

# SAA-C03: AWS Solutions Architect Associate, Part 1 of 9: Fundamentals

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 Account and base knowledge of AWS services

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**Course description:** AWS Certified Solutions Architect Associate is for individuals who want to design cost-efficient, fault-tolerant systems on AWS. This course Covers and introduction to cloud computing, AWS and VPC.

## Course outline:

### Intro to Cloud Computing

- Introduction
- Get Started
- Intro to Cloud Computing
- Cloud Computing Model
- Architecture of Cloud Environment
- Summary

### On-Demand and Self Service

- Introduction
- On-Demand and Self Service
- Elasticity
- Demo: Elasticity
- Summary

### Introduction to AWS

- Introduction
- Intro to AWS
- AWS Global Infrastructure
- Setting Up Lab AWS
- Setting up SSH Client
- Summary

### Key-Based Authentication

- Introduction
- Key-Based Authentication
- Creating New Key
- Creating First EC2
- Connecting to EC2 using SSH
- Summary

### First Website

- Introduction
- First Website
- Understanding Firewalls
- AWS Budgets
- Summary

### AWS VPC Part 1

- Introduction

- AWS VPC
- Create VPC
- Basic of Subnets
- Creating Subnets
- No Internet
- Summary

### AWS VPC Part 2

- Introduction
- Internet Gateway CP
- Attach IGW to VPC
- Overview of Route Table
- Configuring Route Table
- Overview Public Private Subnets
- Summary

### AWS VPC Part 3

- Introduction
- NAT Gateway
- Configure NAT Gateway
- Delete All Resources
- Create Experience
- VPC Peering
- Demo: VPC Peering
- Summary

### NACL

- Introduction
- NACL
- AMI
- Launch Template
- EC2 Pricing
- Summary