

### Description

The *AWS Certified Advanced Networking – Specialty* exam validates advanced technical skills and experience designing and implementing AWS and hybrid IT network architectures at scale. As a networking specialist, you will design a secure, scalable, and highly available network infrastructure on AWS while addressing requirements like network security, hybrid IT connectivity, network integration with other AWS services, routing techniques, and network troubleshooting. Attendees with any AWS associate level certification and two or more years of experience in advanced networking on AWS should join this full-day, advanced-level course to learn how to prepare and succeed in the exam.

### Learning Objectives

This course teaches you how to:

- Understand the AWS Certification process and what to expect from the *AWS Certified Advanced Networking – Specialty* exam
- Understand advanced networking concepts in AWS so you can design well-architected networking framework (VPC design) for your workloads
- Understand options for connecting on-premises data centers to AWS VPC (Direct Connect, VPN), enabling AWS to function as an extension of the data center
- Leverage network automation to accelerate workload deployments and app migration
- Incorporate individual application networking requirements that use different AWS services into the overall network design
- Understand network security best practices
- Understand network troubleshooting best practices

### Intended Audience

This course is intended for:

- Data engineers
- Solutions architects
- Network engineers
- Infrastructure engineers

### Prerequisites

We recommend that attendees of this course have the following:

- Two or more years of hands-on experience in maintaining/implementing large scale networks
- Hold a current AWS Certified associate level certification

### Delivery Method

This course is delivered through a mix of:

- Instructor-Led Training (ILT)
- Group discussion
- Sample exercise questions

### Duration

Full day

### Course Outline

This course covers the following concepts:

- Testing Center Information and Expectations
- Exam Overview and Structure

- Content Domains and Question Breakdown
- Topics and Concepts with Content Domains
- Question Structure and Interpretation Techniques
- Practice Exam Questions