You work as an Azure professional for a Corporation. You are assigned the task of implementing the below architecture for the company's website.

There are three web pages to be deployed:

- 1. The home page is the default page (VM2)
- 2. The upload page is where you can upload the files to your Azure Blob Storage (VM1)
- 3. The error page for 403 and 502 errors

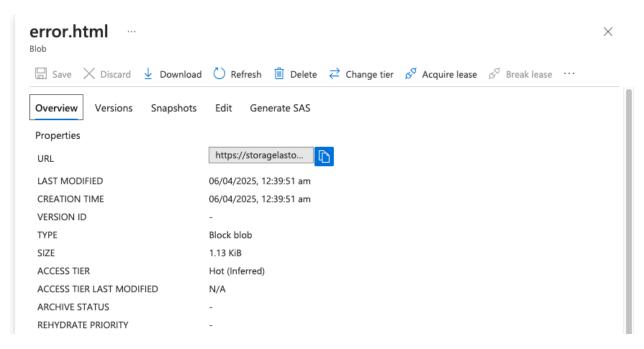
Application Gateway has to be configured in the following manner:

- 1. Example.com should be pointed to the home page
- 2. Example.com/upload should be pointed to the upload page
- 3. Application Gateway's error pages should be pointed to error.html which should be hosted as a static website in Azure Containers. The error.html file is present in the GitHub repository

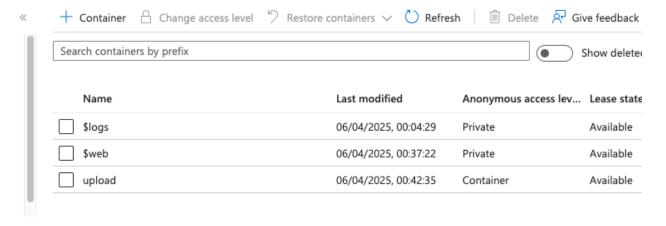
The term 'Example' here refers to the Traffic Manager's domain name. The client wants you to deploy them in the Central US and the West US regions such that the traffic is distributed optimally between both regions

Storage Account has to be configured in the following manner:

1. You need to host your error.html as a static website here, and then point the application gateway's 403 and 502 errors to it.



2. Create a container named upload, this will be used by your code to upload the files.



Technical specifications for the deployments are as follows:

1. Deployments in both regions should have VMs inside VNets.



2. Clone the GitHub repo https://github.com/azcloudberg/azproject to all the VMs.

```
Reading state information... Done
78 packages can be upgraded. Run 'apt list --upgradable' to see them.
[azureuser@VM-1-westus:~$ git clone https://github.com/azcloudberg/azproject.git
Cloning into 'azproject'...
remote: Enumerating objects: 229, done.
remote: Counting objects: 100% (26/26), done.
remote: Compressing objects: 100% (12/12), done.
```

- 3. On VM1, please run vm1.sh this will deploy the upload page, on VM2 please run VM2.sh, this will install the home page.
- 4. For running the scripts, please run the following command inside the GitHub directory from the terminal.

VM1: ./vm1.sh

VM2: ./vm2.sh

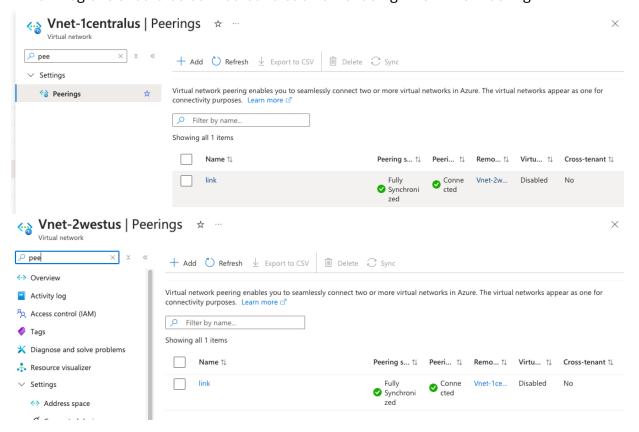
5. After running the scripts, please edit the config.py file on VM1, and enter the details related to your storage account where the files will be uploaded.

```
[azureuser@VM-1-westus:~/azproject$ ls
README.md app.py config.py error.html index.html templates vm1.sh
[azureuser@VM-1-westus:~/azproject$ sudo nano config.py
[azureuser@VM-1-westus:~/azproject$ ./vm1.sh
Rules updated
Rules updated
Rules updated (v6)
Hit:1 http://azure.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://azure.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://azure.archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 http://azure.archive.ubuntu.com/ubuntu focal-security InRelease
```

6. Once done, please run the following command: sudo python3 app.py

```
error.ntml index.ntml
ject$ sudo python3 app.py
    Serving Flask app 'app'
 * Debug mode: off
 * Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:80
* Running on http://20.1.0.5:80
                    [05/Apr/2025 20:31:58] "GET /
[05/Apr/2025 20:31:58] "GET /
[05/Apr/2025 20:32:28] "GET /
20.1.1.6 -
                                                                     HTTP/1.1" 200
20.1.1.7
                                                                     HTTP/1.1" 200
                                                                     HTTP/1.1" 200
HTTP/1.1" 200
20.1.1.6 -
                    [05/Apr/2025 20:32:28] "GET
[05/Apr/2025 20:32:58] "GET
[05/Apr/2025 20:32:58] "GET
20.1.1.7 -
                                                                     HTTP/1.1" 200
20.1.1.6
                                                                     HTTP/1.1" 200
20.1.1.7
                     [05/Apr/2025 20:33:28]
                                                                     HTTP/1.1"
                     [05/Apr/2025 20:33:28]
                                                          "GET
                                                                     HTTP/1.1"
                     [05/Apr/2025 20:33:58]
                                                         "GET
                                                                     HTTP/1.1" 200
HTTP/1.1" 200
                     [05/Apr/2025 20:33:58]
[05/Apr/2025 20:34:28]
                                                         "GET
                    [05/Apr/2025 20:34:28]
5 - - [05/Apr/2025 20:34
                                                                     HTTP/1.1"
```

7. Both regions should be connected to each other using VNet-VNet Peering.

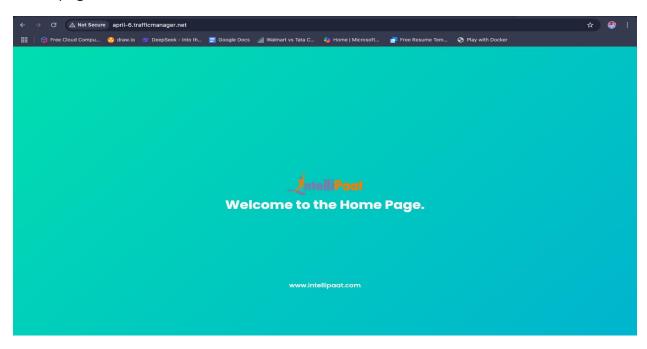


8. Finally, your Traffic Manager should be pointing to the application gateway of

both the regions.

Name ↑↓	Status ↑↓	Monitor Status ↑↓	Type ↑↓	Location ↑↓
ep-1	Enabled	Online	Azure endpoint	Central US
ep-2	Enabled	Online	Azure endpoint	West US

Home page



Upload page

