

Since 2007, Making IT Experts & Products

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
- * Cloud
- * 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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