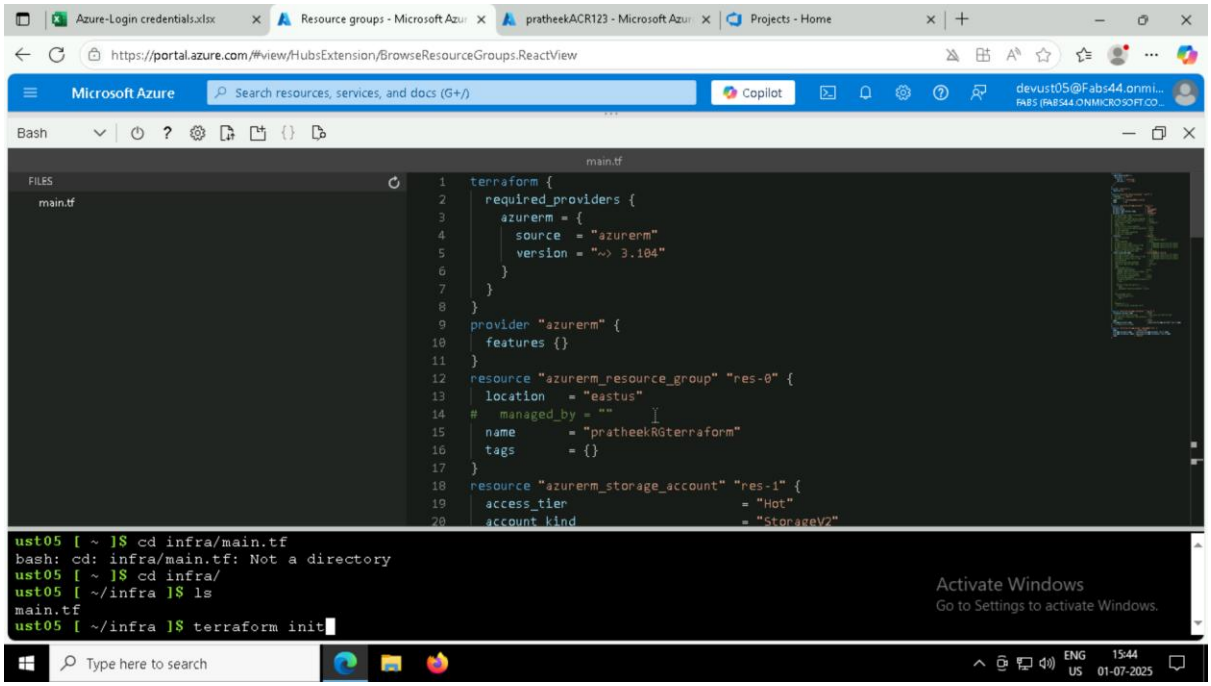
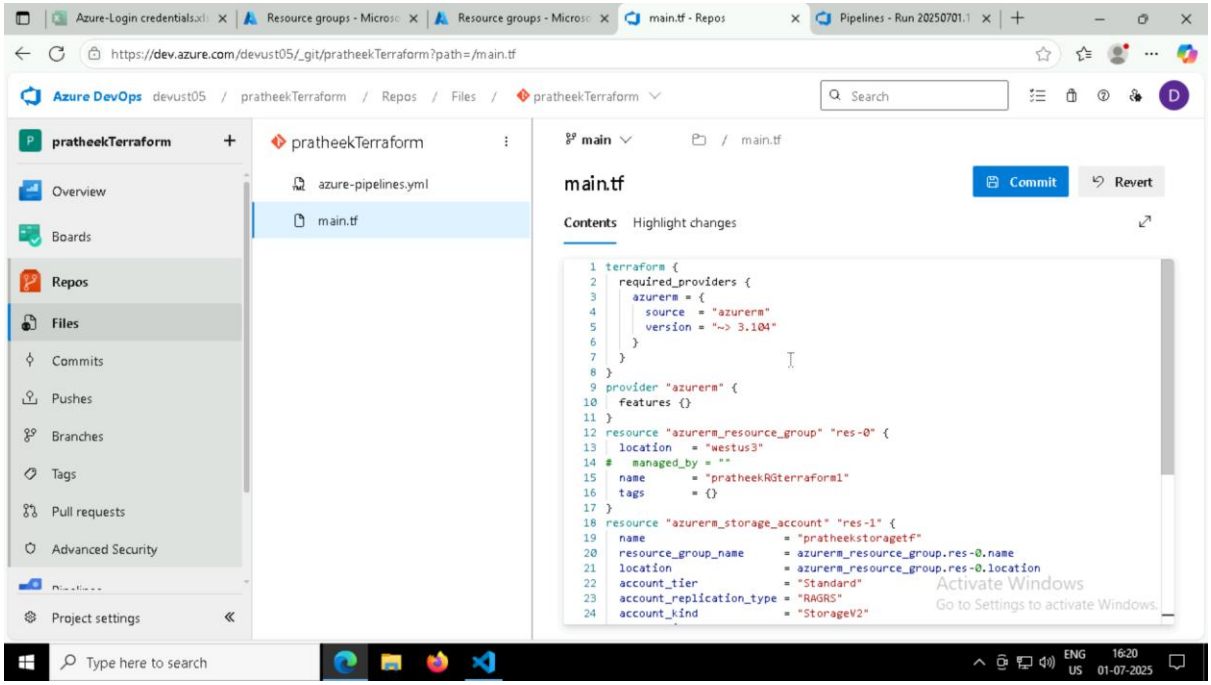
Pratheek U B
289226

