

Amazon AWS Certified Advanced Networking Specialty



Course Outline:

Domain 1.0: Design and implement hybrid IT network architectures at scale

- 1.1 Implement connectivity for hybrid IT
- 1.2 Given a scenario, derive an appropriate hybrid IT architecture connectivity solution
- 1.3 Explain the process to extend connectivity using AWS Direct Connect
- 1.4 Evaluate design alternatives that leverage AWS Direct Connect
- 1.5 Define routing policies for hybrid IT architectures

Domain 2.0: Design and implement AWS networks

- 2.1 Apply AWS networking concepts
- 2.2 Given customer requirements, define network architectures on AWS
- 2.3 Propose optimized designs based on the evaluation of an existing implementation
- 2.4 Determine network requirements for a specialized workload

2.5 Derive an appropriate architecture based on customer and application requirements

2.6 Evaluate and optimize cost allocations given a network design and application data flow

Domain 3.0: Automate AWS tasks

3.1 Evaluate automation alternatives within AWS for network deployments

3.2 Evaluate tool-based alternatives within AWS for network operations and management

Domain 4.0: Configure network integration with application services

4.1 Leverage the capabilities of Route 53

4.2 Evaluate DNS solutions in a hybrid IT architecture

4.3 Determine the appropriate configuration of DHCP within AWS

4.4 Given a scenario, determine an appropriate load balancing strategy within the AWS ecosystem

4.5 Determine a content distribution strategy to optimize for performance

4.6 Reconcile AWS service requirements with network requirements

Domain 5.0: Design and implement for security and compliance

5.1 Evaluate design requirements for alignment with security and compliance objectives

5.2 Evaluate monitoring strategies in support of security and compliance objectives

5.3 Evaluate AWS security features for managing network traffic

5.4 Utilize encryption technologies to secure network communications

Domain 6.0: Manage, optimize, and troubleshoot the network

6.1 Given a scenario, troubleshoot and resolve a network issue