

5 Days

CompTIA Cloud Essentials

The CompTIA Cloud Essentials is a specialty course by CompTIA that helps individuals to Understand the basics of cloud computing. With the widening scope of business and increasing capabilities, more and more corporates are moving to manage work through cloud computing models of business.

Cloud Computing has become an essential part of every organization in organizing work and exchanging information. Therefore, companies are hiring professionals who have the technical know-how of cloud computing and can provide healthy aids in managing a cloud infrastructure.

This certification course provides a fundamental approach to aspirants who want to learn to configure and manage cloud infrastructure. 8 hours of lecture mixed with hands-on experience will equip candidates with the fundamentals of cloud computing.

This training prepares an individual for the exam CLO-001 that will gain credentials of CompTIA Cloud Essentials.

Course Details

Course Outline

1.0 Characteristics of Cloud Services from a Business Perspective

- 1.1 Understanding of common terms and definitions of cloud computing with examples.
- 1.2 Describing the relationship between cloud computing and virtualization.
- 1.3 Define cloud computing examples.
- 1.4 Understanding of several common definitions of cloud computing and their commonalities/differences.
- 1.5 Recognize what types organizations might or might not benefit from cloud computing.
- 1.6 Differentiate between the different types of clouds.

2.0 Cloud Computing and Business Value

- 2.1 Recognize the similarities and differences between cloud computing and outsourcing.

- 2.2 Understand the following characteristics of clouds and cloud services:
 - Scalability
 - Security
 - Hardware independence
 - Variable costs
 - Time to market
 - Distribution over the Internet
- 2.3 Demonstrate how the characteristics of cloud computing enhance business value.

3.0 Technical Perspectives/Cloud Types

- 3.1 Understand the difference between private and public types of clouds.
- 3.2 Understand the following important techniques and methods for cloud computing deployment:
 - Networking
 - Automation and Self-Service
 - Federation
 - The role of standardization
- 3.3 Explain the technical challenges and risks for cloud computing and methods to mitigate them for:
 - Cloud storage
 - Application performance
 - Data integration
 - Security
- 3.4 Describe the impact of cloud computing on application architecture.

4.0 Steps to Successful Adoption of Cloud

- 4.1 Explain typical steps that lead to a successful adoption of cloud computing services:
 - Understanding selection criteria for a pilot
 - Relate SaaS, PaaS, IaaS deployment to organizational goals
- 4.2 Understand the roles and capabilities of cloud computing vendors and dependencies on the vendors.
- 4.3 Understand the following organizational capabilities that are relevant for realizing cloud benefits:
 - Skills that are required in an organization adopting cloud computing
 - Critical success factors
- 4.4 Describe multiple approaches for migrating applications

5.0 Impact and Changes of Cloud Computing on IT Service Management

- 5.1 Understand the impact and changes cloud computing on IT service management in a typical organization:
 - Service Strategy
 - Service Design
 - Service Operation
 - Service Transition
- 5.2 Use a structured approach based on ITIL to explore the potential impact of cloud computing in your organization.

6.0 Risks and Consequences of Cloud Computing

- 6.1 Explain and identify the issues associated with integrating cloud computing into an organization's existing compliance risk and regulatory framework:
 - Security Legal, Compliance, Privacy risks

- 6.2 Explain the implications for direct cost and cost allocations.
- 6.3 Understand how to maintain strategic flexibility

Who Should Attend

The Cloud Essentials Certification Training is ideal for:

- IT students interested in cloud computing
- Employees interested in the business aspects of the IT infrastructure
- Company executives who have to make financial or IT business decisions
- IT staff and freelancers who want to gain an Understanding of cloud computing

Pre Requisite

Minimum six months working experience in an environment that markets or relies on IT-related services

Exams

CompTIA Cloud Essentials [CLO-001]

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