

ADIB PUTHAWALA

cloud computing

Assing -1

Q-1] a EC2: Amazon elastic compute cloud 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.

b) Elastic Beanstalk - AWS elastic Beanstalk is an easy to use service for deploying & scaling web application & service developed with Java, .NET, PHP, Node JS, Python, Ruby, Go & Docker, on familiar server such as Apache, NGINX, Passenger & IIS.

c) IAM :- AWS Identity & Access Management enables you to manage access to AWS services & resources securely. Using IAM, you can create & manage AWS users & groups & have permission to allow- deny them access to AWS resources.

Steps at last after making one single cluster den diagrams will be used to discuss also multiple clusters dependency upon the problem.

d) ELB - Elastic Load Balancing automatically distributes incoming application traffic across multiple targets such as EC2 instances, containers, IP addresses, Lambda functions & virtual applications

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f) S3 - Amazon simple storage service is an object storage service that offers industry leading scalability, data availability, security & performance

g) EBS - Amazon Elastic Block Store is an easy to use high performance block storage service designed for use with Amazon EC2, for both throughput & transaction rates for most workloads at any scale

h) Glacier - Amazon S3 Glacier is a secure, durable & extremely low cost Amazon S3 storage class for data archiving & long term backups

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i] Sage Maker :- It is a fully managed machine learning service that enables developers to quickly & easily build & deploy machine learning models to production environments.

j] Recognition :- Makes it easy to add image & video analysis to your applications using powerful, highly scalable, deep learning tech that requires no machine learning experts to use.

k] SNS :- Simple Notification Service is a fully managed messaging service for applications to publish (A2P) & subscribe to push (P2P) communications.

l] SES :- Simple Email Service is a cost-effective method & scalable email service that enables email changes to an application mail from within any application.

m) Lambda :- It is serverless compute service that lets you rent out what you need or manage serverless compute workloads on cloud native logic.

n) RDS :- Relational Database service makes it easy to get started with a relational database in the cloud.

o) Cloud :- It is a cloud based IaaS that lets you write run & deploy your code on just a browser.

p) Cognito :- Lets you & lets sign up sign & access control to your app & lets you access & easily.

q) EKS :- Unlike private cloud is a serverless that lets you launch AWS resources in a logically isolated virtual network that you define.

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Q7] Route 53 :- It is a highly available, scalable cloud domain name & system web services.