

Lab 3: Blob Storage, Website Hosting & cloud witness.

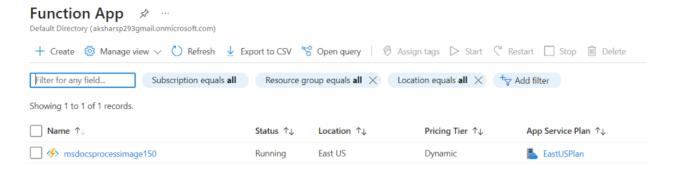
Akshar Panchani ID- 202101522 IT457 Cloud Computing 2/18/24



1. Complete the following tutorial about pictures and blob storage:

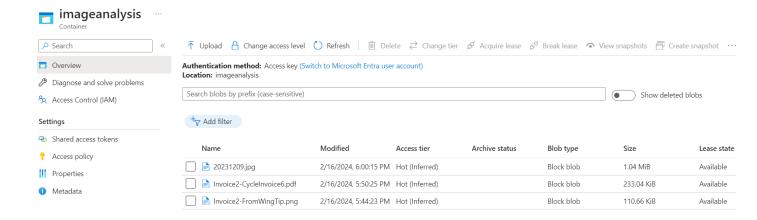
Environment Variables: -

Function App Published: -

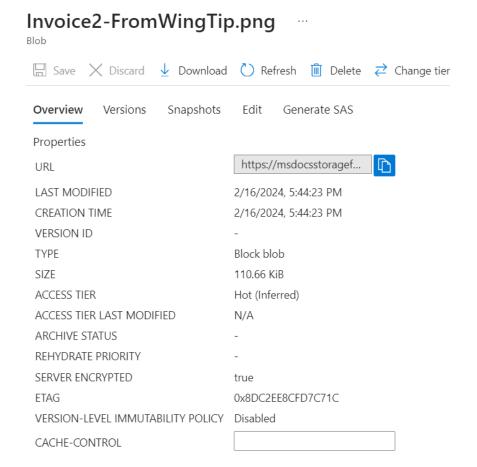


Container and its contents: -

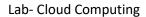




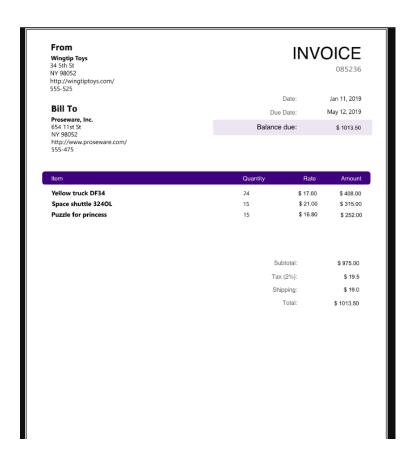
Overview: -

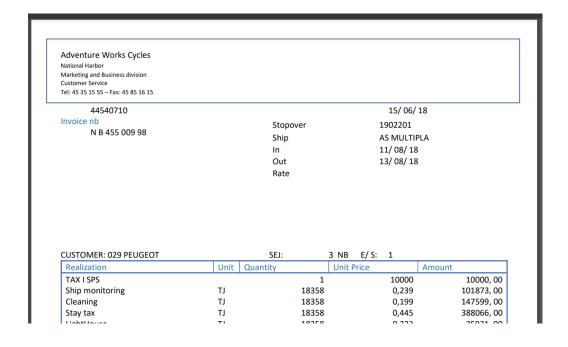


Outputs of contents stored in blob storage: -







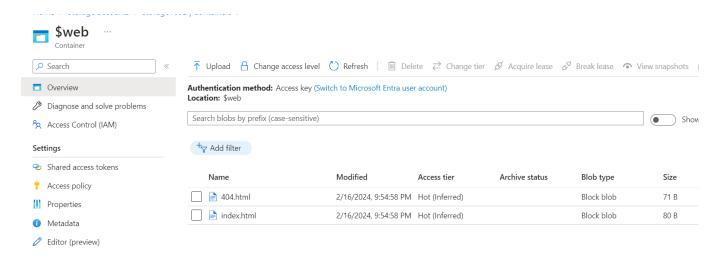






2. Complete the following tutorial about static content website hosting:

Container:



