AWS SOLUTIONS ARCHITECT
COURSE CURRICULUM

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About AWS

AWS Architect Certification Training Program – In this certification one can learn to design the cost-efficient and highly available system or architecture and also ensure that they are actually cost efficient. AWS architect have to interact with customers to understand their need and come up with the best solution architecture to meet their needs.

Career Objective

This course teaches you how to:

- Navigate the logistics of the examination process.
- Understand the exam structure and question types.
- Identify how questions relate to AWS architectural concepts.
- Interpret the concepts being tested by an exam question.
- Allocate your time studying for the AWS Certified Solutions Architect – Associate exam.
- Course Duration: 55 Hours Approx.
- Pre-Requisite: Any Graduation and Basic Idea of IT Infrastructure.
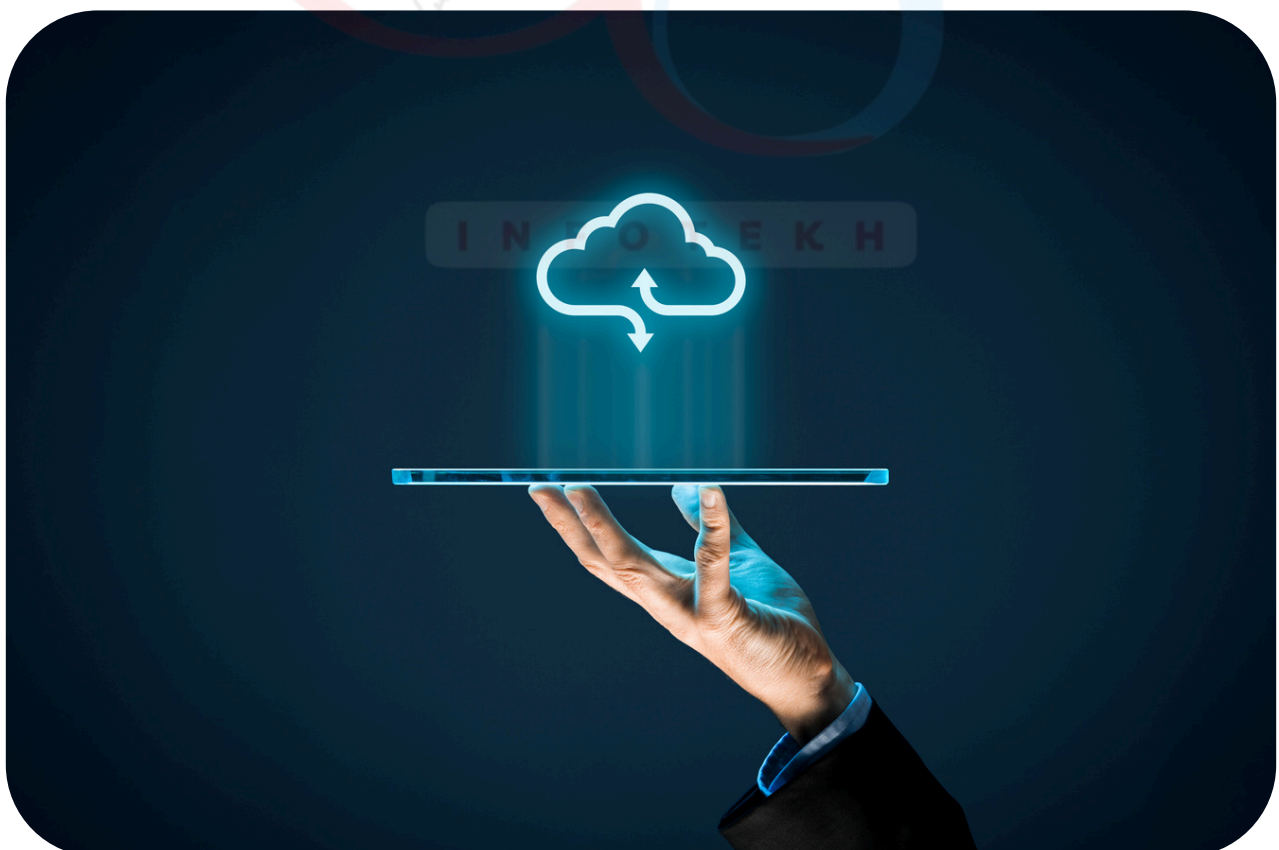
CURRICULUM

