

CompTIA Cloud Essentials Certification

Duration 3 Days

Course Overview

Students will weigh the pros and cons of cloud computing to make effective decisions and meet IT challenges.

Who Should Attend

The CompTIA Cloud Essential Specialty certification is relevant to IT specialists, IT technical services specialists, IT relationship managers, IT architects, consultants, business and IT management, business process owners, and analysts.

Course Objectives

Upon successful completion of this course, students will be able to:

- learn the fundamental concepts of cloud computing.
- learn the business aspects and impact of cloud computing.
- differentiate the types of cloud solutions and the adoption measures needed for each.
- identify the technical challenges and the mitigation measures involved in cloud computing.
- identify the steps to successfully adopt cloud services.
- identify the basic concepts of ITIL and describe how the ITIL framework is useful in

the implementation of cloud computing in an organization.

- identify the possible risks involved in cloud computing and the risk mitigation measures, and you will also identify the potential cost considerations for the implementation of cloud and its strategic benefits.

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

Legal Risks

Cost Evaluation for Cloud Computing

Identify Maintenance Aspects of Strategic Flexibility

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