

# ANS-C01: AWS Advanced Networking, Part 8 of 9: Advanced Route53

page 1

**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: DNS, Route53, Advanced Route53, Failover Routing, Geoproximity Routing, Delegation and DNS Cache Poisoning.

## Course outline:

### DNS

- Introduction
- Introduction to DNS
- DNS - Part 2 - Wireshark
- DNS - Part 3 - DNS Records
- DNS - Part 4 - A and AAAA records
- Summary

### Introduction to Route53

- Introduction
- Intro Route53
- Create Route53 Hosted Zone
- CNAME Record
- MX Record
- TXT Records
- CNAME and ALIAS
- Summary

### Advance Route53 Features

- Introduction
- Advance Route53 Features
- Route53 Health Checks
- Route53 Health Checks - Practical
- Route53 Health Check Types
- Route53 Routing Policy
- Summary

### Failover Routing

- Introduction

- Failover Routing Overview
- Failover Routing Practical
- Weighted Routing Policy - NEW
- Geolocation Routing
- MultiValue Answer Routing
- Latency Based Routing NEW
- Route53 Traffic Flow
- Summary

### Geoproximity Routing Policy

- Introduction
- Geoproximity Routing Policy
- DNS Support in VPC
- Reverse DNS
- Route53 Query Logging
- Route53 Query Logging - Practical
- Summary

### Reusable Delegation

- Introduction
- Reusable Delegation Set
- Hybrid DNS Setup - Part 01
- Hybrid DNS - Part 02
- Summary

### Route53 Inbound Endpoints

- Introduction
- Route53 Inbound Endpoints
- Route53 Inbound Endpoints Practical

- Route53 - OutBound Endpoints
- Route53 - OutBound Endpoints Practical
- Summary

### DNS Cache Poisoning

- Introduction
- DNS Cache Poisoning NEW
- DNSSEC Overview
- DNSSEC Practical
- Summary