

CompTIA Cloud Essentials Day



Length: 4 days

Format: Classroom

Time: Day



About This Course

The CompTIA Cloud Essentials specialty certification demonstrates that an individual knows what cloud computing means from a business and technical perspective, as well as what is involved in moving to and governing the cloud. You will weigh pros and cons of cloud computing to make effective decisions and meet IT challenges.

[Click here to find your place on the CompTIA pathway.](#)

Required Exams

Audience Profile

CompTIA Cloud Essential 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

After completing 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.

Outline

Module 1: Introduction to Cloud Computing * Overview of Cloud Computing

- * Evolution of the Cloud
- * Specialized Cloud Services

Module 2: Business Value of Cloud Computing * Business Need for Cloud Computing

- * Cloud Scalability
- * Cloud Security
- * Impact of Cloud Computing on Business

Module 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

Module 4: Technical Challenges of Cloud Computing * Cloud Storage

- * Application Performance
- * Data Integration
- * Security Risks and Mitigation
- * Application Architecture and the Development Process

Module 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

Module 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

Module 7: Identifying Risks and Consequences * Organizational Risks

- * Technical Risks
- * Legal Risks
- * Cost Evaluation for Cloud Computing
- * Identify Maintenance Aspects of Strategic Flexibility

