



AWS Certified Foundational Level Course

AWS course covers the fundamentals of building IT infrastructure on the AWS platform. Candidates learn how to enhance in AWS Cloud by getting knowledge on how AWS services fit into cloud-based solutions. For getting Amazon Web Service Certification candidate need to pass exams offered by public cloud provider. By AWS certification IT experts validate and acknowledge their skills and knowledge related to AWS.

About the training

- **Study Material:-** Live lectures, Streaming Recorded Videos, Online Lab Workbook, and Remote Lab access.
- **Duration:-** 1 Month

What you will learn

- Make architectural decisions based on AWS best practices and architectural principles
- How to use AWS services to build your infrastructure
- How to use enhance resiliency and flexibility in an infrastructure by AWS Managed Services
- Make an AWS-based infrastructure more efficient to increase performance and decrease prize
- How to use Well-Architected Framework with AWS solutions to improve architectures

About Instructor

The trainer of AWS is one of our industrial experts who has created this vedio with an in-depth explanation and has covered each topic briefly. The trainer is verified by UniNets. He has delivered over 50+ retail and corporate and training across the world.

Course Content

Core Elements of Cloud Architecture

- Crux of Virtualization
- Key Concepts of Virtualization
- Basics of Networking
- Basics of Servers and Server Oss

Fundamental Pillars of Cloud Computing

- Private Cloud
- Public Cloud
- Private Cloud vs. Public Cloud
- Brief session on Infrastructure as a Service (IaaS)
- Brief Introduction of Platform as a Service (PaaS)
- Brief session of Software as a Service (SaaS)

Computer Lab

- Verify accessibility after creating a EC2 windows machine
- Make a EC2 linux machine and verify the accessibility
- Increase disk drives in EC2 for windows and for 30GB and same with linux and validate
- Create a AMI and test the AMI
- Create a snapshot for EC2 instance. And then terminate the instance and do the restoration
- Move the snapshot from one region to another region
- Enable termination protection and validate the EC2 by deleting the machine
- make a EC2 Windows server 2012 R2 64Bit configure AD
- Configure as a member server after creating additional machine
- Design and implement EC2 linux machine and install apache configuration
- Upgrade EC2 memory and storage

Networking Lab

- Create a VPC, Create a subnet, create internet gateway and routing table
- Learn how to configure EC2 machines with above defined created networks and then after check the connectivity
- Learn how to configure elastic IP and assign this IP to instance and test the connectivity
- Design a public subnet and private subnet and configure NAT Gateway and test the internet traffic for private network.
- Design one VPC by XYZ name, Configure one more VPC (ABC name) do the peering between two VPC
- Design one jump box in one VPC and test the RDP access to another VPC jump box Configure security group rules.
- Configure VPC to VPC and VPC to VPC Connectivity Test.

Storage Lab

- Create a S3 bucket and put some data and try to access.
- Make S3 bucket enable versioning and test for deleting the files and restoring through it
- Create a S3 bucket and host a website in S3
- Create a S3 bucket and configure load balancer logs.
- Create a IIS and HTML Page in EC2 and put hyperlinks for S3
- Install cloudberry in windows and configure backups for glacier

- Create a filer in EFS and mount to linux machine
- Attach volumes from EC2 and detach the volumes in EC2
- Configure Life cycle from S3 to glacier
- Configure S3 endpoints URL in Route53

Databases Lab

- Configure My SQL and Test
- Configure Dynamo DB and Test

Load Balancer Lab

- Learn how to create a EC2 two windows machines and install IIS and host a HTMLFile and check the website connectivity
- Learn how to create a EC2 two linux machine and install apache and host HTML File and check the website
- Create an application load balancer
- Create a classic load balancer and test the loadbalancing

Route 53 Lab

- If you have a domain purchased in Go daddy or any provider then create a hosted zone in route 53 and create a record in route 53
- Validate the domain registration in route 53
- Configure alias creation in route 53

Security Lab

- How to configure IAM users and validate the connectivity from dashboard
 - Configure policy and attach policy to users
 - Configure groups and assign permission to groups
 - Configure AD in EC2 and configure AD connector from directory services and provide access to the users
 - Configure different permissions to different users and do the testing
 - Configure Google authenticator in mobile and validate multifactor authentication
 - Validate AD user for different EC2 Services
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AWS Certified Associate Level Course

AWS certified solution architect (SAA-C02) course is best choice for those candidates who perform in solution architect role in their organizations. This exam validates your skills and knowledge how to architect and deploy secure and robust applications on AWS technologies. During this certification course you will be able to define a solution using architectural design principles.

About the training

- **Study Material:-** Live lectures, Streaming Recorded Videos, Online Lab Workbook, and Remote Lab access.
- **Duration:-** 1 Month

What you will learn

- This course will you provide deep understanding of implementation guidance based on organization's practices.
- This course will you provide deep understanding of solutions using architectural design principles based on requirements of customers.

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Course Content:

- Design Resilient Architectures
 - Design a multi-tier architecture solution
 - Design highly available and/or fault-tolerant architectures
 - Design decoupling mechanisms using AWS services
 - Choose appropriate resilient storage
- Design High-Performing Architectures
 - Identify elastic and scalable compute solutions for a workload
 - Select high-performing and scalable storage solutions for a workload
 - Select high-performing networking solutions for a workload
 - Choose high-performing database solutions for a workload

- Design Secure Applications and Architectures
 - Design secure access to AWS resources
 - Design secure application tiers
 - Select appropriate data security options
- Design Cost-Optimized Architectures
 - Identify cost-effective storage solutions
 - Identify cost-effective compute and database services
 - Design cost-optimized network architecture

Note: ***Most of the course topics are covered with hands-on lab exercises and others are theoretical

Thank You

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