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

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 then 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