

ĐIỆN TOÁN ĐÁM MÂY

GIỚI THIỆU ĐỀ TÀI AWS ELASTIC BEANSTALK

Thành viên nhóm:

Nguyễn Văn Đạt 16110050

Huỳnh Ngọc Sáng 18149302

Web Application

- Using Flask framework of python
- Developer web application, and integrated AI model

Using AWS services

- Elastic Beanstalk
- Virtual Private Cloud
- DynamoDB
- Load Balancers

Elastic Beanstalk

- It is a Platform as a service (Paas)
- Elastic Beanstalk is an easy-to-use service for deploying and scaling web applications
- You upload your code and Elastic Beanstalk automatically handles the deployment, from capacity provisioning, load balancing, and automatic scaling to application health monitoring.

Virtual Private Cloud (VPC)

- VPC is a virtual private network
- It is logically isolated from other virtual networks in the AWS Cloud.
- All your AWS services can be launched from a VPC.
- It is useful for protecting your data and managing who can access your network.

DynamoDB

- Amazon DynamoDB is a fully managed, serverless, key-value NoSQL database designed to run high-performance applications at any scale.
- DynamoDB offers built-in security, continuous backups, automated multi-Region replication, in-memory caching, and data import and export tools.
- Fast, flexible NoSQL database service for single-digit millisecond performance at any scale

• Load Balancers

- Application Load Balancer is best suited for load balancing of HTTP and HTTPS traffic and provides advanced request routing targeted at the delivery of modern application architectures, including microservices and containers. Operating at the individual request level (Layer 7), Application Load Balancer routes traffic to targets within Amazon Virtual Private Cloud (Amazon VPC) based on the content of the request.
- Application Load Balancer balancing is done based on the content of the uniform resource locator (URL).

THANK FOR WATCHING