Cloud
Computing

Assignment - 1

- Discuss the following aws services.

1) EC2

Amazone EC2 stemds for Amazon Elastic cloud.

it provider a Scalable Computing security in the AWS cloud.

2) Elastic beamstalk

Aws elusite beamstalk is an easy to use service for deploying and scaling web applications and services developed with Java , net , node Js , Python , Go and doker on familieers servler such as Apache NGIX, Passernger and IIS
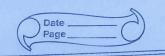
3) IAM

Aws identity and Access management enables you to manage access to aws services and resources securoly using IAM you can create & manuge Aws usear and groups and permissions to allow & deny thar access to Aws resource

4) ELB

Elastic load balancing automatically distributes incomming application truffic accross multiple targets such as amazon EC2

Instances, Container, IP address, Lambda, function & virtual applications. it can handle the varying loud or your application toutic in a single availibility zone or cross multiple availability zone.

5) S3

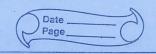Amazone simple storage device is an object storage service that offers industry leading scalability, data availability, security & performance. S3 provides easy to use management features so you can organize your data and Configure and access control to meet your specific business

6) EBS

Amazon elastic block store is an easy to use, high performance block storage device design for use with EC2 for both throughput and transaction intensive work load at any scale.

7) FSX for lustree.

Amazone FSX for lustore is a fully managed service that provides cost effective high performance scalable storage for Compute overloads, many work load such as ML, high performance Computing, video rundering depend on Compute Instance accessing the same set of data through

high performance shared storage.

8) Glacier

Amazon S3 glacier is a service durable & Extream low cost amazon S3 storage class for data archiving & long term backup.
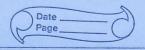
9) Sagemaker

Amazon segemaker is a fully managed ML service. with segemalke, data scientist and developer can quickly easy build and train machine learning model & then directly deploy into a production ready based environment.

10) Recognization

Amazon recognization makes it easy to add image od video analysis to your application using proven high scalable DL technology that requires no machine learning experties to use.

11) SNS

Amazone Sample Notification service is a fully managed messaging service for both application to application (A2A) and

Application to person (A to P) Communication.

12) SES

Amazon Simple Email Service is a cost effective, flexible & scalable email services, that enables developmer to send mail from with any application you can configure amazon SES quickly to support servel email usecase including transcuational marketing or mass email communication.

13) lambda

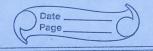Aws lambda is serverless Compute service that lets you run code without providing or managing servers, creating workloads, aware cluster scling logic, manyntuining event integration or managing runtimes.

14) RDS

RDS Relational database service make its eusy to set up operate & save a horizontal database in the cloud.

15) Cloud9.

Aws cloud9 is a cloud bered Integration development (IDE) that lets you write run and debug your code with just a browser.

It includes a code editor debugger terminal. cloub9 comes pre-packaged with essential tools for popular programming language including JS, PHP, Python & more

16) Cognito.

Amazone Cognito lets you and add user sign up, signin and access control to your web and mobile apps quickly and easily amazon cognito sales to million of user and supports signin with social identity ,provides such as apple, fb, google. via sm SAML 2.0.

17) VPC

Amazone virtual Private cloud is a service that lets you launch aws resources in a logically isolates virtual network that you define. have to complete control over your virtual networking ,Environment ,including selection of your own IP address range. creating of subnets and and configure of tables & network gateways.

18) Route 53

Amazon Route 53 is a highly available & scalable cloud DNS web service. it is designed to give developers and business an extremly relable & get cost effective way to route and user to net upplication by traversing link & IP address. —we- 192.0.0.121.