CLOUD TRAINING - AZURE FINAL EXAMINATION PART 02

Initializing terraform and provider

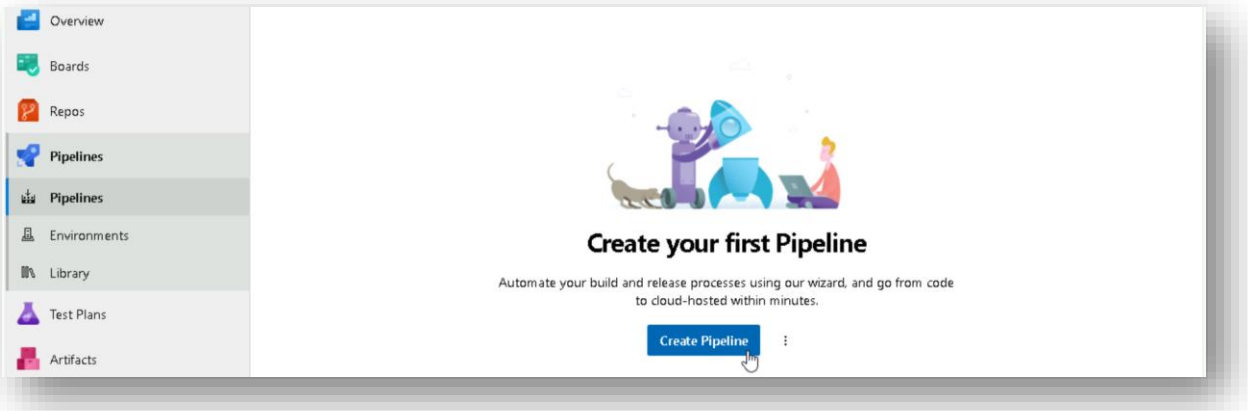


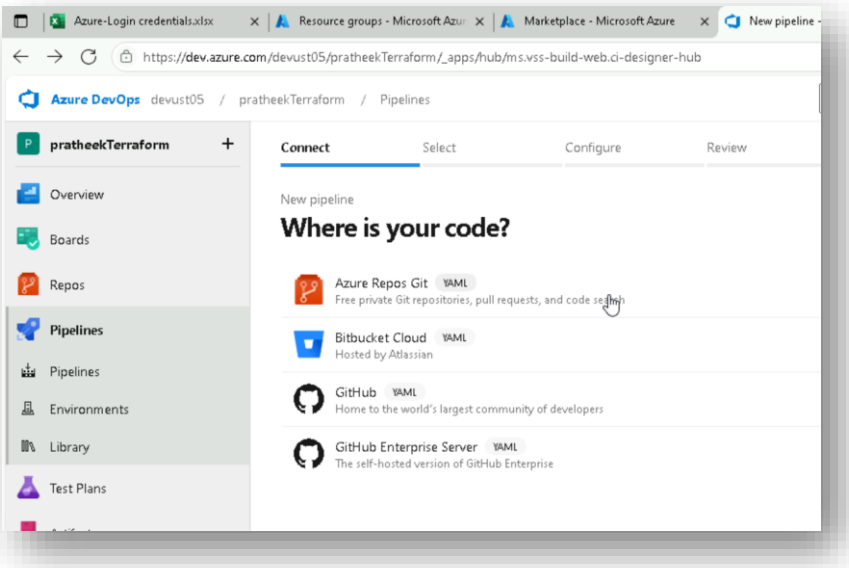
AZURE REPO:

