



Session-5

My manager showing me the code I wrote that took down the whole website





Brief Overview of Aws

Jo get our honds dirty -> Deploy on ECS

Why Remote/Cloud	Computer??	
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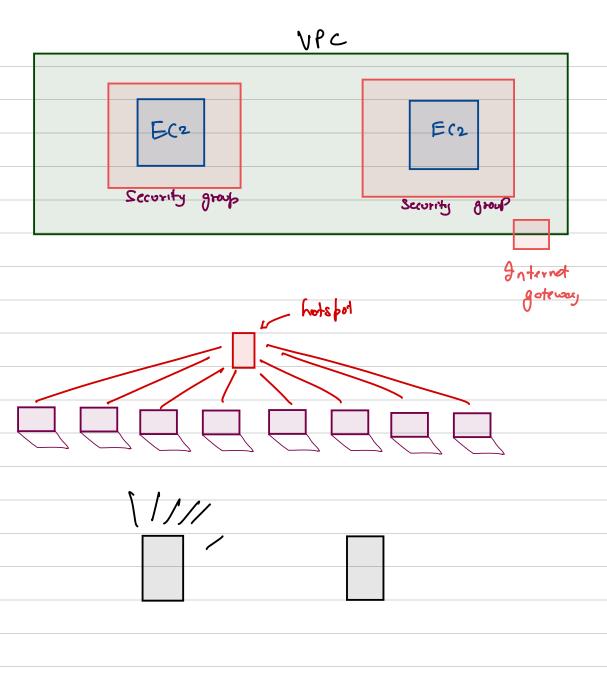
### Other Cloud Computing Platform

- 1. AWS Amazon
- 2. GCP Google
- 3. Azure Microsoft
- 4. Digital Ocean
- 5. Heroku
- 6. IBM
- 7. Oracle

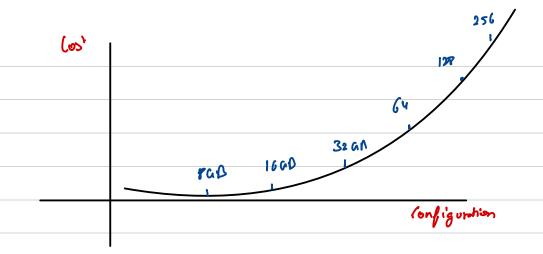
Aws provides - Row infrasture - Ecz Pre- Configured platform - Ecs

**AWS Services** 

- 1. EC2 -> Elastic Compute Cloud (Blank/Un-configured online server)
- 2. S3 (Simple Storage Service) Online equivalent of google cloud.
- 3. ECS Elastic container Service
- 4. ECR Elastic Container Registry (AWS equivalent for docker hub)
- 5. SageMaker Google-colab for Amazon, inside AWS
- 6. EMR Distributed Computing Apache spark
- 7. IAM Controls access across entire AWS system (Identity and Management)



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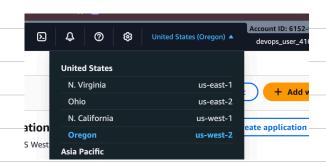


### Steps for Model Deployment (Platform Agnostic)

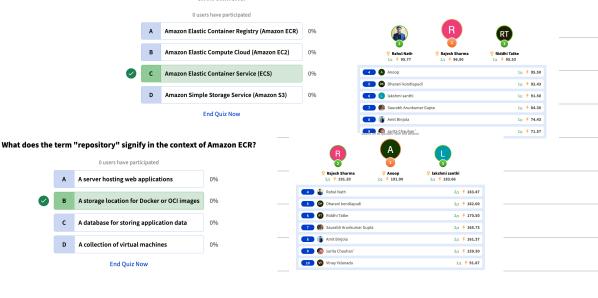
- 1. Containerise the model.
- 2. Push container to registry.
- 3. Define specs of computer, where to run it (CPU/Memory, ports ,environment variables ,etc)
- 4. Setup Compute Platform (VM, EC2)
- 5. Deploy, and configure Network/Security.
- 6. Monitor.

## Same steps in context of Amazon AWS

- 1. Authenticate our computer with AWS, using IAM.
- 2. Containerise and push our docker-image to ECR.
  - 3. Create Cluster and Task-definition.
  - 4. Deploy and configure security-group.



# Which AWS service is responsible for managing containers and enabling developers to run applications without configuring the environment?



# FRON - ml.ecs-flask.com

#### What purpose does Amazon Elastic Container Registry (Amazon ECR) primarily serve in the AWS ecosystem?





### What is the primary function of a virtual private cloud (VPC) in AWS?

O users have participated

A Storing and managing virtual machine images

D Providing a dedicated virtual network for an AWS account

C Optimizing database queries

D Enabling high-performance computing

0%

**End Quiz Now** 

