

CompTIA Cloud Essentials+ Certification

Overview

CompTIA Cloud Essentials+ validates the candidate has the knowledge and skills required to make clear and conscious decisions about cloud technologies and their business impact by evaluating business use cases, financial impacts, cloud technologies and deployment models with knowledge of cloud computing.

Prerequisite Comments

CompTIA recommends that a candidate have at least six months of experience in an IT environment, with direct involvement in IT-related tasks, responsibilities and/or decision-making.

Target Audience

Sales and Marketing Staff in cloud product or service management
Business Analysts
Business Process Owners
Managed Service Provider Personnel
New Data Center Staff
Technical Support Staff

Course Objectives

Cloud Concepts

Explain cloud principles, identify cloud networking concepts and storage techniques, and understand cloud design aspects.

Configurations & Deployment

Business Principles of Cloud Environments

Identify and employ appropriate cloud assessments like feasibility studies, bench-marking, or gap analysis, highlight key business aspects of cloud vendor relation adoption, and comprehend cloud migration approaches.

Maintenance

Management and Technical Operations

Explain aspects of operating within the cloud, such as data management or optimization and understand the role of DevOps in cloud environments, like API integration or provisioning.

Troubleshooting

Governance, Risk, Compliance and Security for the Cloud

Understand risk management and response concepts related to cloud services and identify the importance and impacts of compliance in the cloud, such as regulatory concerns or international standards.

Course Outline

1 - Introduction to Cloud Computing

Overview of Cloud Computing
Evolution of the Cloud
Specialized Cloud Services

2 - Business Value of Cloud Computing

Business Need for Cloud Computing
Cloud Scalability
Cloud Security
Impact of Cloud Computing on Business

3 - Technical Perspectives of Cloud Computing

The Cloud Deployment Models
Network Requirements for Cloud Deployment
Automation and Self-Service in Cloud Computing
Federated Cloud Services
Standardization

4 - Technical Challenges of Cloud Computing

Cloud Storage
Application Performance
Data Integration
Security Risks and Mitigation
Application Architecture and the Development Process

5 - Steps to Successful Adoption of Cloud Services

Steps to Adopting Cloud Services
Organizational Capability to Adopt Cloud Services
Cloud Vendor Roles and Capabilities
Migrating Applications to the Cloud

6 - ITIL and Cloud Computing

Overview of ITIL
Planning Service Strategy
Designing Cloud Service
Transitioning to Live Environment
Running a Cloud Service Operation
Continual Service Improvement with Cloud

7 - Identifying Risks and Consequences

Organizational Risks

Technical Risks

Legal Risks

Cost Evaluation for Cloud Computing

Identify Maintenance Aspects of Strategic Flexibility

Related Courses, Certifications, Exams

- CompTIA Cloud Essentials
 - CLO-001
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