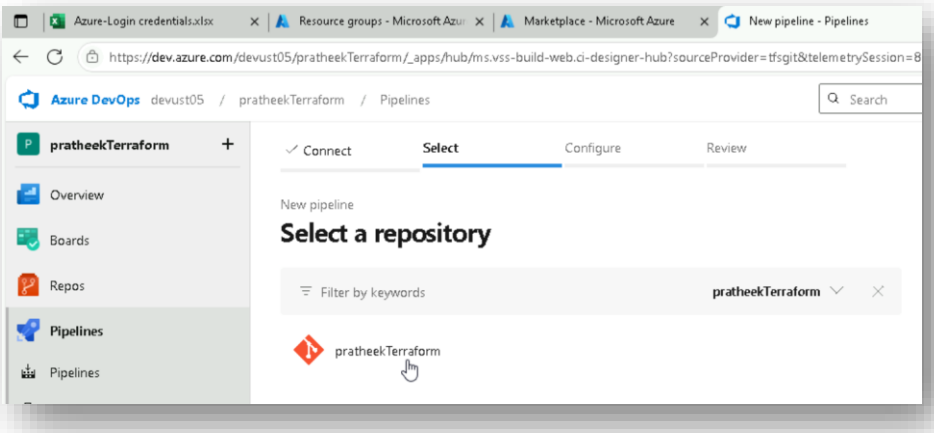


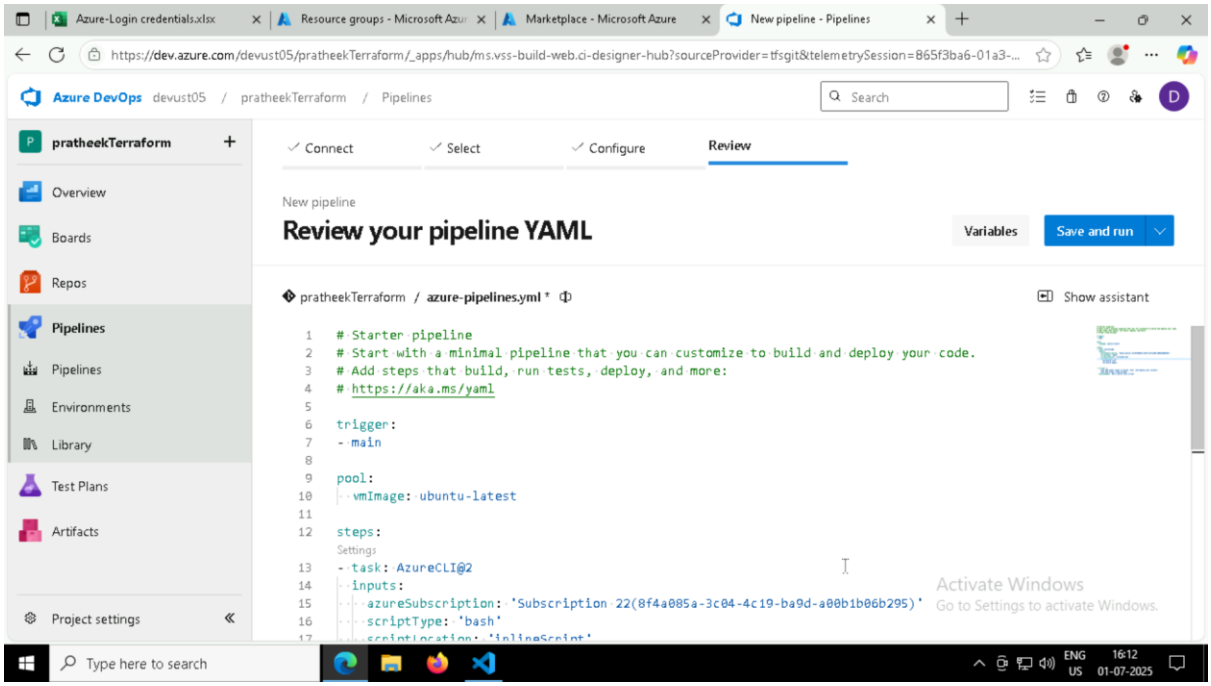
Pratheek U B
289226

CREATING AZURE PIPELINE TO RUN TERRAFORM SCRIPT:

