

SAP-C01: AWS Certified Solutions Architect Pro: Part 2 of 6: Design for New Solutions

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 Knowledge of or experience including Certified Solutions Architect Associate as well as enough on the job experience.

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Course description: AWS Certified Solutions Architect Professional is the top level cert in the Architect path for AWS Learning Paths. This course covers knowledge of Domain 2:Design for New Solutions.

Course outline:

DOS Attack Demo

- Introduction
- DOS Attack Demo
- Mitigating DDoS
- AWS Shield
- CloudHSM
- Summary

AWS KMS

- Introduction
- AWS KMS
- KMS Continued
- Finish KMS
- Summary

Intro to Streaming Data

- Introduction
- Intro to Streaming Data
- Streaming with AWS Kinesis
- Overview of Kinesis Data Stream
- Kinesis Introduction
- Kinesis Practical
- Summary

AWS Kinesis Firehose

- Introduction
- AWS Kinesis Firehose
- Kinesis Data Analytics
- Kinesis Video Stream
- Summary

Cross Account Log

- Introduction
- Cross Account Log
- Cross Account Log Part 2
- Cross Account Log Part 3
- Summary

RTO and RPO

- Introduction

- RTO and RPO
- RDS Read Replica
- RDS Read Replica Part 2
- Summary

RDS Multi AZ

- Introduction
- RDS Multi AZ
- RDS Event Notification
- Summary

Overview of Amazon Aurora

- Introduction
- Overview of Amazon Aurora
- AWS ElastiCache
- Intro to NoSQL Database
- Summary

DynamoDB

- Introduction
- DynamoDB
- DynamoDB Auto Scaling
- DynamoDB Global Table
- Summary

DAX

- Introduction
- DAX
- DynamoDB Streams
- DR Techniques
- Summary

Multi Site Route53 Demo

- Introduction
- Multi Site Route53 Demo
- Advance Route53 Features
- Summary

Route53 Health Check Demo

- Introduction
- Route53 Health Check Demo

- Route53 Health Checks Practical
- Summary

Failover Routing Overview

- Introduction
- Failover Routing Overview
- Route53 Failover Routing Practical
- Weighted Routing Policy
- Summary

Geolocation Routing

- Introduction
- Geolocation Routing
- Multi-Value Answer Routing
- Latency Based Routing
- Summary

VPC Endpoints

- Introduction
- VPC Endpoints
- VPC Endpoints Continued
- Gateway Endpoints ACL
- Summary

Interface VPC Endpoints

- Introduction
- Interface VPC Endpoints
- Interface Endpoints Practical
- VPC Endpoint Services
- Summary

VPC Endpoint Services Practical

- Introduction
- VPC Endpoint Services Practical
- VPC Peering
- Summary

NAT Gateway

- Introduction
- NAT Gateway
- NAT Gateway Performance

- Egress Only IGW
- NACL
- Summary

EFS

- Introduction
- EFS
- EFS Part 2
- Summary

Introduction to Docker

- Introduction
- Introduction to Docker
- ECR
- Summary

Overview of ECS

- Introduction
- Overview of ECS
- ECS Task and Services
- Summary

VPN

- Introduction
- VPN
- VPN Part 2
- VPN Part 3
- Site-to-Site Tunnel
- Summary

Load Balancer Types

- Introduction
- Load Balancer Types
- Classic Load Balancer
- Application Load Balancer Overview
- ALB Path Based Routing
- Summary

Listeners and Target Groups

- Introduction
- Listeners and Target Groups

(Continued on page 2)

SAP-C01: AWS Certified Solutions Architect Pro: Part 2 of 6: Design for New Solutions

page 2

- Conditions and Host Header Routing
- Network Load Balancers
- Network Load Balancers Practical
- Summary

AWS WAF

- Introduction
- AWS WAF
- AWS WAF Implementation
- Summary

Code Commit

- Introduction
- Code Commit
- Building Code
- AWS Code Build
- Summary

Code Deploy

- Introduction
- Code Deploy
- Code Deploy Practical
- Code Pipeline
- Summary

Message Broker

- Introduction
- Message Broker
- Message Broker Introduction to SQS
- Summary

Message Broker SQS Visibility Timeout

- Introduction
- Message Broker SQS Visibility Timeout
- Different Queue Types
- SQS Dead Letter Queue
- Summary

Intro to Auto Scaling

- Introduction
- Intro to Auto Scaling
- Auto Scaling -- Understanding
- Auto Scaling -- Practical
- Summary

Auto Scaling Scale Up

- Introduction
- Summary
- Auto Scaling --Scale Up
- Auto Scaling -- Scale Down
- Auto Scaling Plans

ASG LifeCycle Hook

- Introduction
- ASG LifeCycle Hook
- LifeCycle Hooks Practical
- Summary

- AWS Config
- AWS Config Part 2
- Elastic Beanstalk
- Elastic Beanstalk Part 2
- Summary

EB Deployment Policy

- Introduction
- EB Deployment Policy
- EB Immutable Deployment Policy
- Blue Green Deployment
- Elastic Network Interface
- Summary

Enhanced Networking

- Introduction
- Enhanced Networking
- Placement Groups
- Summary

BI and DWH

- Introduction
- BI and DWH
- RedShift
- Summary