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39 MCA-3  
cloud Computing

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## Assignment-1

Q-1 EC2: Amazon elastic compute 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 single web service introduce to configure capacity with minimal function

2 Elastic Bean Stack: AWS Elastic Bean Stack is an easy-to-use service for deploying and securing web application and source developed with java, .net, php, Node.js, python, Ruby, etc and docks on familiar server such as Apache, Nginx, Passenger and etc.

3 IAM: AWS Identity and Access management (IAM) enables you to manage access to AWS services and resource security using IAM.

You can create and manage use AWS service user or group and use permission to allow and deny their access to AWS resources.

4 ELB: Elastic Load Balancing Automatically distributed incoming application traffic multiple target.



Such as Amazon EC2 instances, containers, IP address, Lambda functions and virtual an layer

1) S3: Amazon Simple Storage Service (Amazon S3) is an object storage service that offers industry leading scalability, data availability, security and performance. Customers of all size and industries can use it to store and protect any amount of data.

2) EBS: Amazon Elastic Block (EBS) is a 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.

3) Fsx for Lustre: Amazon FSx for Lustre is a fully managed service that provide cost effective, high performance, scalable storage for ~~st~~ compute workload.

It provide multiple deployment option storage type to optimise cost & performance for your workload requirement.

4) Glacier: Amazon S3 Glacier is a secure, durable and extremely low cost Amazon S3 storage class for data archiving and long term backup with S3 Glacier, customer



can store their data, cost effectively  
For month, year or when needed

a) Sage maker: Amazon sagemaker is a managed machine learning service with sage maker, data scientist and developer can build and train machine learning then readily deploy them into production ready hosted environments

b) Recognition: Amazon Rekognition makes it easy to add image and video analysis to your application using proven, highly scalable, deep learning technology that requires no ml expertise to use with amazon Rekognition.

11) SNS) Amazon Simple Notification service (SNS) is a fully managed messaging service For both application-to-application (A2A) and app-to-person (A2P).

12) SES) Amazon Simple Email service is a cost effective, flexible and scalable email service that enables developer to send mail from within any application

13) Lambda: Any lambda is a serverless compute service that you can code without provision or managing server, creating workload, aware cluster, scaling,



Logic maintaining event integrators with lambda.

14) RDS: Amazon Relational Database service (RDS) makes it easy to setup, operate and scale a relational database in the cloud.

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

15) Cloud9: Any cloud9 is a cloud based integrated development environment (IDE) that lets you write, run & debug your code with just a browser. It includes a code editor, debugged terminal.

16) Cognito: Amazon Cognito lets you add user sign-up, sign-in and 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 network.

18) Route 53: Amazon Route 53 is a highly available and scalable cloud domain name system and service. It is designed to give development

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and business an extremely reliable  
and cost effectively to route and  
user to internet App by translating  
~~the~~ names like cpww - example