

Geeks Idea AWS Training.

Course Module	Duration	Fee
AWS Solution Architect Associate Certification	2 Months (Weekdays only)	22,000 INR

Introduction Offer: 8000 INR

Note:

- Money should be paid first half at the time of 2rd of the training. Second Half in the time of security concepts.
- You need to understand I also work for an MNC sometimes the timing might change or get delayed.
- The competition of the course could be delayed a max of 1 week in case of any family emergency / others.
- Question Banks and FAQ would be provided out of the trainer's good will as a compliment if the trainee was nice to the trainer 😊

Extra Includes:

PDF + Software

Skype ID:

Venkatramanvv -> Search on skype and add me. There would be a fan image.

Online:

go.eventshigh.com/training

Bank Details:

Bank (My Mom's Account):

Account Holder	Kamala
Account Number	843410310001208
Account Type	Savings Bank
Bank	BANK OF INDIA
Branch	A E C S LAYOUT
IFSC Code	BKID0008434

AWS Solution Architect Associate Certification

Training | Course Agenda

Lesson 1: AWS Overview

The lesson will provide users with a history and background of AWS along with an overview of all products and services that are offered.

- Description of AWS
- History and Evolution of AWS
- Overview of AWS Products and Services

Lesson 2: Designing highly available, cost-efficient, fault-tolerant, scalable systems

The lesson will help users understand why designing cloud infrastructure is different than for traditional on-premise data centers and will cover AWS concepts, recommendations and best practices about how to build cloud systems.

- How to Design Cloud Services
- Planning and Designing
- Monitoring and Logging
- Hybrid IT architectures
- Practice Assignment: Designing Hybrid Storage

Lesson 3: Identity and Access Management (IAM)

The lesson will provide users with information about how to control and secure user access to your AWS resources using the AWS Access and Identity Management service.

- IAM Overview
- IAM Policies
- IAM Users
- IAM Groups
- IAM Roles
- IAM best practices
- Practice Assignment: Configuring IAM Access

Lesson 4: Amazon Virtual Private Cloud (VPC)

The lesson will provide users with details of Amazon Virtual Private Cloud, which allows the creation of custom cloud based networks. Users will become familiar all concepts of VPC, for example subnets, Internet Gateways, etc.

- Amazon VPC Overview
- Amazon VPC
- IP Addresses
- Subnets
- Internet Gateway
- Route Tables
- NAT Devices
- Security Groups
- Network ACL's
- VPC Best Practices
- Practice Assignment: Designing a Custom VPC
- Demos Included:
 - [Creating a custom VPC](#)
 - [Creating an Elastic IP Address](#)
 - [Creating Subnets](#)
 - [Creating Internet Gateways](#)
 - [Creating Route Tables](#)
 - [Creating a NAT Gateway](#)
 - [Creating a Security Group](#)
 - [Network ACL Overview](#)

Lesson 5: Elastic Cloud Compute- EC2

The lesson will help users understand what the EC2 service is and its many uses. Users will learn the EC2 launch process and will understand how storage, snapshots, Elastic Load Balancing and Auto Scaling all operate together. The lesson will also provide an overview of the other compute services that AWS offers.

- Amazon EC2 Overview
- Amazon Machine Images (AMI)
- EC2 Instance Types
- Amazon Elastic Block Store (EBS)
- EBS Snapshots
- EC2 Instance Pricing
- Placement Groups
- Elastic Load Balancing (ELB)
- Auto Scaling
- AWS Lambda
- AWS Elastic Beanstalk
- AWS Command Line Interface
- EC2 Best Practices
- AWS EC2 Costs
- Practice Assignment: Configure ELB not started
- Demos Included:
 - Launch and connect to an EC2 Linux instance
 - Launch and connect to an EC2 Windows instance
 - Create an AMI
 - EC2 Instance Types
 - Attaching EBS Volumes
 - EBS and Raid 0
 - EBS Snapshots
 - EC2 Spot Pricing
 - Elastic Load Balancing
 - Auto Scaling
 - AWS CLI

Lesson 6: Amazon Simple Storage Service (S3)

The lesson will help users understand the many uses, types and concepts of Amazon S3 storage and how it can be integrated with CloudFront and Import/Export services.

- Amazon S3 Overview
- S3 Buckets
- Version Control
- Amazon S3 Lifecycle Management
- CloudFront and CDNs
- Security and Encryption
- Import/Export & Snowball
- Amazon S3 Best Practices
- Amazon S3 Costs
- Practice Assignment: Create an Amazon S3 bucket
- Demos
 - Create and access an Amazon S3 Bucket
 - Amazon S3 Version Control
 - Amazon S3 Lifecycle Management
 - Amazon CloudFront
 - Security and Encryption

Lesson 7: Route53

The lesson will provide users with an overview of the Amazon DNS service; Route 53. Users will be introduced to the concepts and uses of Route 53 and will learn how it can be used to host your own domain names.

- Amazon Route 53 Overview
- Amazon Route 53 and DNS
- Route 53 Routing Policies
- Route 53 best practices
- Route 53 costs and prices
- Practice Assignment: Amazon Route 53 Hosted Zone
- Demo Included:
 - Route 53 Hosted Zones Demo

Lesson 8: Databases

The lesson will help users understand all the different types of database that are available in today's IT environment and will demonstrate the services that AWS provides to simplify database administration, management and migration.

- Databases Overview
- Amazon Relational Database Service (RDS)
- AMI Databases
- Amazon DynamoDB
- Amazon Redshift
- Amazon ElastiCache
- Amazon Aurora
- AWS Database Migration Services (DMS)
- Databases best practices
- Databases costs
- Practice Assignment: Amazon RDS
- Demos Included:
 - Amazon RDS
 - Launching databases from an AMI
 - Amazon DynamoDB

Lesson 9: Application Services

The lesson will inform and demonstrate to users how Amazon's suite of Application Services can be used to integrate your AWS resources and will tie together concepts learnt in previous lessons about designing cloud services.

- Simple Queue Service-SQS
- Simple Workflow Service-SWF
- Simple Notification Service-SNS
- Elastic Transcoder
- Application Services best practices
- Application Services costs
- Practice Assignment: Amazon SNS
- Demos Included
 - Amazon SNS

Lesson 10: Security Practices for Optimum Cloud Deployment

The lesson will show users the measures that AWS takes to secure its cloud resources and what your responsibilities are in the AWS Shared Responsibility Model. The lesson will also demonstrate the AWS services available to help you secure your environment.

- AWS shared responsibility model
- AWS platform compliance
- AWS security attributes
- AWS CloudTrail
- AWS CloudWatch
- Trusted Advisor
- Incorporating common conventional security products
- AWS CloudFormation and Design patterns
- Practice Assignment: AWS CloudWatch
- Demos Included:
 - Amazon CloudWatch
 - Trusted Advisor
 - AWS CloudFormation

Lesson 11: Disaster Recovery

The lesson will demonstrate to users the importance of Disaster Recovery and will highlight some of the products and services that AWS offers to assist you in creating Disaster Recovery compliant environments.

- Overview of Disaster Recovery
- Using AWS products for Disaster Recovery
- Practice Assignment: Disaster Recovery

Lesson 12: Troubleshooting

The lesson shows users where to look for assistance when they need AWS information and support.

- AWS Support
- Typical AWS Problems