AWS Training Syllabus

Overview

- **What is a cloud?**

- **Major Players in cloud**

- **Business Advantages of Cloud**

- **Current landscape and Cloud Scope**

AWS Concepts

- **AWS Architecture and Terminology**

- **Compute and Networking Services**

- **Storage and Content Delivery Services**

- **Database Services**

- **Analytics Services**

- **App Services**

- **Deployment Services**

- **Management Services**

- **Amazon IAM (Identity And Access Management)**

- **IAM Essentials**

- **IAM Best Practices For New Accounts**

- **Amazon S3 (Simple Storage Service)**

- **AWS S3 Essentials**

- **S3 Permissions**

- **S3 Bucket/Object Versioning And LifeCycle Policies**

- **Website Hosting With S3**

- **Amazon EC2 (Elastic Compute Cloud)**

- **EC2 Essentials**

- **Understanding Reserved Instances**

- **Building EC2 Instances**

- **EBS Volumes And Snapshots**

- **Understanding Public And Private IP Addresses in cloud**

- **Cloud-init Userdata And Metadata**

- **Security Groups**

- **CloudWatch(Monitoring AWS instances)**

- **EC2 Placement Groups**

- **Amazon RDS (Relational Database Service)**

- **Introduction to RDS**

- **Subnet Groups in RDS**

Amazon VPC (Virtual Private Cloud) And Networking

- **Introduction To VPC And AWS Networking**

- **VPC Networking**

- **VPC Security**

- **Configuring A NAT Instance**

- **DB Subnet Groups**

- **VPC Peering**

- **High Availability And Fault Tolerant Tools With EC2**

- **Understanding Amazon Machine Images (AMI's)**

- **Understanding Scaling And ELB**

- **AWS Direct Connect**

- **Understanding AWS Direct Connect**

- **Amazon Cloudfront**

- **CloudFront Concepts**

- **Route 53**

- **Understanding Route53**

- **Amazon SNS (Simple Notification Service)**

- **SNS Significance**

- **Amazon SQS (Simple Queue Service)**

- **SQS Significance**

- **Amazon EMR (Elastic Map Reduce)**

- **EMR Concepts**

- **Amazon CloudFormation**

- **CloudFormation Concepts**

- **Understanding Data Security in cloud**

- **Security Architecture with AWS**

- **Shared Security Responsibility Model And Attributes**

- **AWS Platform Compliance And Security Services**