4.	Solution Deployment			superficial		
C.3.	Service Delivery		partial			
D.4.	Purchasing			superficial		
E.3.	Risk Management			superficial		
E.8.	Information Security Management		covered			

■ competence is covered   ■ partial coverage   ■ superficial coverage

CCC — PROFESSIONAL CLOUD DEVELOPER

This certification addresses the core components of the cloud developer function and necessary skills. The key aspects are concepts of service modularity, orchestration and key Cloud features, Cloud architecture patterns, monetization techniques, security and compliance issues, metadata and semantic, testing and scalable coding.

e-Competence Level		1	2	3	4	5
A.5.	Architecture Design			■		
A.6.	Application Design			■		
B.1.	Application Development			■		
B.3.	Testing		■			
B.4.	Solution Deployment			■		
C.3.	Service Delivery			■		
D.5.	Sales Proposal Development		■			
E.8.	Information Security Management		■			

CCC — PROFESSIONAL CLOUD SECURITY MANAGER

This Professional Cloud level is concerned with applying security and governance best practice to a Cloud environment. It focuses on security governance, threats and challenges, physical security and its impacts, reference models and standards for security in Cloud Computing, risk management, monitoring, legal, contract and IP controls.

e-Competence Level		1	2	3	4	5
D.1.	Information Security Strategy Development				■	
D.8.	Contract Management			■		
E.3.	Risk Management			■		
E.8.	Security Management			■		

CCC — PROFESSIONAL CLOUD SERVICE MANAGER

As Cloud Computing continues to evolve, so does the role of the Professional Cloud Service Manager. This certification addresses service management roles, Cloud service strategy, design, deployment and on-boarding, service economics, service governance, value of the services and service management frameworks.

e-Competence Level		1	2	3	4	5
A.2.	Service Level Management			■		
A.3.	Business Plan Development				■	
A.4.	Product / Service Planning			■		
C.2.	Change Support			■		
C.3.	Service Delivery		■			
C.4.	Problem Management			■		
D.4.	Purchasing			■		
E.5.	Process Improvement			■		

CCC — PROFESSIONAL CLOUD SOLUTION ARCHITECT

This module aims at exploring some major issues and modern Cloud-enabled systems and services. The key aspects are technology engineering of Cloud Computing, solutions architectures, Cloud service life cycle, service transition and transformation, costumer and provider perspective, Cloud ecosystem and types of Cloud solutions.

e-Competence Level		1	2	3	4	5
A.5.	Architecture Design			■		
A.7.	Technology Trend Monitoring				■	
B.4.	Solution Deployment			■		
B.6.	Systems Engineering			■		
E.7.	Business Change Management			■		

■ competence is covered　　■ partial coverage　　■ superficial coverage

EXIN CCC CLOUD COMPUTING RELATED PROGRAMS

The colors in the program label pie chart indicate the e-Competence Framework areas which are related to EXIN CCC Cloud Computing. You might also be interested in the below programs, which have competence links with EXIN CCC Cloud Computing.

EXIN EPI® DATA CENTRE MANAGEMENT

Cloud Computing providers will need to support hundreds of thousands of users and ensure that services are fast, secure, and available. In order to accomplish this goal, they need a dynamic, intelligent infrastructure.

EXIN GREEN IT

Cloud infrastructure can address two critical elements of a Green IT approach: energy efficiency and resource efficiency.

EXIN BUSINESS CONTINUITY MANAGEMENT

EXIN ITAMOrg IT ASSET MANAGEMENT

The Cloud can be a powerful platform for a continuity and disaster recovery strategy as it is often more resilient than in-house solutions.

Lack of control over Cloud assets is a concern of many businesses considering Cloud solutions. The ITAMOrg approach to IT Asset Management includes specifically the management of Cloud and Service assets.

EXIN CERTIFICATION IN OPENSTACK SOFTWARE

Professionals involved in administering the Cloud will benefit from knowledge of OpenStack, a EXIN Cloud operating system that can give administrators control while providing resources to users.

EXIN IT SERVICE MANAGEMENT ISO IEC 20000

AXELOS ITIL®

The core elements of Cloud Service Management mirror those of traditional ITSM – e.g. cloud service-level agreement (SLA) management and cloud capacity management. ITSM principles can be applied to administrate a cloud delivery environment in a systemic way.

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- 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, which was set up to provide unambiguous ICT certification measurement principles within Europe and beyond.

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