

Assignment-1

1 EC2 - Amazon Elastic Computing Cloud (Amazon EC2) is a web service that provides secure, resizable compute capacity in the cloud.

- It is designed to make web-scale cloud computing easier for developers. Amazon EC2 simple web service interface allows you to configure capacity with minimal friction.

2 Elastic Beanstalk - AWS Elastic Beanstalk is an easy-to-use service for deploying and scaling web applications and services developed with Java, .NET, PHP, Node.js, Python, Ruby, Go and Docker on familiar servers such as Apache, Nginx, Tomcat and IIS.

3 IAM - AWS Identity and Access Management enables you to manage access to AWS services and resources securely using IAM.

- You can create and manage up to 1000 AWS users and groups and use permissions to allow or deny their access to AWS resources.

4 ELB - Elastic Load Balancing automatically distributes incoming application traffic across multiple targets, such as a Amazon EC2 instances, containers, IP addresses, Lambda functions and virtual applications.

5 S3 - Amazon Simple Storage Service (Amazon S3) is an object storage service that offers industry leading scalability, data availability, security and performance.

- Customer of all size and industries can use it to store and protect any amount of data.

6 EBS - Amazon Elastic Block Store is an easy to use high performance, block storage service designed for use with Amazon Elastic Compute Cloud (EC2) for both throughput and transaction intensive workload at any scale.

ex - Big data analytic engine deployed on Amazon EBS.

7 FSx for Lustre - Amazon FSx for Lustre is a fully managed service that provides cost effective high performance, scalable storage for compute workloads.

- It provides multiple deployment options and storage types to optimise cost & performance for your workload requirements.

8 Outposts - Amazon S3 Outposts is a secure, durable, and extremely low cost Amazon S3 storage class for data archiving and long term backup with S3 Outposts, customers, can store their data cost effectively for months, years or even decades.

- 9 Sage Maker - Amazon Sage maker is a fully managed machine learning service with sage maker data scientist and developers can quickly and easily build and train machine learning modules and then directly deploy them into production ready hosted environments.
- 10 Rekognition - Amazon Rekognition makes it easy to add image and video analysis to your application using proven highly scalable, deep learning technology that requires no machine learning expertise to use with amazon Rekognition
- 11 SNS - Amazon Simple Notification Service is a fully managed messaging service for both application-to-application (A2A) and application-to-person (A2P) communication.
- 12 SES - Amazon Simple Email Service is a cost effective flexible and scalable email service that enables developers to send mail from within any application with SES you can see email securely, globally and it scale.
- 13 Lambda - AWS Lambda is a serverless compute service - that lets you run code without provisioning or managing servers,

creating workload aware cluster scaling logic, maintaining event integration with lambda.

14 RDS - Amazon Relational Database Service makes it easy to setup, operate and scale a relational database in the cloud.

- It provides cost-efficient and resizable capacity while automating time-consuming administration tasks such as hardware provisioning, database setup, patching and backups.

15 Cloud9 - AWS Cloud9 is a cloud-based integrated development environment (IDE) that lets you work, run & debug your code with just a browser. It includes a code editor, debugger and terminal. Cloud9 comes prepackaged with essential tools for popular programming languages including JavaScript, Python, PHP, etc.

16 Cognito - Amazon Cognito lets you add user signups, sign-in and access control to your web & mobile app quickly and easily.

- 17 VPC - Amazon Virtual Private cloud is a service that lets you launch AWS resources into logically isolated virtual Networks.
- 18 Route 53 - Amazon Route 53 is a highly available and scalable cloud domain name system (DNS) web service. It is designed to give development and business and entirely reliable and cost effective way to route end users to Internet applications, by translating . names like example .com.