

TechyEdz Solutions

A Blended Learning Approach



AWS Advanced Networking Speciality 2

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AWS Certified Advanced Networking – Specialty (ANS-C00)

Course Overview:

The AWS Certified Advanced Networking – Specialty (ANS-C00) examination is intended for individuals who perform complex networking tasks. This examination validates advanced technical skills and experience in designing and implementing AWS and hybrid IT network architectures at scale. AWS Certified Advanced Networking Specialty Training Course is designed as a comprehensive package to suit IT professionals operating in the AWS platform. This course will help you to learn the most recent technologies in AWS. This Online course will let you mastery in AWS advanced networking. Our expert trainers will handle this course with more practical sessions through real-time training throughout this course. At the end of this course, you will be able to acquire more proficiency in AWS networking by pursuing the certification through industry best training practices.

Course Outline:

Design and Implement Hybrid IT Network Architectures at Scale

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

Design and Implement AWS Networks

- Apply AWS networking concepts
- Given customer requirements, define network architectures on AWS
- Propose optimized designs based on the evaluation of an existing

implementation

- Determine network requirements for a specialized workload
- Derive an appropriate architecture based on customer and application requirements
- Evaluate and optimize cost allocations given a network design and application data flow

Automate AWS Tasks

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

Configure Network Integration with Application Services

- Leverage the capabilities of Route 53
- Evaluate DNS solutions in a hybrid IT architecture
- Determine the appropriate configuration of DHCP within AWS
- Given a scenario, determine an appropriate load balancing strategy within the AWS ecosystem
- Determine a content distribution strategy to optimize for performance
- Reconcile AWS service requirements with network requirements

Design and Implement for Security and Compliance

- Evaluate design requirements for alignment with security and compliance objectives
- Evaluate monitoring strategies in support of security and compliance objectives
- Evaluate AWS security features for managing network traffic
- Utilize encryption technologies to secure network communications

Manage, Optimize, and Troubleshoot the Network

- Given a scenario, troubleshoot and resolve a network issue

Prerequisites:

- Advanced networking architectures and interconnectivity options (e.g., IP VPN, MPLS/VPLS)
- Networking technologies within the OSI model, and how they affect implementation decisions
- Development of automation scripts and tools
- Routing architectures (including static and dynamic)
- Multi-region solutions for a global enterprise
- Highly available connectivity solutions (e.g., DX, VPN)
- CIDR and subnetting (IPv4 and IPv6)
- IPv6 transition challenges
- Generic solutions for network security features, including WAF, IDS, IPS, DDoS protection, and Economic Denial of Service/Sustainability (EDoS).

Who Can Attend:

- Professional experience using AWS technology
- AWS Security best practices
- AWS storage options and their underlying consistency models
- AWS networking nuances and how they relate to the integration of AWS services
- Those who are interested in gaining the "AWS Certified Advanced Networking - Specialty" certification.
- Those intending to gain deep insights into networking aspects of AWS

Number of Hours: 40hrs

Certification: AWS Certified Advanced Networking – Specialty (ANS-C00)

Key Features:

- One to One Training
- Online Training
- Fastrack & Normal Track
- Resume Modification
- Mock Interviews
- Video Tutorials
- Materials
- Real Time Projects
- Virtual Live Experience
- Preparing for Certification

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