ASPIRE TECHSOFT PVT. LTD.

ISO 9001: 2015 Certified Training Institute

Amazon Web Services

Batches: Regular/ Weekend

Module-1: Basics of Cloud Computing

- What is cloud computing?
- Different models of cloud computing
- Different services available with cloud
- Different services providers
- Future Scope of cloud computing and AWS

Module 2 – Introduction to AWS

- About AWS
- Different Services provided by AWS
- Fact and Figures – AWS
- AWS key vocabulary and concept

Module 3 – Identity Access Management

- Introduction to IAM
- Manage IAM users and their access
- Manage IAM roles and their permission
- Manage federated users and their permission
- Lab – 1 Session on IAM
- Lab – 2 Session on IAM

Module 4 – AWS compute services

- Introduction to various compute services by AWS
- Amazon EC2
- Lab 1 – Session on EC2

- Amazon EBS
- Lab 2 – Session on EBS
- Load Balancers and Heath check
- Cloud watch EC2
- Auto Scaling
- Lambda

Module-5 – AWS Storage services

- Introduction to storage services by AWS
- Amazon S3
- Lab 1- Session on S3
- Life Management and glacier
- Lab 2- Session on Life Management and glacier
- Cloud front
- Lab 3 – Session on cloud Front
- Security and storage with S3
- Import/Export – Snowball
- Storage Gateway

Module-6–Amazon Networking Services

- Introduction to Networking services
- Amazon Route S3
- Lab 1 – Amazon Route S3
- Amazon Direct Connect
- Lab 2 – Amazon Direct Connect
- Amazon VPC
- Lab 3 – Amazon VPC

- Build a Wordpress site and host on CE2
- Build a Log Analytics Solution
- Build a Drupal Website

Module 7 – Amazon Database Services
- Introduction to DB Services
- Basic of Database
- Amazon RDS
- Lab 1- Amazon RDS
- DYNAMO DB
- Elasticache
- Aurora

Module 8 – Amazon Application Services

- Introduction to various application services of AWS
- Amazon SQS
- Amazon SES
- Amazon SWF
- Amazon SWF
- Amazon SNS
- Amazon Elastic Trans coder

Module 9: Monitoring

- What is monitoring?
- How to monitor?
- Cloud watch
- Auto scaling and cloud matrix
- Tools and tricks for monitoring

Module 10 : Backup

- Backing up static files from EC2 to S3
- Rolling bachups with S3 and Glacier
- Snapshots and continues Archiving
- Off-site backups

Module 11: Mini Projects

- Migrate from Oracle to Amazon Aurora