Codes:



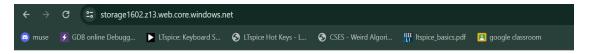
```
♦ index.html ×

    index.html > 
    html
    htm

◆ 404.html

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                                                                                                             <h1>Hello World!</h1>
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```

Output:



Hello World!

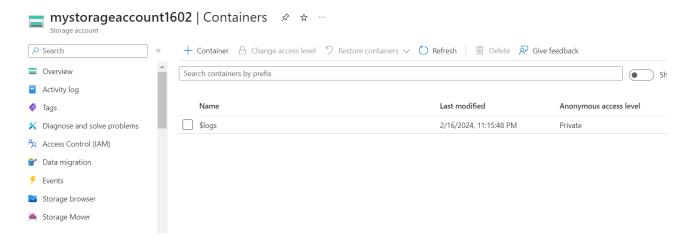


404

3. Complete following tutorial for designing application with high availability

Initially: -



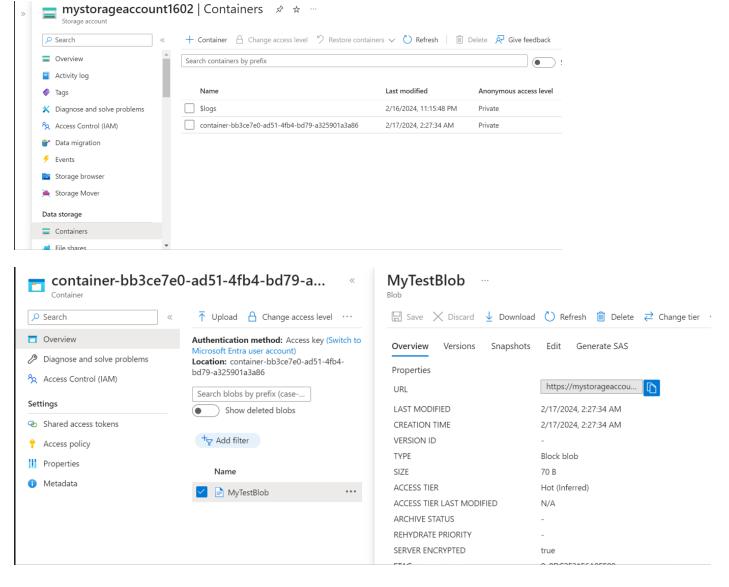


Result after running code from V-12 in Visual studio: -