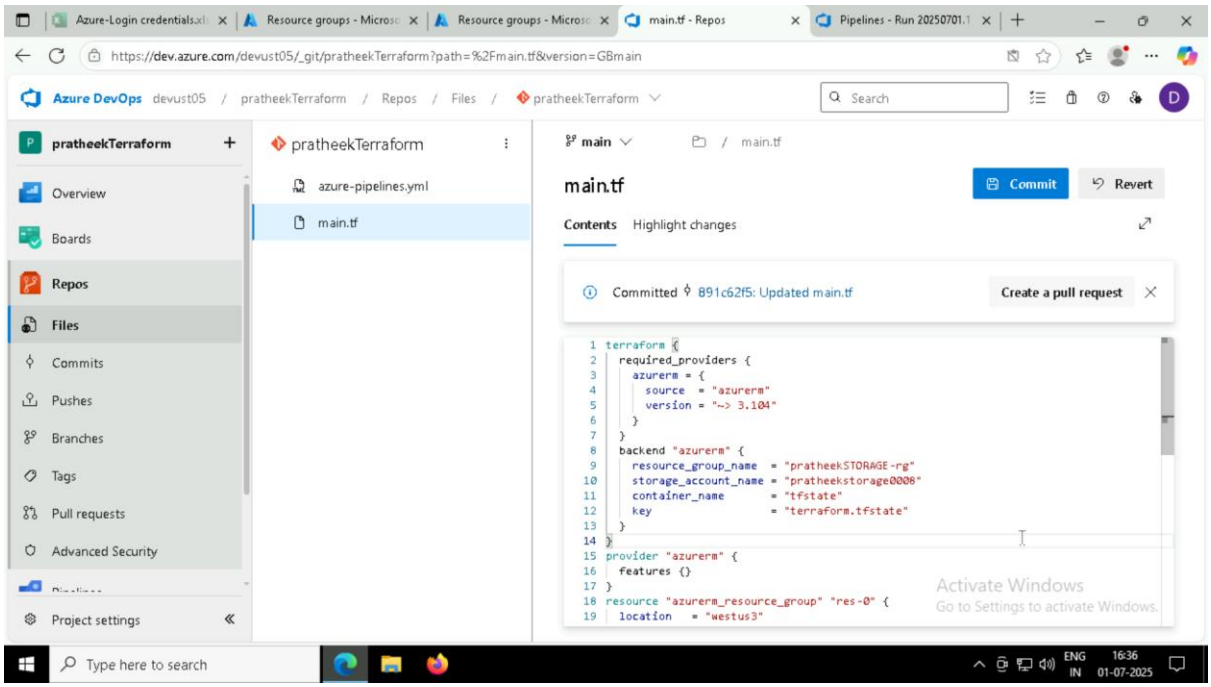


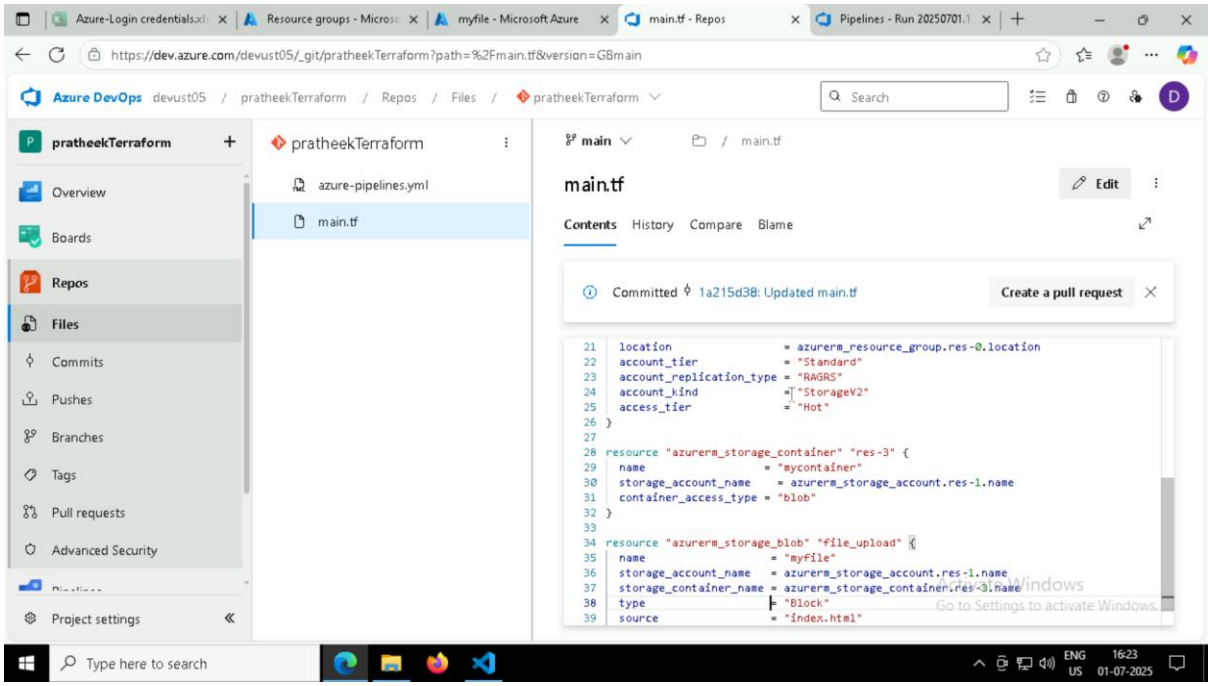




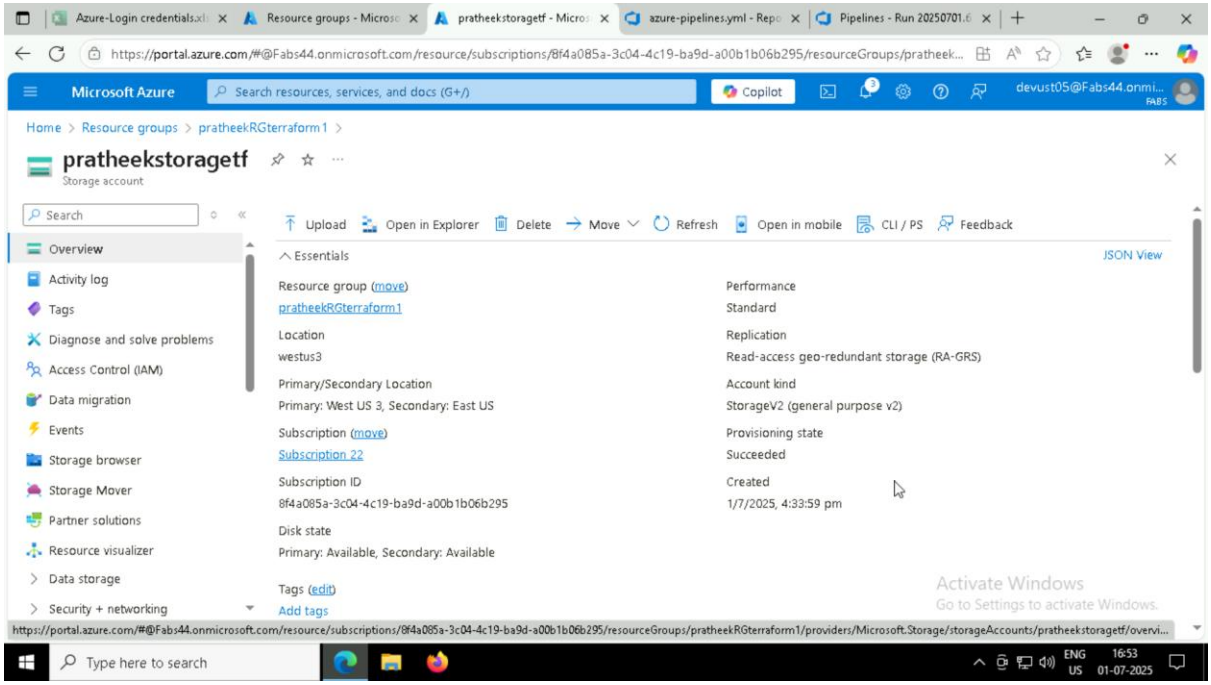


My pipeline.yml script:

