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AWS Architect Certification Training focuses on assisting professionals in grabbing opportunities of cloud computing and AWS by becoming expert in cloud developments. The course introduces everything the delegates need to know while gaining practical experience required for hosting their application on cloud-based platforms.

Silicon Beach Training's courses are conducted by experienced professionals who are involved in the process of AWS on a regular basis. The course provides knowledge and skills about Cloud Computing, AWS IAM, AWS EC2, AWS VPC, NAT Gateways, EIP & ENIs,VPG, CGW, VPN, VPC Peering and more.

Prerequisites

There is no prerequisite for this course, however, having prior knowledge of AWS and Cloud Computing can be beneficial.

AWS Foundations

- Core AWS Computing
- Cloud Concepts
- AWS Storage
- Event-Driven Scaling
- Amazon VPC
- VPC Networking Fundamentals
- Elastic Network Interface
- VPC Peering
- Routing Inside VPC
- AWS Cloud Formation
- Cloud Front
- Identity and Asset Management (IAM)
- Amazon Simple Queue Service (SQS)
- Route 53

Designing AWS-based Systems

- Core AWS Architectural Principles
- EC2
- DynamoDB
- Fault Tolerance
- Amazon SQS

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- Cost Efficiency
- Elastic Load Balancer

Implementation and Deployment

- Scaling Applications
- Direct Connect
- Large Datastore Designs

Data Security

- AWS Compliance
- Secure AWS
- Security Platform
- Security, Identity, and Compliance Products
- Cloud Deployment Models
- Cloud Security Model
- Shared Responsibility Model

Hands-On Lab

Lab 1 – Amazon Virtual Private Cloud (VPC)

- Creating a VPC
- Creating the Subnets, Route Tables, and Internet Gateway
- Launching a Web-Server Instance into the Public Subnet
- Launching an EC2 Instance into the Private Subnet as a Mock Database Server
- Connecting to the Machines
- Setting Up Network Address Translation Gateway

Lab 2 – Identity Access and Management

- Creating a New User
- Create Administrators Group
- Adding Users to the Administrators Group
- Creating Developers Group
- Adding Users to the Developers Group
- Creating a Role
- Launching an EC2 Instance with a Role
- Checking Role Permissions

Lab 3 – Route 53

- Registering a Domain Name
- Configuring Domain for Use with Route 53
- Configure Domain Record Sets
- Creating a Route 53 DNS Failover Server

Lab 4 – Amazon Cloud Formation

- Creating a Stack
- Deleting a Stack

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- Configuring a Cloud Distribution

Exam Preparation

- Practice Assignments
- Live Lab Projects
- Practice Labs
- Familiarising yourself with the Exam Format

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