

AWS Solution Architect

Overview

AWS Certifications Training are in great demand because the growth in cloud computing industry in the year 2018 – 2024 simultaneously very high. We provide deep knowledge in AWS solution architect associate. Our all concept are based on latest and demand on market and industry features.

Syllabus of AWS Solution Architect Associate

1. Introduction to AWS

- Elastic computing
- Introduction to the AWS products
- Regions and Availability Zones
- Signing up for AWS
- AWS Free usage tier
- Introduction AWS management console

2. EC2 Instances

- Understanding AMI
- Launching your first AWS instance
- On-demand Instance pricing
- Reserved Instance pricing
- Spot instance pricing
- Setting up security
- Security groups
- Choosing the AMI
- Creating a new AMI
- IP Addressing Scheme
- Public and Private IP's
- Deploying a new instance from the created AMI
- AMI Migration
- Key Pairs
- Elastic IP's

3. ELB (Elastic Load Balancer)

- Introduction to ELB
- Basic ELB concepts
- Internet-facing ELB
- VPC – facing ELB
- Create an ELB (Elastic Load Balancer)
- Adding and removing instances on ELB

4. EBS (Elastic Block Storage)

- Create EBS volumes
- Delete EBS Volumes
- Attach and detach EBS volumes
- Mounting and un-mounting EBS volume
- Creating and deleting snapshots
- Creating volumes from snapshots

5. Cloud Watch

- Cloud watch dashboard
- Configuring Monitoring services
- Setting thresholds
- Configuring actions
- Creating a cloud watch alarm
- Getting statistics for EC2 instances
- Monitoring other AWS services
- Configuring Notifications
- Integrating cloud watch with Auto scaling
- ELB (Elastic Load Balancer)

6. Simple Notification Service (SNS)

- What is SNS?
- Creating a topic
- Create subscription
- Subscribed to the subscription (SQS, Email, Email-Json, SMS, HTTP, HTTPS, Application)

7. Auto scaling

- Horizontal vs. vertical scaling
- Boot strapping
- Create a launch configuration
- Create an Auto Scaling group
- Create a policy for your Auto Scaling group
- Set up an auto-scaled, load-balanced Amazon EC2 application

8. Identity access management (IAM)

- Creating Users and Groups
- Applying policies

- Password Policy
- Roles
- Command line management

9. Elastic Beanstalk

- Creating environment
- Application versioning
- Deploying a sample app
- What is S3?
- RRS (Reduced Redundancy storage)
- S3 durability and redundancy
- S3 Buckets
- S3 Uploading Downloading
- S3 Permissions
- S3 Object Versioning
- S3 Lifecycle Policies

10.Route53

- Creating zones
- Hosting a website
- Understanding routing policies
- Weighted simple and failover policies

11.Relational Database Service (RDS)

- Selecting the Database type
- Configuring the database
- Creating database
- Configuring backups
- Configuring the maintenance windows
- Connecting to the database

12.Cloud Formation

- What is cloud formation?
- Deploying template
- Create Stack
- Delete Stack
- Provisioning application resources with Cloud Formation

13.Cloud Front

- Use of cloud front
- Creating a cloud front distribution
- Hosting a website of cloud front distribution

- Implementing restrictions
- Configuring origins and
- CDN (Content Delivery Network)

14. Amazon Virtual Private Cloud (VPC)

- What is VPC? • VPC configuration
- VPC security
- Elastic IP's
- Inbound and outbound ACL's
- Dynamo DB
- Creating a Dynamo db
- Configuring alarms
- Adding data manually

15. Project and AWS Case study

- Creating and managing two tier application (WEB and DB) on AWS
- Creating and managing three tier application (APP, WEB and DB) on AWS
- Migrating On-Premise application to AWS Cloud

16. Creating and managing two tier application (WEB and DB) on AWS.

- Best practices for AWS
- Cost control strategies
- Overview of AWS certification

17. AWS troubleshooting

- Troubleshooting EC2 instances
- Troubleshooting using Cloud Watch
- Troubleshooting using ELB
- Using Cloud Trail

18. Trusted Advisor

- Cost Optimization
- Performance
- Security
- Fault Tolerance