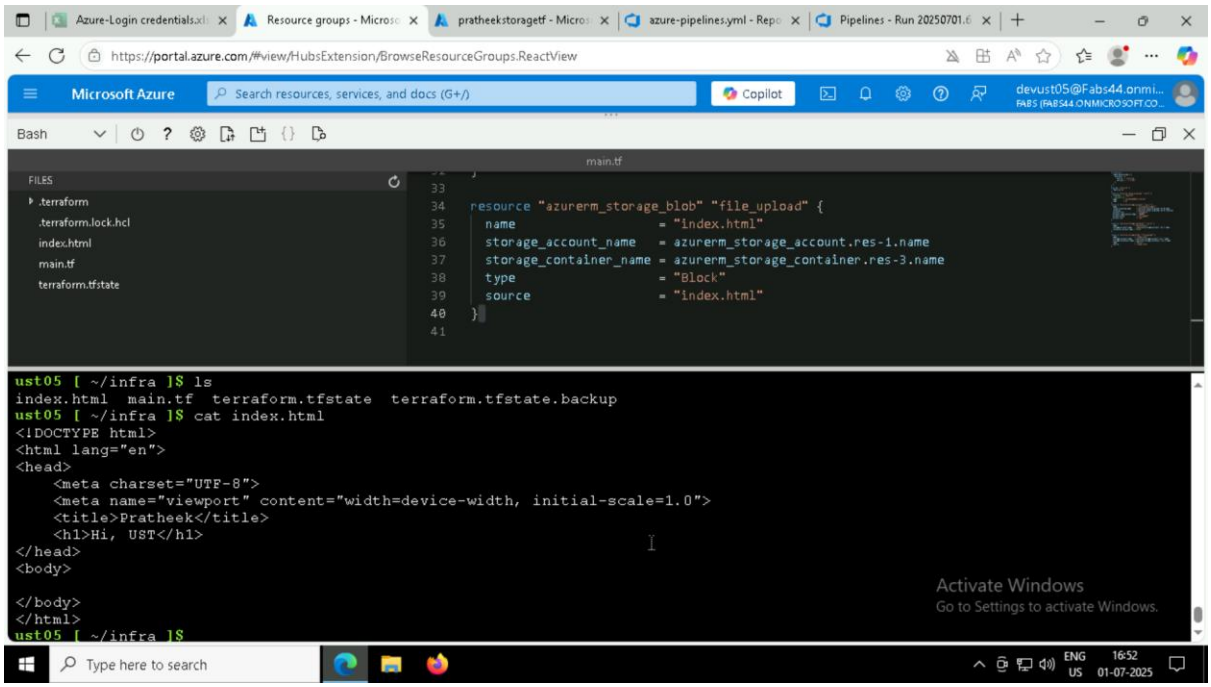




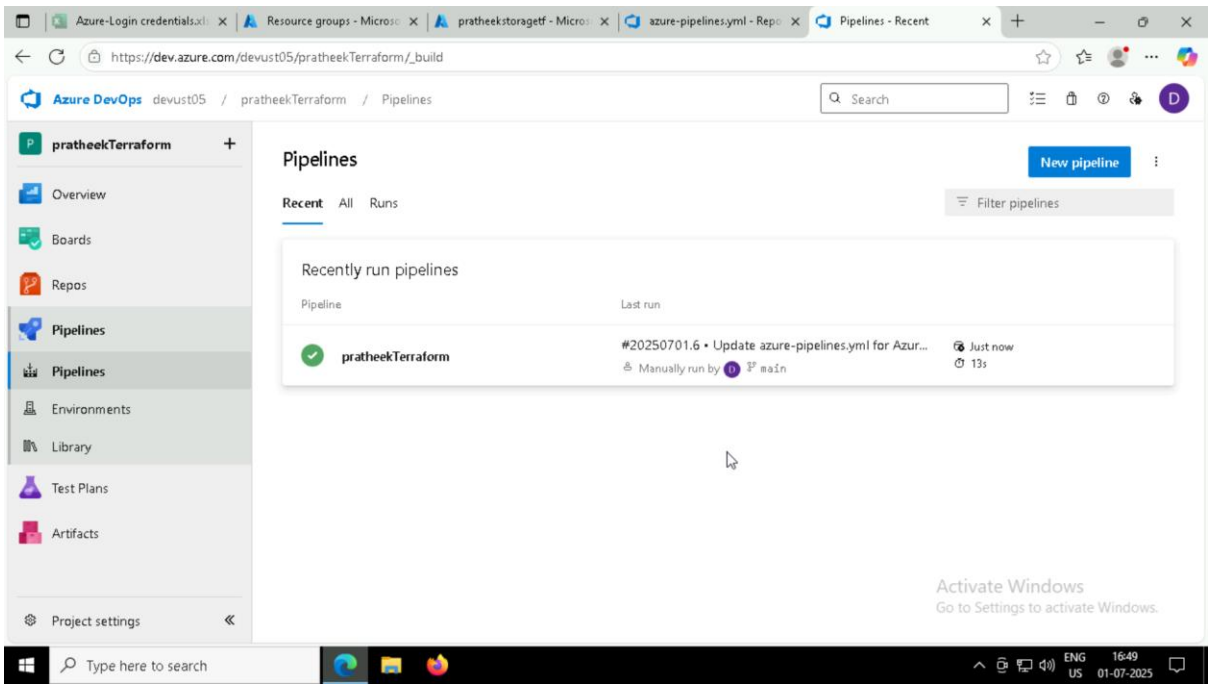
