



Cloud Essentials

Learn how to successfully adopt cloud computing into your business and pass the Cloud Essentials Professional exam.

In this course, you will address the business and technical perspectives of cloud computing. You will learn how to adopt, operate, and govern the cloud. This course helps you to successfully complete the associated CompTIA Cloud Essentials exam to become CompTIA Cloud Essentials certified.

Through scenario-driven learning, you will learn to apply the principles in a realistic setting. Role-play activities present a real-world connection using situations that can occur in your day-to-day life.

The course materials are accredited by the Cloud Credential Council, marked as CompTIA approved quality content and registered with the Project Management Institute.

The web-based certification exam will be offered on the last day of class.

What You'll Learn

- Common terms and definitions of cloud computing
- Business benefits and considerations of cloud computing
- Cloud computing from a technical perspective and the various techniques, methods, challenges, and types of clouds
- Impact and changes of cloud computing on IT service management
- Steps that lead to the successful adoption of cloud computing and the implications for organizations
- Compliance, risk, and regulatory consequences of cloud computing and its financial and strategic impact

Who Needs to Attend

- IT management, support staff, and consultants
- Business managers and analysts
- Small and mid-sized business owners
- Specialists (IT, security, infrastructure, services, systems, and test)
- Business process owners
- IT developers
- Service providers
- System integrators
- Architects

Prerequisites

Experience in the IT domain

Follow-On Courses

- [Virtualization Essentials](#)

Certification Programs and Certificate Tracks

This course is part of the following programs or tracks:

- [CompTIA Cloud Essentials](#)
- [Professional Cloud Administrator](#)
- [Professional Cloud Developer](#)
- [Professional Cloud Security Manager](#)
- [Professional Cloud Service Manager](#)
- [Professional Cloud Solutions Architect](#)

Course Outline

1. Introduction

2. Cloud Services from a Business Perspective

- Common terms and definitions of cloud computing
- Relationship between cloud computing and virtualization
- Early examples of cloud computing
- Common definitions of cloud computing and their commonalities/differences
- Types of organizations that may and may not benefit from cloud computing
- Different types of clouds, including XaaS, IaaS, and PaaS

3. Cloud Computing and Business Value

- Comparing cloud computing and outsourcing
- Characteristics of clouds and cloud services from a business perspective:
 - Scalability
 - Security
 - Hardware independence
 - Variable costs
 - Time to market
 - Distribution over the Internet
- How the characteristics of cloud computing enhance business value

4. Technical Perspectives and Cloud Types

- Differences between private and public types of clouds from a technical perspective
- Important techniques and methods for cloud computing deployment:
 - Networking
 - Automation and self service
 - Federation
 - The role of standardization
- Technical challenges and risks for cloud computing and methods to mitigate them for:
 - Cloud storage
 - Application performance
 - Data integration
 - Security
- The impact of cloud computing on application architecture and the application-development process

5. Successful Cloud Adoption

- Typical steps that lead to a successful adoption of cloud computing services:
 - Understand selection criteria for a pilot
 - Relate SaaS, PaaS, IaaS deployment to organizational goals
- Roles and capabilities of cloud computing vendors and dependencies on the vendors
- Organizational capabilities that are relevant for realizing cloud benefits:
 - Skills that are required in an organization adopting cloud computing
 - Critical success factors
- Multiple approaches for migrating applications

6. Cloud Computing and IT Service Management - Impact and Changes

- Impact and changes cloud computing on IT service management in a typical organization:
 - Service strategy
 - Service design
 - Service operation
 - Service transition
- Structured approach based on ITIL to explore the potential impact of cloud computing in your organization

7. Cloud Computing Risks and Consequences

- Issues associated with integrating cloud computing into an organization's existing compliance risk and regulatory framework:
 - Security, legal, compliance, and privacy risks
 - Implications for direct cost and cost allocations
 - How to maintain strategic flexibility

Further Information:

For More information, or to book your course, please Call/Email us on - +254 713 027 191

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