CompTIA Cloud+ (CLOUD+)

ID CLOUD+ **Prix** CHF 2 860,– (Hors Taxe) **Durée** 5 jours

Pré-requis

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 (IaaS, Paas, Saas) definitions
- Knowledge of common cloud deployment model (private, public, hybrid) definitions
- Hands-on experience with at least one public cloud IaaS platform

Objectifs

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

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1.0 Configuration and Deployment

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

- 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

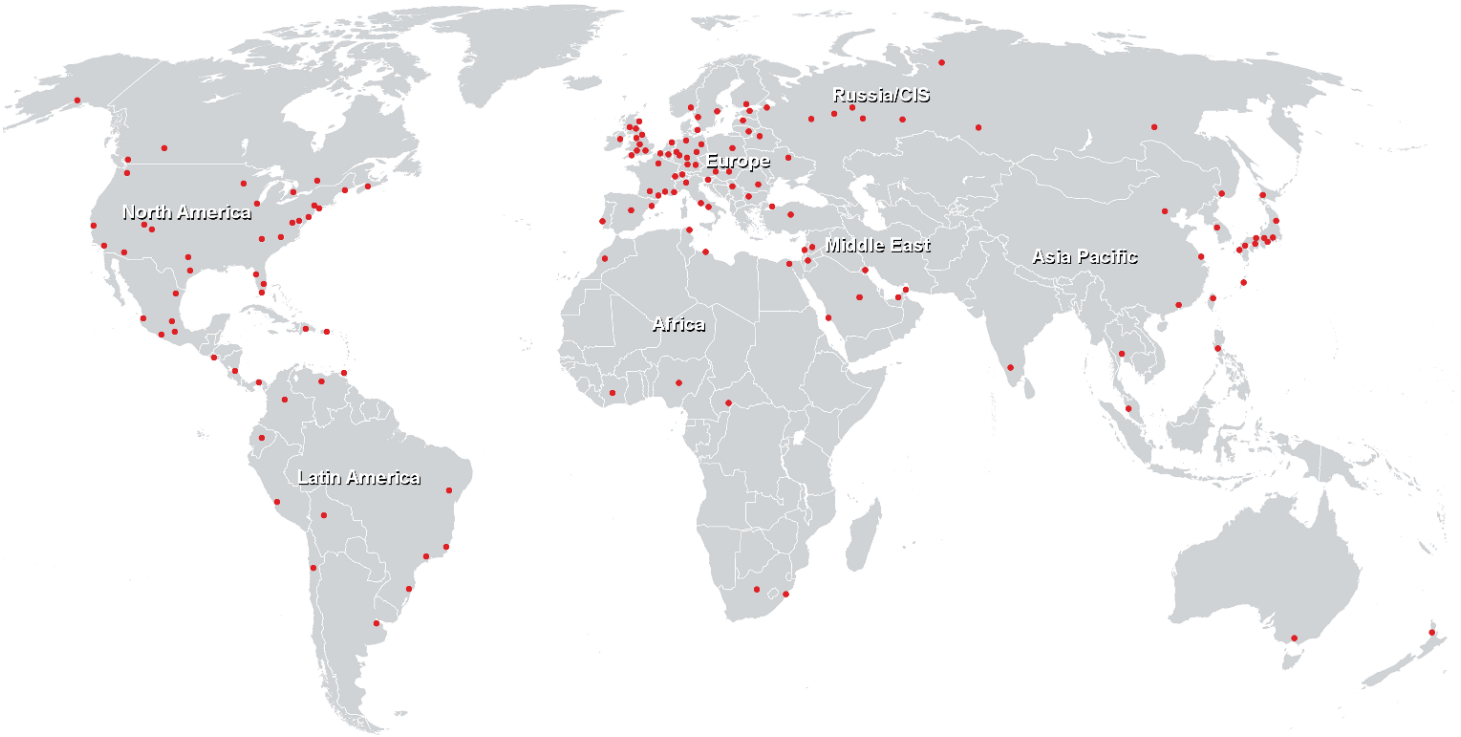
5.0 Troubleshooting

Given a scenario,

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

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