My storage account

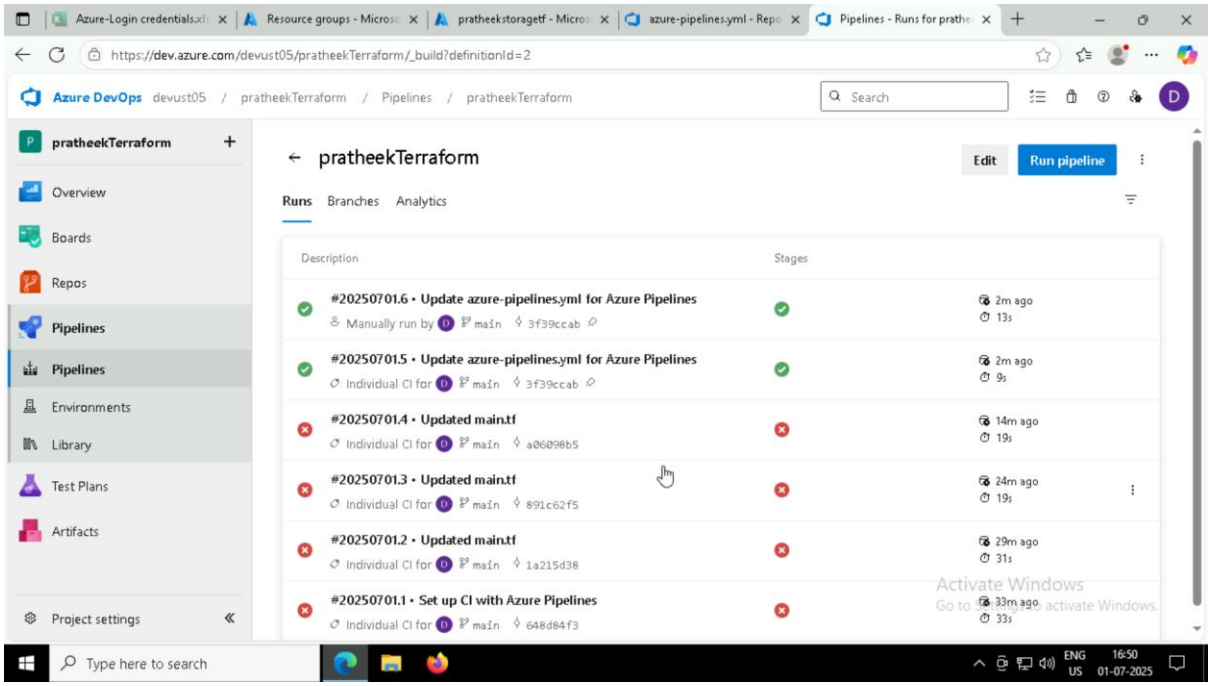


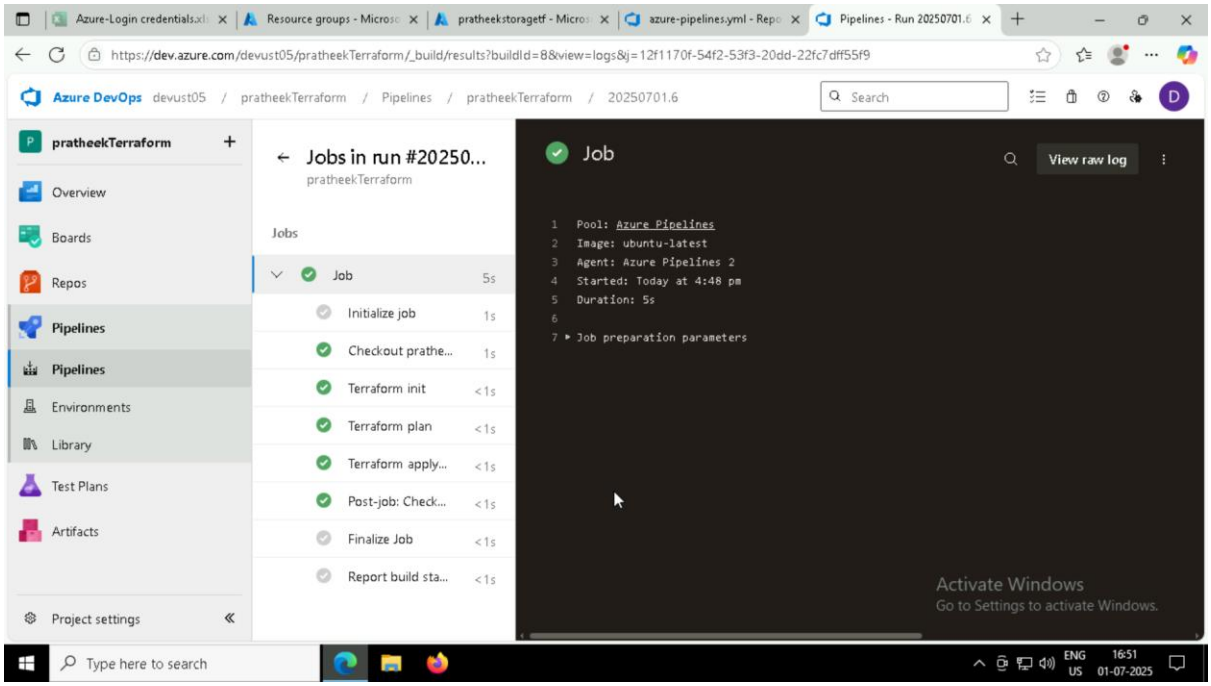
