Deploying a Restaurant Application to Cloud.

Project 3

DESCRIPTION

As a Cloud Architect, you are asked to deploy the restaurant application on cloud.

Background of the problem statement:

You have created a new website for the restaurant and used a public cloud for the internet facing website of the restaurant. After deploying the application on cloud, users are complaining about the reloading speed of the page. The website is getting global traffic and static assets like pages are served from a single server. Also, you need to make sure that the traffic coming to the application from different parts of the world is load balanced at DNS level.

You can use either Azure or AWS platforms to design the solution using IaaS OR PaaS.

You must use the following tools:

- AWS: Route 53, S3 Bucket, CloudFront, EC2
- Azure: Azure App Service, CDN, DNS, Azure VM, Azure Traffic Manager

You have been asked to:

1. Suggest an appropriate solution so that your company can make use of the cloud while keeping the requirements mentioned above for your company in mind
2. Provide an approach to:

a. Govern all the resources being used for development, testing, and production of the company's website

b. Keep a separate track of the billing life cycle and cost management of all the services being used for hosting the company's website on Cloud

1. Upload all static content of your web site to cloud
2. Create a CDN endpoint and configure it to serve the static files you have uploaded
3. Use storage service and upload files for your teammates to share
4. Connect a Windows or Linux VM to the Storage service

You can download the code files from here - ⬇