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Register

Cloud Technology Associate Training and Certification

ALL-IN-ONE: EXAM INCLUDED IN THE PRICE

3 days (21 hours)

Overview

This certification enables IT professionals to operate effectively in a cloud environment by demonstrating an understanding of key concepts and relevant terminology. In addition, it provides the foundation necessary to successfully complete subsequent technical training/certification programs.

Objectives

- Identify the concepts of Cloud Computing and Virtualization
- Evaluate different types of cloud and associated technologies
- Understand the added value of the cloud for business and IT
- Define security requirements, risks, and risk mitigation measures
- Specify the impacts of the cloud on IT governance and better manage the transition

Target audience

Chief Information Officers (CIOs), Chief Digital Officers (CDOs), architects, project managers, development engineers, network administrators, maintenance staff, managers, technical experts, consultants, and operations staff

Prerequisites

No prerequisites, but it is desirable to have six months of internet/web experience and basic knowledge of archiving, servers, and network technologies.

Cloud Technology Certification Training Program

Associate

Introduction

- The fundamental concepts of cloud computing and virtualization
- Key technical challenges
- Characteristics of cloud applications

Introduction to the Cloud Service Model

- Definition of cloud computing according to ISO, Gartner, and NIST
- Developments in the cloud
- Key characteristics of cloud service and deployment models
- NIST Cloud Taxonomy
- Added value of the cloud for business and IT compared to traditional models
- Advantages and limitations of cloud computing

Introduction to virtualization: Backbone technology of the cloud

- Definition of virtualization
- Advantages, risks, and relevance of virtualization
- Hypervisor
 - Its Role
 - Different Types
 - The main manufacturers and service providers that use them
- Different types of virtualization
 - Server
 - Storage
 - Network
 - Desktop

Overview of cloud technologies and applications

- Bring Your Own Device (BYOD): concepts, advantages, and limitations
- Mobile Device Management (MDM) and Enterprise Mobility Management (EMM).
- Network Function Virtualization (NFV) and its relationship with Software-Defined Networking (SDN)
- Big Data, Big Data analytics frameworks, Big Data databases and storage
- The Internet of Things (IoT), basic principles and concepts.

Cloud security, risks, compliance, and governance

- Definition of security, risks, and risk management
- Compliance and audits
- Impacts of the essential characteristics of cloud service and deployment models on IT governance and business lines
- Main attack vectors and mitigation measures

Cloud implementation

- Key implementation steps
- Architectures and deployment solutions.
- Roles of service providers.
- Different approaches to application migration.

Cloud Service Management (CSM)

- The principles of cloud service management
- Life cycle, stakeholders, business support
- Configuration, portability, and interoperability of CSM
- CSM products

Preparation for the Cloud Technology Associate (CTA) exam Taking

the Cloud Technology Associate (CTA) exam

Companies involved

This training is aimed at both individuals and companies, large or small, wishing to train their teams in new advanced IT technology or to acquire specific professional knowledge or modern methods.

Placement at the start of training

The placement test at the start of the training course complies with Qualiopi quality criteria. Once they have finalized their registration, learners receive a self-assessment questionnaire that allows us to assess their estimated level of proficiency in different types of technologies, as well as their expectations and personal objectives for the upcoming training course, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could be problematic for the monitoring and smooth running of the training session.

Teaching methods

Practical training: 60% practical, 40% theory. Training materials distributed in digital format

to all participants.

Organization

The course alternates between theoretical input from the trainer, supported by examples and discussion sessions, and group work.

Assessment

At the end of the session, a multiple-choice questionnaire is used to verify that the skills have been correctly acquired.

Certification

A certificate will be issued to each trainee who has completed the entire training course.