Uploading a sample blob



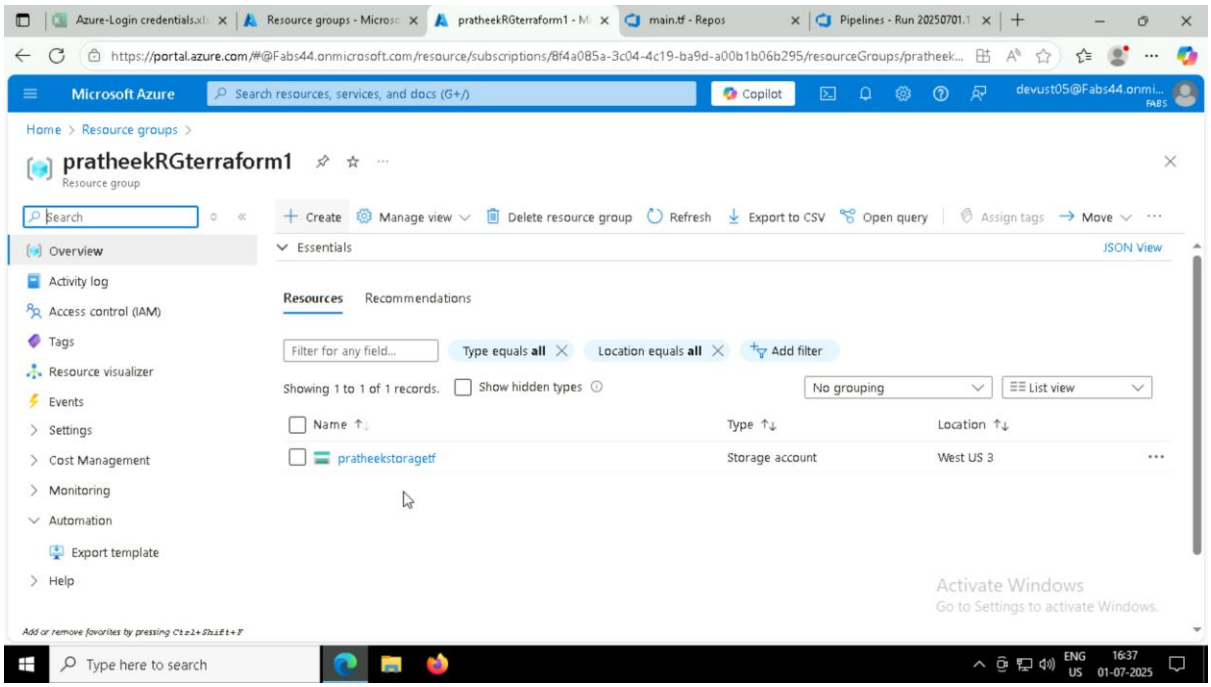
Run pipeline:

