

# CompTIA Cloud+ (CLOUD+)

### ID CLOUD+ Price on request Duration 5 days

#### **Prerequisites**

Before you take this course, we recommend you have the following:

- CompTIA Network+ certification and/or CompTIA Server+ certification, although CompTIA certifications are not required
- At least 24-36 months of work experience in IT networking, network storage or data center administration
- Familiarity with any major hypervisor technologies for server virtualisation, although vendor-specific certifications in virtualisation are not required
- Knowledge of cloud service model (laaS, Paas, Saas) definitions
- Knowledge of common cloud deployment model (private, public, hybrid) definitions
- Hands-on experience with at least one public cloud laaS platform

#### **Course Objectives**

You'll learn how to implement, maintain, and deliver cloud technologies and infrastructures. You'll also understand the aspects of IT security and industry best practices related to cloud implementations and virtualisation:

Configuration and Deployment Security Maintenance Management Troubleshooting

#### **Course Content**

#### **1.0 Configuration and Deplopment**

Given a scenario,

- analyse system requirements to ensure successful system deployment
- execute a provided deployment plan
- analyse system requirements to determine if a given testing plan is appropriate
- analyse testing results to determine if the testing was successful in relation to given system requirements

- analyse sizing, subletting, and basic routing for a provided deployment of the virtual network
- analyse CPU and memory sizing for a provided deployment
- analyse the appropriate storage type and protection capability for a provided deployment
- analyse characteristics of the workload (storage, network, compute) to ensure a successful migration
- apply elements required to extend the infrastructure into a given cloud solution

#### 2.0 Security

Given a scenario,

- apply security configurations and compliance controls to meet given cloud infrastructure requirements
- apply the appropriate ACL to the target objects to meet access requirements according to a security template
- Given a cloud service model, implement defined security technologies to meet given security requirements
- Given a cloud service model, apply the appropriate security automation technique to the target system

#### 3.0 Maintenance

Given a scenario,

- apply the appropriate automation tools to update cloud elements
- apply an appropriate backup or restore method
- apply the appropriate steps to ensure business continuity
- apply the appropriate maintenance automation technique to the target objects
- Given a cloud service model, determine the appropriate methodology to apply given patches

#### 4.0 Management

Given a scenario,

- analyse defined metrics to determine the presence of an abnormality and/or forecast future needed cloud resources
- determine the appropriate allocation of cloud resources
- determine when to provision cloud resources
- implement account provisioning techniques in a cloud environment to meet security and policy requirements

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- analyse deployment results to confirm they meet the baseline
- Given a specific environment and related data (e.g., performance, capacity, trends), apply appropriate changes to meet expected criteria
- Given SLA requirements, determine the appropriate metrics to report

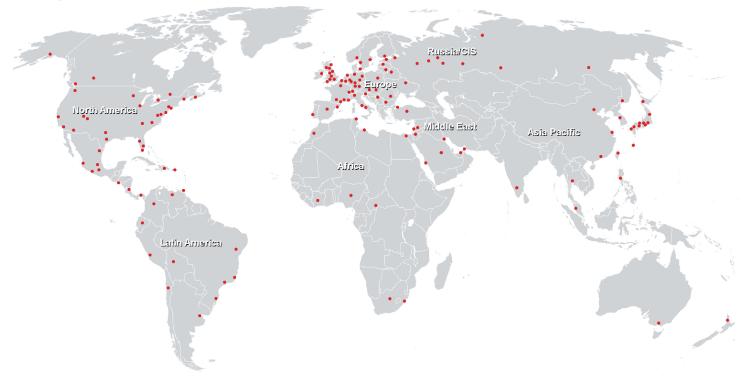
## 5.0 Troubleshooting

Given a scenario,

- troubleshoot a deployment issue
- troubleshoot automation/orchestration issues
- troubleshoot connectivity issues
- troubleshoot security issues
- explain the troubleshooting methodology

## CompTIA Cloud+ (CLOUD+)

## Training Centres worldwide





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