

EXPERIMENT-1: Introduction To AWS

Amazon Web Services(AWS) is a cloud service from Amazon, which provides services in the form of building blocks, these building blocks can be used to create and deploy any type of application in the cloud.

These services or building blocks are designed to work with each other, and result in applications which are sophisticated and highly scalable.

Few domains which are widely used are:

- Compute
- Storage
- Database
- Migration
- Network and Content Delivery
- Management Tools
- Security & Identity Compliance
- Messaging

The **Compute** domain includes services related to compute workloads, it includes the following services:

- EC2 (Elastic Compute Cloud)
- Lambda
- Elastic Beanstalk
- Amazon LightSail

The **Storage** domain includes services related data storage, it includes the following services:

- S3 (Simple Storage Service)
- Elastic Block Store
- Amazon Glacier
- AWS Snowball

The **Database** domain is used for database related workloads, it includes the following services:

- Amazon Aurora
- Amazon RDS
- Amazon DynamoDB
- Amazon RedShift

The **Migration** domain is used for transferring data to or from the AWS Infrastructure, it includes the following services:

- AWS database Migration Service
- AWS SnowBall

The **Networking and Content Delivery** domain is used for isolating your network infrastructure, and content delivery is used for faster delivery of content. It includes the following services:

- Amazon Route 53
- AWS CloudFront

The **Management Tools** domain consists of services which are used to manage other services in AWS, it includes the following services:

- AWS CloudWatch
- AWS CloudFormation
- AWS CloudTrail

The **Security & Identity, Compliance** domain consist of services which are used to manage to authenticate and provide security to your AWS resources. It consists of the following services:

- AWS IAM
- AWS KMS
- AWS Shield

The **Messaging** domain consists of services which are used for queuing, notifying or emailing messages. It consists of the following domains:

- Amazon SQS
- Amazon SNS
- Amazon SES
- Amazon Pinpoint