



Fee

99,00 €

Final exam only

Course technical sheet

Cloud Computing – Cloud Architectures and Development on AWS/Azure

Course code

CLOUD_ARCH_LA

Test duration

60 min

Passing score

70%

Issued

27/05/2026

Executive summary

The course "Cloud Computing – Cloud Architectures and Development on AWS/Azure" provides an in-depth overview of major cloud architectures and the most widely used development technologies on AWS and Microsoft Azure platforms. Through modules combining theory and practical exercises, participants gain fundamental knowledge of the ISO/IEC 17788 and 17789 standards related to cloud computing, as well as design best practices based on the Well-Architected frameworks from AWS and Azure. Core cloud security topics are covered, including advanced identity and access management (IAM), network security, event logging, and encryption. The course also introduces DevOps methodologies, CI-CD pipelines, and containerization using Docker and Kubernetes, key elements for developing and managing cloud-native applications effectively. The curriculum is designed to provide hands-on and applicable knowledge aimed at IT professionals seeking to update or deepen their cloud computing skills, focusing on widely adopted tools and technologies in today's market.

Certification process

- Registration or login to the Academy platform.
- Completion of the final course examination only. Any training or preparation may be completed externally or through other channels.
- The test questions refer to the objectives, skills and topics described in this technical sheet.
- Assessment of the result, possible validation and certificate issuance according to the rules applicable to the course.

Important note

On Academy, candidates take only the final course examination. Any training or preparation activity may be delivered externally or through other channels. The test questions refer to the topics described in this technical sheet and in the course syllabus summary.

Syllabus summary

ISO/IEC 17788 (Cloud computing – overview and vocabulary) + ISO/IEC 17789 (Cloud computing – reference architecture) + CSA Cloud Controls Matrix (CCM) + Well-Architected best practices (AWS/Azure) + cloud security (IAM, network security, logging, encryption) + DevOps/CI-CD and containerization (Docker/Kubernetes)

Learning Objectives

- Understand main cloud architectures and reference models.
- Develop solutions on AWS and Azure platforms.

Certification Bodies Management systems

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Cloud Computing – Cloud Architectures and Development on AWS/Azure

- Apply cloud security best practices and IAM management.
- Integrate DevOps, CI-CD, and containerization techniques.

Acquired Skills

- Knowledge of ISO/IEC 17788 and 17789 standards.
- Design adhering to AWS/Azure Well-Architected frameworks.
- Implementation of advanced security policies.
- Use of Docker and Kubernetes in cloud environments.

Target Audience

IT professionals, developers, and cloud architects seeking to deepen their technical skills.

Prerequisites

Basic knowledge of computer networks and programming.

Program

- Introduction and ISO/IEC 17788 and 17789 standards
- Cloud architectures and service models
- AWS and Azure Well-Architected best practices
- Cloud security: IAM, network security, logging, encryption
- DevOps, CI-CD, and containerization with Docker and Kubernetes

Teaching Methodology

Lectures combined with practical examples and case studies.

Evaluation Method

Final test with a passing score of 70%.

Duration

60 minutes.

Certification

Certificate of attendance awarded upon passing the exam.

Expected Outcomes

Ability to design and develop secure and scalable cloud solutions on AWS and Azure.