

# ANS-C01: AWS Advanced Networking, Part 6 of 9: CDN Billing and Automation

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**Meet the expert:** Zeal works primarily as a Cloud Security Consultant guiding organizations to re-build their infrastructure with security in mind. Zeal also holds more than 13+ certifications ranging from RedHat Certified Architect to AWS Security.

**Prerequisites:** AWS Cloud Practitioner or another Associate level AWS Certification  
Minimum five years hands-on experience architecting and implementing network solutions

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**Course description:** The AWS Certified Advanced Networking - Specialty is intended for individuals who perform complex networking tasks. The user will be able to Design, develop, and deploy cloud-based solutions using AWS as well as maintain Network Architecture across all AWS services.

The exam certification tests on 4 knowledge domains.

Domain 1: Network Design 30%

Domain 2: Network Implementation 26%

Domain 3: Network Management and Operation 20%

Domain 4: Network Security, Compliance, and Governance 24%

This course covers: Transit Gateways, LAG, VPN Prerequisites, Content Delivery Networks, Cloudwatch, Kinesis, Organizations and Resource Access Manager

## Course outline:

### Transit Gateways

- Introduction
- Transit Gateways
- Transit Gateway - Practical
- Transit Gateway Peering
- Transit Gateway Peering Practical
- Summary

### LAG

- Introduction
- LAG
- BFD
- VLANS
- VLAN Tagging
- Q-in-Q Tunnelling
- Summary

### AWS VPN Prerequisites

- Introduction
- Pre-Requisite for AWS VPN
- HA for EC2 VPN
- Troubleshoot VPN Instability Issue
- Placement Groups
- Summary

### Introduction to CDN

- Introduction
- Intro to CDN

- Demo - CloudFront
- CloudFront Practical
- CloudFront OAI
- Summary

### CloudFront Signed URLs

- Introduction
- CloudFront Signed URLs
- Field Level Encryption CloudFront
- Summary

### Unified CloudWatch Agent

- Introduction
- Unified CloudWatch Agent
- Unified CloudWatch Agent - Practical
- Summary

### Amazon Kinesis

- Introduction
- Amazon Kinesis
- Amazon Kinesis services
- Summary

### DX Billing

- Introduction
- DX Billing
- Data Transfer Charge
- ELB Billing
- Summary

### AWS Organizations

- Introduction

- AWS Organizations
- AWS Organizations - Practical
- Summary

### Resource Access Manager

- Introduction
- Resource Access Manager
- VPC Sharing
- Summary