```
Azure Storage redundancy sample
Creating container
Request sent to primary region endpoint
Request sent to primary region endpoint
Created container container-bb3ce7e0-ad51-4fb4-bd79-a325901a3a86
Uploading blob: MyTestBlob
Request sent to primary region endpoint
Checking secondary region endpoint to see if the blob has replicated
Attempt 1 to see if the blob has replicated
Blob has replicated to secondary region
Press any key to download the blob - Esc to exit
Downloading blob MyTestBlob:
Request sent to primary region endpoint
Response status: 200 (OK)
Blob data: If at first you don't succeed, hopefully you have a good retry policy.
Press any key to download the blob again - Esc to exit
```

Blob spread to a secondary location, resulting in increased availability.



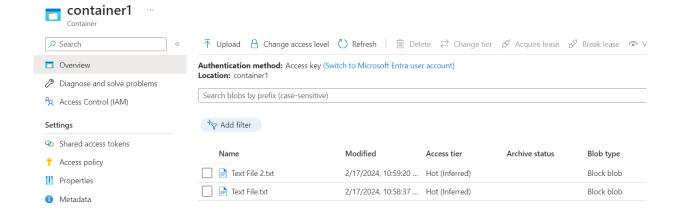


4. Complete the tutorial to add role assignment to blobs:

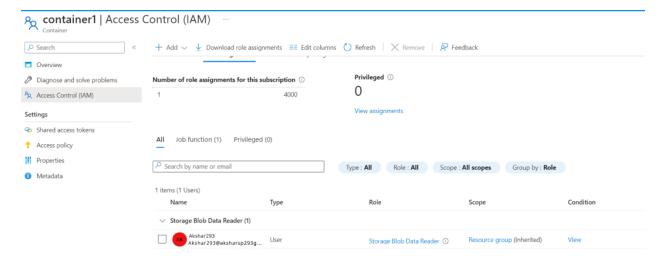
Two text files with distinct tags in blob storage: -







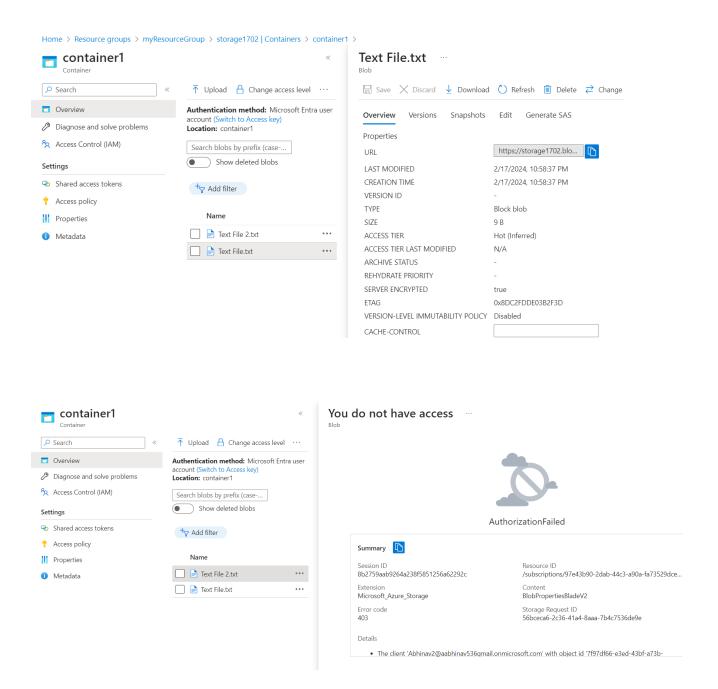
Assigning Role of storage blob data reader: -



Result:

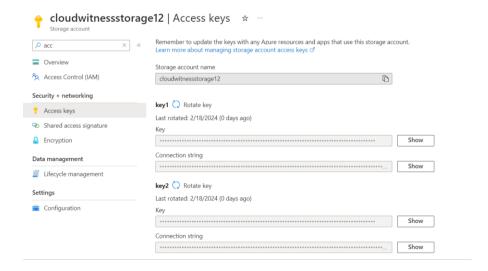
When a user is assigned a storage blob read role, they may access files with that tag; files with other tags cannot be accessed.



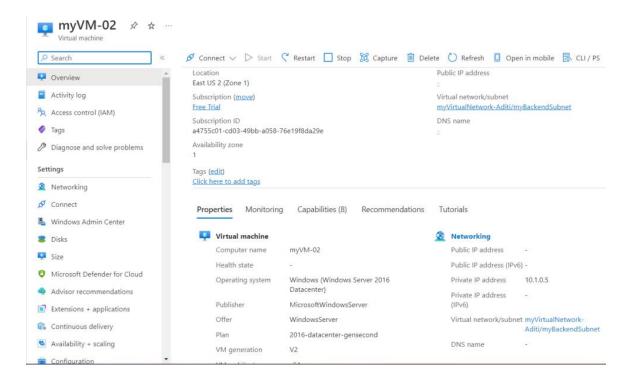


5. Complete the tutorial to deploy cloud witness: -Access Keys:





VM:





Cloud Witness:

