CompTIA Cloud+ Course Outline

EXAM NUMBER: CV0-003

Cloud Architecture and Design

- Compare and contrast the different types of cloud models.

- Explain the factors that contribute to capacity planning.

- Explain the importance of high availability and scaling in cloud environments.

- Given a scenario, analyze the solution design in support of the business requirements.

Security

- Given a scenario, configure identity and access management.
- Given a scenario, secure a network in a cloud environment.
- Given a scenario, apply the appropriate OS and application security controls.
- Given a scenario, apply data security and compliance controls in cloud environments.
- Given a scenario, implement measures to meet security requirements.
- Explain the importance of incident response procedures.

Deployment

- Given a scenario, integrate components into a cloud solution.

- Given a scenario, provision storage in cloud environments.

- Given a scenario, deploy cloud networking solutions.

- Given a scenario, configure the appropriate compute sizing for a deployment.

- Given a scenario, perform cloud migrations.

Operations and Support

- Given a scenario, configure logging, monitoring, and alerting to maintain operational status.

- Given a scenario, maintain efficient operation of a cloud environment.

- Given a scenario, optimize cloud environments.

- Given a scenario, apply proper automation and orchestration techniques.

- Given a scenario, perform appropriate backup and restore operations.

- Given a scenario, perform disaster recovery tasks.

Troubleshooting

- Given a scenario, use the troubleshooting methodology to resolve cloud-related issues.

- Given a scenario, troubleshoot security issues.

- Given a scenario, troubleshoot deployment issues.

- Given a scenario, troubleshoot connectivity issues.

- Given a scenario, troubleshoot common performance issues.

- Given a scenario, troubleshoot automation or orchestration issues.