



Cloud Technology Associate (CCC-CTA)

- **Formato do curso:** Presencial
- **Com certificação:** CCC Cloud Technology Associate Certification (CCC-CTA)
- **Preço:** 1090€
- **Nível:** Iniciado
- **Duração:** 21 horas

Cloud Computing não é apenas uma tecnologia mas também um novo modelo de organização, contratação e entrega de soluções de Tecnologias de Informação. Este modelo apresenta enorme potencial mas também novos riscos.

O curso **Cloud Technology Associate (CCC-CTA)** inicia com conceitos de cloud computing e virtualização, mostrando benefícios e aplicações. É apresentada a tecnologia mas de de uma forma neutra em relação a fabricantes.

Os participantes irão obter conhecimentos de uma forma prática através de exercícios incluídos no curso e irão lidar com as tecnologias e aplicações de Cloud mais atuais. Serão abordados os risco apontados ao cloud computing assim como as formas de os contornar.

Na parte final do curso é explicada a forma de fazer escolhas no processo de adoção da cloud e é detalhada toda a gestão de serviços em Cloud.

Pré-requisitos

Recomenda-se que os participantes tenham:

- pelo menos 6 meses de experiência com tecnologias Internet/Web;
- Algum conhecimento básico de storage e tecnologias de rede.

Objectivos

No final da ação de formação os participantes deverão estar aptos a:

- Identify the fundamental concepts of cloud computing and virtualization including business benefits of cloud computing and technical aspects (high-level) of virtualization.
- Identify the technical challenges and the mitigation measures involved in cloud computing and virtualization.
- Identify the characteristics of cloud applications.

- Identify the steps to successfully adopt cloud services.
 - Understand cloud security and identify the risks involved in cloud computing as well as the risk mitigation measures.
 - Understand the factors involved for implementation of different cloud models.
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Programa

Introduction to the Cloud Business Model

- Review Traditional Computing Challenges and Concerns
- Cloud Computing Concept, History, and Definitions
- Cloud Computing Benefits and Challenges, Best and Least Suited Application Profiles and APIs
- Cloud Reference Architecture and Common Terminologies

Introduction to Virtualization - the Backbone Technology of Cloud Computing

- Virtualization: Definition, Concepts, History, and Relationship to Cloud Computing
- Virtualization: Benefits, Challenges, Risks, and Suitability to Organizations
- Hypervisor: Role and Purpose in Virtualization and the Various Hypervisor Types
- Virtualization: Terminologies and the different Types of Virtualization

Overview of Cloud Technologies and Applications

- Bring Your Own Device (BYOD) and MDM + EMM
- Software Defined Networking (SDN)
- Network Functions Virtualization (NFV)
- Big Data, Analytics, NoSQL, NewSQL, HTML5

Cloud Security, Risk and Governance

- Risk and Governance Definitions
- Impact of Cloud Essential Characteristics
- Impact of Cloud Service Models
- Impact of Cloud Deployment Models
- Risk Management and Governance

Preparing for Cloud Adoption

- Cloud Strategy and Roadmap Preparation
- Solution Architectures: For Various Services, Deployment Models, and Organizational Capabilities
- Cloud Service Provider, SLA, and Cloud Migration
- Cloud Governance and Risk

Cloud Service Management

- Cloud Service Management (CSM) Overview: Definition, Architecture, Lifecycle, Actors
- CSM: Business Support

- CSM: Provisioning/Configuration
- CSM: Portability/Interoperability

Exam Preparation Guide