

## **CompTIA Cloud+**

### **1. Configuration and Deployment**

- a. Given a scenario, analyze system requirements to ensure successful system deployment
- b. Given a scenario, execute a provided deployment plan
- c. Given a scenario, analyze system requirements to determine if a given testing plan is appropriate
- d. Given a scenario, analyze testing results to determine if the testing \was successful in relation to given system requirements
- e. Given a scenario, analyze sizing, subnetting, and basic routing for a provided deployment of the virtual network
- f. Given a scenario, analyze CPU and memory sizing for a provided deployment
- g. Given a scenario, analyze the appropriate storage type and protection capability for a provided deployment
- h. Given a scenario, analyze characteristics of the workload(storage, network, compute) to ensure a successful migration
- i. Given a scenario, apply elements required to extend the infrastructure into a given cloud solution

### **2. Security**

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

### **3. Maintenance**

- . Given a cloud service model, determine the appropriate methodology to apply given patches
  - a. Given a scenario, apply the appropriate automation tools to update cloud elements
  - b. Given a scenario, apply an appropriate backup or restore method
  - c. Given a cloud-based scenario, apply appropriate disaster recovery methods
  - d. Given a cloud-based scenario, apply the appropriate steps to ensure business continuity
  - e. Given a scenario, apply the appropriate maintenance automation technique to the target objects

### **4. Management**

- . Given a scenario, analyze defined metrics to determine the presence of an abnormality and/or forecast future needed cloud resources
  - a. Given a scenario, determine the appropriate allocation of cloud resources
  - b. Given a scenario, determine when to provision/deprovision cloud resources
  - c. Given a scenario, implement account provisioning techniques in a cloud environment to meet security and policy requirements
  - d. Given a scenario, analyze deployment results to confirm they meet the baseline

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

## **5. Troubleshooting**

- . Given a scenario, troubleshoot a deployment issue
  - a. Given a scenario, troubleshoot common capacity issues
  - b. Given a scenario, troubleshoot automation/orchestration issues
  - c. Given a scenario, troubleshoot connectivity issues
  - d. Given a scenario, troubleshoot security issues
  - e. Given a scenario, explain the troubleshooting methodology