Session-5

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

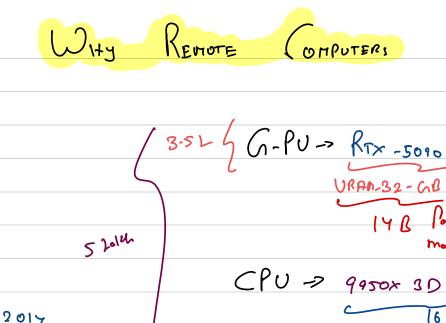




Brief Overview of Aws

Jo get our honds dirty -> Peploy on EC2

-> Deploy on ECS



RA17 -> 128 GB

A100 -> 80 GB URAN-111

GPT-4 - 25K

< 704

GPU

DDRS

70 12

URAT

FlipKort

CAPU ->

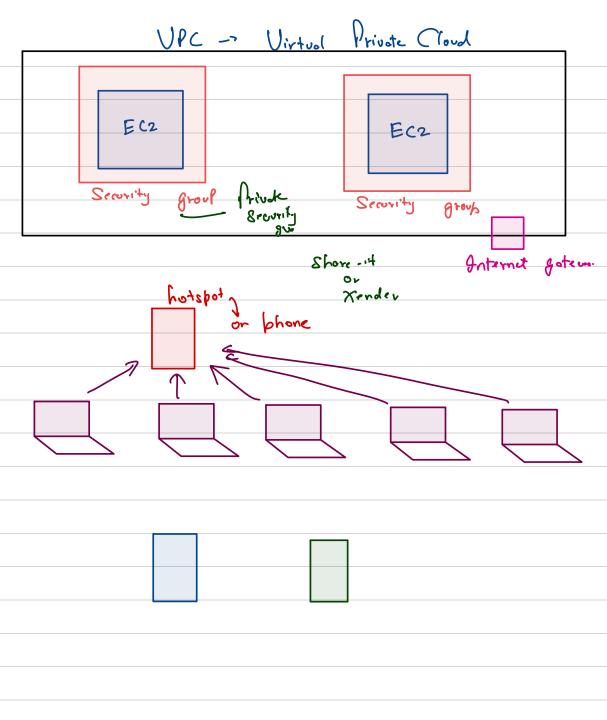
CPU -

Other Cloud hosting Infra.

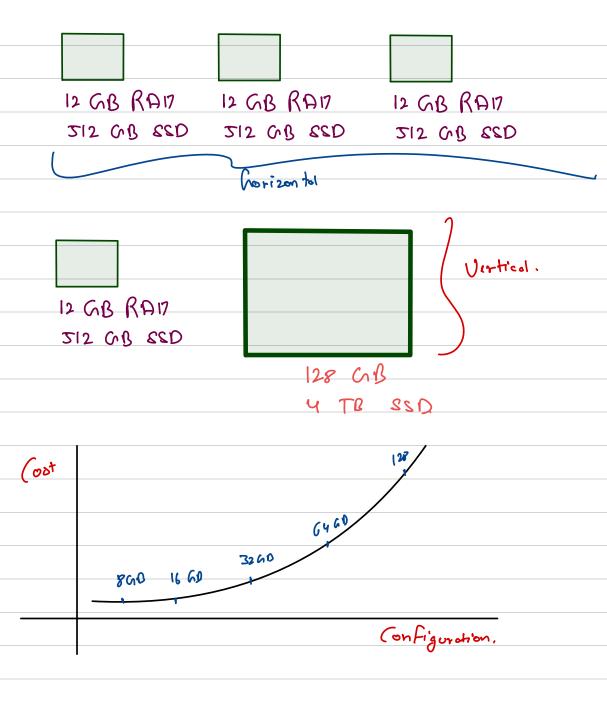
- 1. AWS Amazon
- 2. Azure Microsoft
- 3. GCP Google
- 4. Digital Ocean
- 5. Heroku
- 6. IBM
- 7. Oracle

AWS Services

- 1. EC2 -> Elastic Compute Cloud (Blank Online Server)
- S3 -> Google Drive (Cheaper Than Google Driver > 100 GB Simple Storage Service
- 3. ECS Elastic Container Service
- 4. ECR Elastic Container Registry (DockerHub equivalent for AWS)
- 5. SageMaker Jupyter Notebook inside AWS
- 6. EMR Distributed Computing Apache Spark
- IAM Controls access across entire AWS system (Identity and Management)



Ec2	Ecs
Rent Server For a day Pay For entire	Ecs Pay as you go
Spain-> Ronde ->	Flot -> SOK per mont
2 day -> Hotel t	To dogs
1 month 1.5 L	50/2
2) Server -> (000)	ECS -> autoscoling
Autoscoling	Λ
	Jnc no of Servers
	of Server.



Steps for Model Deployment (Platform Agnostic)

- 1. Containerize the model
- 2. Push the container to Registry
- 3. Define how to run it (CPU/memory needs, ports, environment variables, etc)
- 4. Setup Compute Platform, e.g. VM, an EC2.
- 5. Deploy and configure Network/Security.
- 6. Monitor

Same Steps in Context of AWS

- Authenticate our computer with AWS, using IAM.
- 2 Containerize and push to ECR.
- 3. Create Task Definition
- 4. Create ECS Cluster
- 5. Deploy and configure security-group.



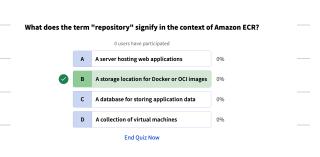
https://docs.aws.amazon.com/cli/latest/userguide/getting-started-install.html

docker build --platform=linux/amd64 -t
flask_app .

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









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





What is the primary purpose of AWS Fargate in Amazon ECS?





Leaderboard

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

A Storing and managing virtual machine images 6%

B Providing a dedicated virtual network for an AWS account

C Optimizing database queries 0%

D Enabling high-performance computing 0%

End Quiz Now



