

## CompTIA Cloud Essential Certification (3 Days)

### 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.

### Outline

#### **Lesson 1:** Introduction to Cloud Computing

- Overview of Cloud Computing
- Evolution of the Cloud
- Specialized Cloud Services

#### **Lesson 2:** Business Value of Cloud Computing

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

#### **Lesson 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

#### **Lesson 4:** Technical Challenges of Cloud Computing

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

#### **Lesson 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

#### **Lesson 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

#### **Lesson 7:** Identifying Risks and Consequences

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