

AMAZON WEB SERVICES



1800-120-4748



www.teksacademy.com



info@teksacademy.com

MODULE 01 - INTRODUCTION TO CLOUD & AWS

- What is Cloud? Types of Cloud.
- Types of Cloud services (IaaS, PaaS, SaaS)
- Advantages of Cloud computing.
- Difference between On-premises and Cloud.
- Services offered by different Cloud providers.
- What is AWS?
- AWS - The World Largest Cloud provider.
- Different services offered by AWS.
- How to create an AWS account?
- Introduction to AWS Services
- What is Region?
- What is availability Zone?

MODULE 02 – ELASTIC CLOUD COMPUTING (EC2)

- Introduction to AWS EC2.
- Pre EC2 and EC2 instance Types.
- Procedure for launching AWS EC2 Instance.
- EC2 Pricing.
- Introduction EBS.
- EBS Volume Types.
- What is meant by EBS Snapshots?
- How to launch EC2 Instance?
- Conditions to be take care while launching EC2 Instance.
- What is meant by AMI?
- How to create an Image (Backup) of instance?
- How to launch Instance using Image?



1800-120-4748



www.teksacademy.com



info@teksacademy.com

- What is meant by load balancer?
- What is Elastic Load Balancer (ELB)?
- What is target group?
- How to integrate Target group with ELB?
- Load Balancer Architecture.
- What is Auto scaling?
- What is launch configuration?
- How to use Load balancer with Auto Scaling?

MODULE 03 – VPC AND APPLICATION SERVICES

- Introduction of Amazon VPC (Virtual Private Cloud).
- Architecture of VPC.
- VPC Components of VPC.
- Network Interfaces and internet gateway.
- Security in VPC - Security groups and NACLs.
- VPC END POINTS.
- How to create the VPC?
- Creating Security groups?
- How to create Private Subnets and Public Subnets?
- What is Routing Tables? How to configure the routing rules?
- Create Internet gateway and attach it to VPC?
- What is Elastic IP?
- What is NAT gateway and how to use it?
- What is VPC peering?
- VPC Peering with same account Same Region/ Same account
- Another Region.
- VPC Peering with Another account Same Region/ Another Region



1800-120-4748



www.teksacademy.com



info@teksacademy.com

MODULE 04 – STORAGE SERVICES

- What is AWS Storage?
- Introduction of S3 (Simple Storage Service)
- Storage architecture of S3 buckets.
- How to create the S3 bucket?
- Uploading Objects to the S3 bucket.
- Bucket level permissions and object level permissions.
- How to make your bucket as public?
- Data Encryption.
- What is Bucket versioning and advantages of it?
- What is server access Logging and how to enable it?
- Cloud Trail events and Event Notifications.
- Static website Hosting.
- S3 Lifecycle Rules and Replication Rules.

MODULE 05 – DATA BASE SERVICES

- What is Data base?
- What is Relational Data base?
- What is SQL?
- Types of Databases available in AWS.
- What is AWS RDS?
- Introduction to Amazon RDS?
- Pricing details of Database Services in AWS
- Launching a MYSQL RDS Instance.
- How to modify the RDS Instance.
- How to connect Local DB with RDS.
- How to create a MySQL DB table and insert data in Database?
- What is No SQL Database?



1800-120-4748



www.teksacademy.com



info@teksacademy.com

- Difference between Relational Database and No SQL Database?
- How to create a Dynamo DB table?
- Inserting data into Dynamo DB table.

MODULE 06 – SIMPLE NOTIFICATION SERVICE, SIMPLE

- Email service.
- What is Simple Notification Service?
- How Does SNS works?
- How to subscribe SNS.
- How to create a Topic.
- How to configure email/phone number using SNS.
- What is Simple email service?
- How to subscribe SES.
- What are the pros and cons of SES?

MODULE 07 – ACCESS MANAGEMENT, MONITORING

- Services
- Why access management
- What is ARN Service (Amazon Resource Name), IAM feature?
- What is IAM policies?
- IAM permissions, IAM roles, identity federation.
- How to create IAM users and user Groups?
- Assign permissions to user and groups.
- How to enable MFA to root user and IAM users.
- How to create Roles and assigned it to another service?
- How to restrict user permissions using IAM Policies.



1800-120-4748



www.teksacademy.com



info@teksacademy.com

- Introduction to Cloud Watch.
- Concept of Cloud Watch architecture
- What is Cloud Watch Alarms and how to create them?
- Cloud Watch logs/Log groups.

MODULE 08 – AWS Lambda, ELASTIC BEANSTALK

- Introduction to AWS lambda, benefits of Lambda.
- What languages Lambda supports?
- How to create lambda function?
- How to Test Lambda Function?
- Execute/Trigger lambda function using API gateways.
- Integration S3 with lambda.
- What is Elastic Beanstalk?
- Elastic Beanstalk architecture.
- Creating an Elastic Beanstalk application.
- Module 11 - DNS and Route53
- What is DNS and how it works?
- What is Route 53?
- Register domains using Route53
- How map URL with IP address?
- What is A Record?
- What is C name?
- Difference between a Record and C name?

MODULE 09 –Amazon Red Shift and Elastic Cache

- What is Amazon Red Shift?
- Advantages of Red shift
- Pricing of Amazon Red Shift



1800-120-4748



www.teksacademy.com



info@teksacademy.com

- What is Elastic Cache?
- Benefits of Elastic Cache

MODULE 10 – LINUX

- What is Linux?
- Creating a file in Linux.
- Creating multiple files at same time.
- Creating a Directory.
- Making multiple directories inside a directory.
- Copying files into directory.
- Moving files and directories from one location to other.
- Renaming Files and directories.
- Removing a File and directories.
- Vi Editor.
- File Permissions.
- USER AND GROUP ADMINISTRATION.
- Types of users In Linux and their attributes.
- Creating a user.
- Assigning password to the user.
- Modifying the user's attribute.
- Locking and unlocking a user account.
- Deleting a User.
- Creating a Group with default options.
- Creating a group with user specified group id.
- Modifying the properties of the group.
- Adding and Removing Members to a Group.
- ls, head, tail?
- Free, top, man, PWD.



1800-120-4748



www.teksacademy.com



info@teksacademy.com

- Ping, Telnet, Tracer.
- How to install web services (Apache, Ngnix)



1800-120-4748



www.teksacademy.com



info@teksacademy.com

Why Teks Academy?



Training from
Industry Experts



3 Capestone
Projects



Internship
Certificate



Resume
Development



Interview Skills
Training



Communication
Skills Training

12000+

Student Trained

80%

Placement Record

ISO

Certified



1800-120-4748



www.teksacademy.com



info@teksacademy.com

Download Syllabus



1800-120-4748



www.teksacademy.com



info@teksacademy.com