UNDERSTANDING OF LINUX
• Overview & history of Linux
• Understanding the Architecture of Linux
• Commands to perform certain actions in Linux
• Overall discussion about utilization of resources, performing tasks, etc.
• Installation of Apache & how Apache works

Understanding of Windows
• Overview of Windows & Windows Servers
• Architecture of Windows
• Utilization of resources & performing tasks
• Installation of Roles & Features in Windows Servers
• IIS Configuration

Introduction to Cloud Computing
• On-Premise Data Center Discussion
• Client Server Computing Concept
• Challenges with Distributed Computing
• Why Cloud Computing and benefits

Cloud Computing Deployment Models
• Public Cloud
• Private Cloud
• Hybrid Cloud

Cloud Services Model
• SaaS
• PaaS
• IaaS

INTRODUCTION TO AWS SERVICES
- AWS Global Infrastructure, Regions and Availability Zones
- AWS Edge Location, Selecting Best Region
- AWS Services Sign Up and Terminologies
- EC2, S3, VPC
- EBS, EFS
- ELB, Auto Scaling
- IAM, CloudFormation, Lambda
- SNS, CloudFront, CloudWatch, Route 53
- Glacier, KMS, ElastiCache, RDS
- SES, SQS

IAM (Identity and Access Management)
- User Accounts, MFA, Groups, Roles
- IAM Policies, Delegation, Cross Account Access

Elastic Compute Cloud (EC2)
- Regions & AZs, AMIs
- Instance Types: On-Demand, Reserved, Spot, Scheduled
- Key Pairs, Security Groups, IPs, Elastic IP, Meta-data
- Placement Groups, EC2 Protection, Instance Roles
- ENIs, Tags

EBS (Elastic Block Store)
- EBS Types, Encryption, Performance
- Instance Store Volumes
- Snapshots, AMIs from Snapshots
- Volume Size Management

Elastic Load Balancer (ELB)
- ELB Types: CLB, ALB, NLB
- Security Groups, SSL, Subnets
- Health Checks, Target Groups
- Sticky Sessions, Logging

Elastic File System (EFS)
- Linux Configuration
- Cross-Zone Load Balancing
- Connection Draining
- Auto Scaling

AUTO SCALING
- Components, Launch Configs, Groups
- Policies based on load
- Suspend, Resume, Notifications

Simple Storage Service (S3)
- Buckets, Objects, Permissions
- Encryption, Versioning, Logging
- Lifecycle Rules
- Static Website Hosting
- CORS, Cross-Region Replication
- Glacier Vaults

VPC (Virtual Private Cloud)
- Network Types, Custom VPCs
- NACLs, Subnets, IGW
- NAT Instances & Gateways
- Route Tables, DNS, DHCP
- VPC Peering, Bastion Host
- IP Address Types
- VPN, Site-to-Site

Route 53
- DNS Configuration, Domain Registration
- Hosted Zones (Public & Private)
- Health Checks, DNS Failover

CloudWatch
- Monitoring EC2 and other services
- Metrics, Aggregated Stats
- Notifications

SNS (Simple Notification Service)
- Topic Creation & Subscriptions
- EC2 Notifications

SES (Simple Email Service)
- Domain Setup
- Test Email

CloudTrail
- Event History
- Trail Creation and Management

Elastic Beanstalk
- Web App Deployment
- Sample App
- Deployment Properties

RDS (Relational Database Service)
- DB Instances, Engine, Configuration
- Backups, Snapshots, Restore
- IAM Access, Replication, Security
- MySQL DB Management

AWS Billing
- Budget Planning
- Cost Optimization

Directory Services
- Setup and Configuration

FSx Storage
- FSx for Windows
- Configure and Use

IaC Tools
- Overview of CloudFormation & Terraform
- Resource Provisioning Examples

Thank you

**Thank You for Going Through AWS Solutions Architect Curriculum
We hope this guide has provided a clear and structured learning path
to strengthen your skills in AWS Solutions Architect.**

📌 **NEXT STEPS**
• Start practicing with real-world use cases and hands-on exercises
• Build personal or client-based projects for your portfolio
• Keep exploring updates and best practices in the industry
• Join discussions and stay connected with the community

📞 **Need Help or Guidance?**
Feel free to contact our course support team:
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