

Aws Training Course

Syllabus

Course Duration: 100Hrs

Syllabus

- AWS Architecture and Terminology
 - What is Cloud Computing
 - Service Models in Cloud computing
 - Introduction to AWS
 - AWS Architecture and Terminology
 - AWS Core infrastructure and Services
 - Benefits of AWS cloud computing
- Amazon IAM
 - IAM Essentials
 - IAM Best Practices For New Accounts
 - API Keys And Roles & IAM Policies
 - Creating Customer Managed Policies
- Amazon S3
 - AWS S3 Essentials
 - S3 Permissions
 - S3 Bucket/Object Versioning And Lifecycle Policies
 - Website Hosting With S3 & Standard - Infrequently Accessed
 - Reduced Redundancy
 - Amazon Glacier
- Amazon EBS
 - Different EBS Volume Types
 - General Purpose SSD & Provisioned IOPS
 - Creating Snapshots (Backups)
 - Restoring From Snapshots
 - Resizing Volumes
 - Securing EBS volumes
- Amazon EC2
 - Different EBS Volume Types
 - General Purpose SSD & Provisioned IOPS
 - Creating Snapshots (Backups)
 - Restoring From Snapshots
 - Resizing Volumes
 - Securing EBS

- EC2 Essentials
- Selecting And Building EC2 Instances
- EBS Volumes And Snapshots
- Working With Public And Private IP Addresses
- Cloud-unit User data And Metadata
- Security Groups
- Cloud Watch And EC2
- Amazon ECS
 - Task Definition
 - Security Groups
 - Cloud Watch And EC2
- Amazon RDS
 - RDS Essentials
 - Working With RDS & Subnet Groups
 - RDS Security Groups And Connecting To RDS From EC2
- VPC and Networking
 - Introduction To VPC And AWS Networking
 - Building A VPC From Scratch
 - VPC Networking & VPC Security -NACL
 - Configuring A NAT Instance
 - VPN Configuration with AWS (OpenVPN)
 - VPC Flow Logs
- High Availability and Fault Tolerant
 - Working With Amazon Machine Images (AMI's)
 - ELB With High Availabipty Hands On
 - Troubleshooting Connectivity Issues
 - Applying Auto Scalping And ELB To Create High Availabipty And Fault Tolerance
- Auto Scaling
 - Auto Scalping Group
 - Launch Configuration & Step Simple scraping
 - recycle Hooks & Scheduled scraping
- Amazon Cloud front
 - Cloud Front Essentials
 - Architecting Apppcations With Cloud Front
 - Performance Considerations With Cloud Front
- Route 53
 - Route53 and DNS Failover & DNS Records overview
 - Hosting sample Website and configuring Popcies
 - Simple Routing Poppy & Latency Based Routing
- Amazon Cloud watch
 - Different Metrics, Monitoring

- Amazon SNS & SQS
- SNS Essentials
- Topics & Subscription
- Notification & application
- Amazon AWS CLI
 - Configuration of AWS Ca
 - Creating EC2 using AWS Cp
 - IAM using AWS Cp & S3 using AWS Cp
- Amazon Cloud Formation
 - Cloud formation templates
 - Complete resources & explanation with sample templates
 - AWS Lambda (Server less Architecture)
- Project (Using Amazon Cloud)
 - Cloud project using Amazon Resources
 - Preparation for “Amazon Certified Solution Architect – Associate Level “exam

ALL THE BEST