



Course: AWS

Duration: 40 Hrs (Changeable) | Fees: Individual / Batch

Since 2007, Nestsoft TechnoMaster has been providing training, internships, and services in IT technologies, both online and offline, with the expertise of over 250 industry experts. We have delivered internships, training, and seminars to more than 50,000 students, resulting in numerous success stories. We offer 100% placement support through JobsNEAR.in

Our Courses/Internship

- Python/Django Fullstack
- Artificial Intelligence
- Machine Learning
- Data Science
- Software Testing (All)
- Wordpress, Woocommerce
- Digital Marketing, SEO
- Php/MySQL, Laravel
- Flutter, Android, IOS
- Asp.net MVC
- Web Design, Javascript
- Angular JS, React JS
- CCNA, MCSA, CCNP
- AWS, GCP, Azure
- Odoo, SalesForce, Sap
- Microsoft Excel
- Ethical Hacking



Syllabus on the Next Page ..



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AWS Technical Essentials

- * Introduction and History of AWS
- * AWS Infrastructure: Compute, Storage, Networking
- * AWS Security, Identification and Access Management
- * AWS Database
- * AWS Management Tools

Virtual Private Cloud

- * Introduction to Network Switches & Virtual Private Cloud
- * VPC & Subnets
- * Private and Public Subnets
- * Internet Gateways, VPC Peering & NAT Gateways
- * VPN Setup
- * IP Addressing in AWS

Elastic Load Balancing & Auto Scaling

- * Components and types of load balancing
- * Auto scaling and its benefits
- * Life cycle of auto scaling
- Components and policies of auto scaling
- * Assignment : Configure Load Balancer, Auto scaling as per utilization
- * in different situations

Storage

- * Introduction to Block & Object storage mechanism
- * Introduction to Elastic Block Store EBS

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- ***** EBS Snapshots
- * EBS Volume Types
- * Instance Store Volumes
- * Introduction to Simple Storage Service (S3)
- * Features of S3
- Storage Types
- Static Website Hosting
- * Versioning
- * Life Cycle Policy
- * Cross Region Replication
- * Encryption
- Basics of Athena
- Introduction to EFS
- * Connect a drive via network
- * Share the drive among multiple servers

Amazon EC2

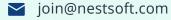
- ***** EC2 Overview
- * Amazon Machine Images(AMI)
- * AMI creation
- Security groups
- * Key pairs
- * Assigning elastic IP address

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- * Elastic IP v/s Public IP
- **Bootstrap Scripts**
- * Overview of Amazon EBSEBS Volume intro
- * EBS vs Instance Store
- Upgrading EBS volume
- Management Tools Cloud
- **Trail Cloud**
- Watch Cloud
- * Formation Trusted Advisor
- * Assignment Creating EC2, Various login ways from different OS,
- * putty and putty keygen use, Assigning EIP, AMI assignment,
- * Creating and restoring snapshot, snapshot to AMI, EC2Bootstrapping,
- * Cloud formation & Cloud Watch assignments.

Identity & Access Management

- * Understanding the IAM Policies
- * IAM User, IAM Policy and IAM Role

Databases

- * Introduction to Relational Databases
- * Creating our first database structure in MySQL
- * Getting started with DynamoDB
- * Know about ElastiCache, Redshift

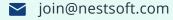
Domain Name System

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- * Introduction to DNS
- * Understanding DNS Records
- * Introduction to Route53
- * Register a Domain using Route 53
- * Manage DNS Hosts

Serverless Computing

- * Serverless Introduction
- * Lambda
- * Setting up Server Auto Start with a Lambda Function
- * Elastic Beanstalk
- * Host a Sample PHP website using Elastic Beanstalk

AWS Encryptions

- * AWS Security
- * KMS Overview
- * SSM Parameter Store
- * Could
- ***** HSM

Migration Service and Disaster Recovery

- * Database Migration Services
- * DataSync Overview
- * AWS Backups

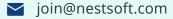
Monitoring

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- * Understanding CloudWatch
- Setup Alarms for Matrix changes
- * Auditing AWS environment with CloudTrail
- * Schedule Event Rules using Target based services
 - -AWS Certification Exam Readiness Workshop Solutions Architect Associate
- * Level
- Testing center information and expectations
- **Examination Review and Structure**
- * Content domains and query breakdown
- * Topics and concepts with content domains
- * Question structure and interpretation techniques
- Post Class Practice Exam Questions
- * 01 including the actual exam voucher

(Click on Course for more details)

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- Thank You -

N.B:This syllabus is not final and can be customized as per requirements / updates.

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