



NTI TECH ACADEMY

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AMAZON WEB SERVICES COURSE CONTENT

1. Introduction To The Course

- ❖ Introduction, Overview
- ❖ Getting Started, What you'll need.
- ❖ Introduction to Cloud Computing
 - o SAAS
 - o PASS
 - o IAAS
- ❖ Cloud Advantages
- ❖ Introduction to Linux & Installation
- ❖ Linux Commands practical

2. AWS Overview

- ❖ The history of AWS
- ❖ AWS account creations
- ❖ Overview of Services of AWS
- ❖ Networking overview

3. Identity Access Management (IAM)

- ❖ IAM
- ❖ Console and All about IAM
- ❖ IAM Lab

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4. EC2 - The Backbone of AWS

- ❖ Introduction & Overview
- ❖ Launching an EC2 Instance
- ❖ How to use Putty (Windows Users Only)
- ❖ Security Groups Basics
- ❖ Volumes and Snapshots
- ❖ Create an AMI
- ❖ AMI's - EBS root volumes vs Instance Store
- ❖ Load Balancers & Health Checks
- ❖ Cloud Watch EC2
- ❖ The AWS Command Line & EC2
- ❖ Using Bootstrap Scripts
- ❖ EC2 Instance Meta-data
- ❖ Auto Scaling
- ❖ EC2 Placement Groups

5. AWS Object Storage and CDN - S3, Glacier and CloudFront

- ❖ S3
- ❖ Create an S3 Bucket
- ❖ Version Control
- ❖ Lifecycle Management & Glacier
- ❖ CloudFront
- ❖ Create a CDN
- ❖ S3 - Security & Encryption

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6. Route53

- ❖ DNS
- ❖ Route53 - Lab
- ❖ Route53 - Routing Policies

7. Databases on AWS

- ❖ Databases
- ❖ Launching an RDS Instance
- ❖ MYSQL
- ❖ ElastiCache

8. VPC

- ❖ Introduction & Overview
- ❖ Build your own custom VPC
- ❖ Network Address Translation (NAT)
- ❖ Access Control Lists (ACL's)

9. Application Services

- ❖ SNS

10. AWS CLI

- ❖ What and why CLI
- ❖ Advantages of AWSCLI
- ❖ Live use cases on below topics
- ❖ S3 and glacier etc.

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11. AWS CloudWatch

- ❖ How CloudWatch works
- ❖ Concept
- ❖ Resources
- ❖ Getting Setup
- ❖ Using Metrics
- ❖ Using Alarm

12. Best Practices

- ❖ Architecting for the AWS Cloud: Best Practices



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