



REG NO:- AAN-2544

TECH CLOUD EDUCATION & CONSULTANCY LLP

NEAR SRI KRISHNA PURI PARK, BORING ROAD

AWS Course Syllabus 2021

Syllabus I: AWS Solution Architect Training 40- 50 hours (including Exam Preparation and Lab)

Section 1: Fundamentals of Cloud Computing

- Introduction to Cloud Computing
- Cloud Environment Architecture
- Cloud Computing Models

Section 2: Infrastructure & Networking

- Introduction to Amazon Web Services
- AWS Global Infrastructure
- Introduction to Network Switches & Virtual Private Cloud
- VPC & Subnets
- Internet Gateways, VPC Peering & NAT Gateways
- IP Addressing in AWS
- Understanding AWS Security Groups
- Launching our first EC2 instance
- EC2 instance types & Pricing Models



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Section 3: Storage

- Introduction to Block & Object storage mechanism
- Introduction to Elastic Block Store - EBS
- EBS Snapshots
- EBS Volume Types
- Instance Store Volumes
- Introduction to Simple Storage Service (S3)
- Features of S3

Section 4: Elastic Load Balancers –

- Understanding High Availability Configuration
- ELB Configuration Elasticity
- Auto Scaling Section

5: Identity & Access Management

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

Section 6: Relational Databases

- Introduction to Relational Databases
- Creating our first database structure in MySQL
- Getting started with DynamoDB



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Section 7: Domain Name System

- Introduction to DNS
- Understanding DNS Records
- Introduction to Route53

Section 8: Aws Lambda and API

- Getting started with AWS Lambda
- Introduction to API
- Understanding working of API
- Building our API with API Gateway

Section 9: Building Scalable Applications

- Introduction to Message Brokers
- Understanding SQS
- Understanding Simple Notification Service (SNS)

Section 10: The DevOps Section

Section 11: Monitoring –

- Understanding CloudWatch
- Auditing AWS environment with CloudTrail

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