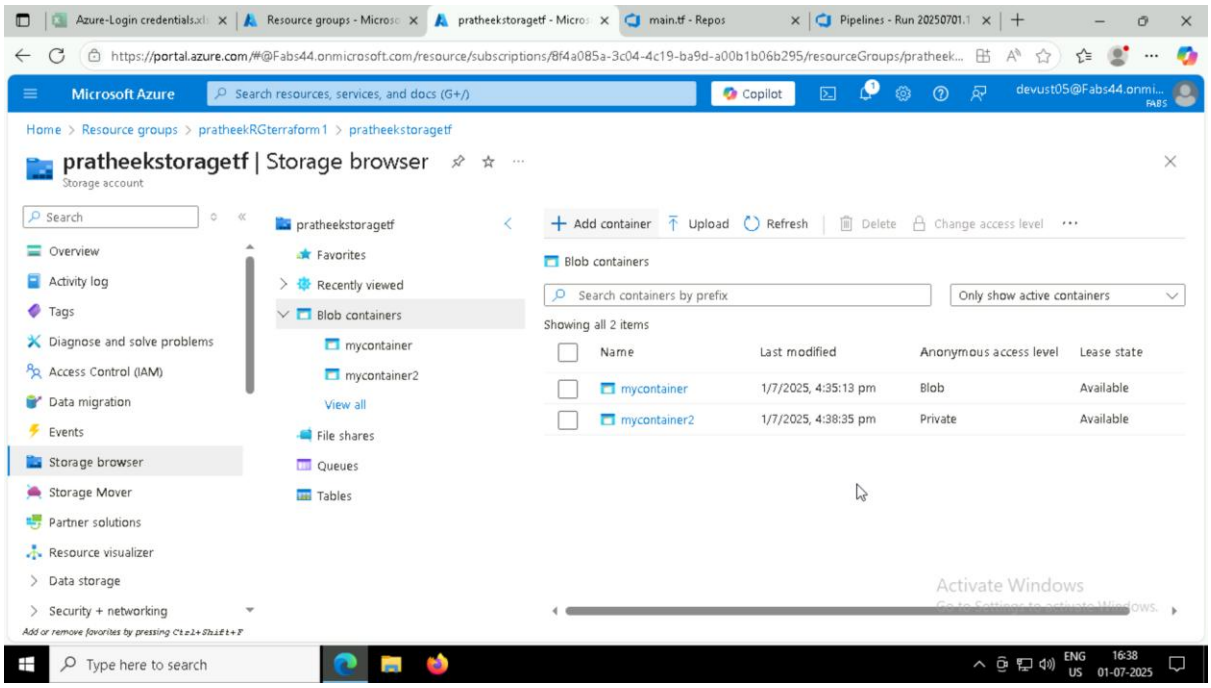



https://dev.azure.com/devust05/pratheekTerraform/_build?definitionId=2
Azure DevOps devust05 / pratheekTerraform / Pipelines / pratheekTerraform
Search
pratheekTerraform
Overview
Boards
Repos
Pipelines
Pipelines
Environments
Library
Test Plans
Artifacts
Project settings
pratheekTerraform
Edit
Run pipeline
Runs Branches Analytics
Description
Stages
#20250701.6 • Update azure-pipelines.yml for Azure Pipelines
Manually run by main 3f39ccab
2m ago
13s
#20250701.5 • Update azure-pipelines.yml for Azure Pipelines
Individual CI for main 3f39ccab
2m ago
9s
#20250701.4 • Updated main.tf
Individual CI for main a06098b5
14m ago
19s
#20250701.3 • Updated main.tf
Individual CI for main 891c62f5
24m ago
19s
#20250701.2 • Updated main.tf
Individual CI for main 1a215d38
29m ago
31s
#20250701.1 • Set up CI with Azure Pipelines
Individual CI for main 648d84f3
33m ago
33s
Activate Windows
Type here to search
ENG US
16:50
01-07-2025


https://dev.azure.com/devust05/pratheekTerraform/_build/results?buildId=8&view=logs&j=12f1170f-54f2-53f3-20dd-22fc7dff55f9
Azure DevOps devust05 / pratheekTerraform / Pipelines / pratheekTerraform / 20250701.6
Search
pratheekTerraform
Overview
Boards
Repos
Pipelines
Pipelines
Environments
Library
Test Plans
Artifacts
Project settings
Jobs in run #20250...
pratheekTerraform
Jobs
Job 5s
Initialize job 1s
Checkout prathe... 1s
Terraform init <1s
Terraform plan <1s
Terraform apply... <1s
Post-job: Check... <1s
Finalize Job <1s
Report build sta... <1s
Job
View raw log
1 Pool: Azure Pipelines
2 Image: ubuntu-latest
3 Agent: Azure Pipelines 2
4 Started: Today at 4:48 pm
5 Duration: 5s
6
7 ▸ Job preparation parameters
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG US
16:51
01-07-2025

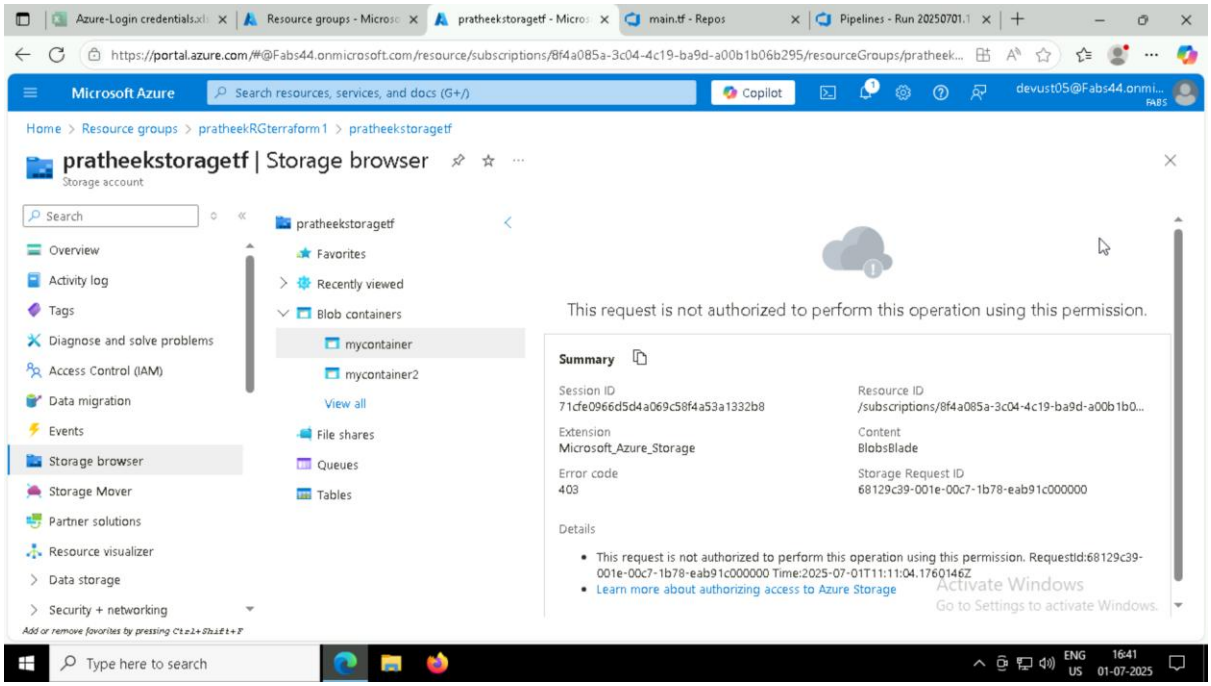
Output:



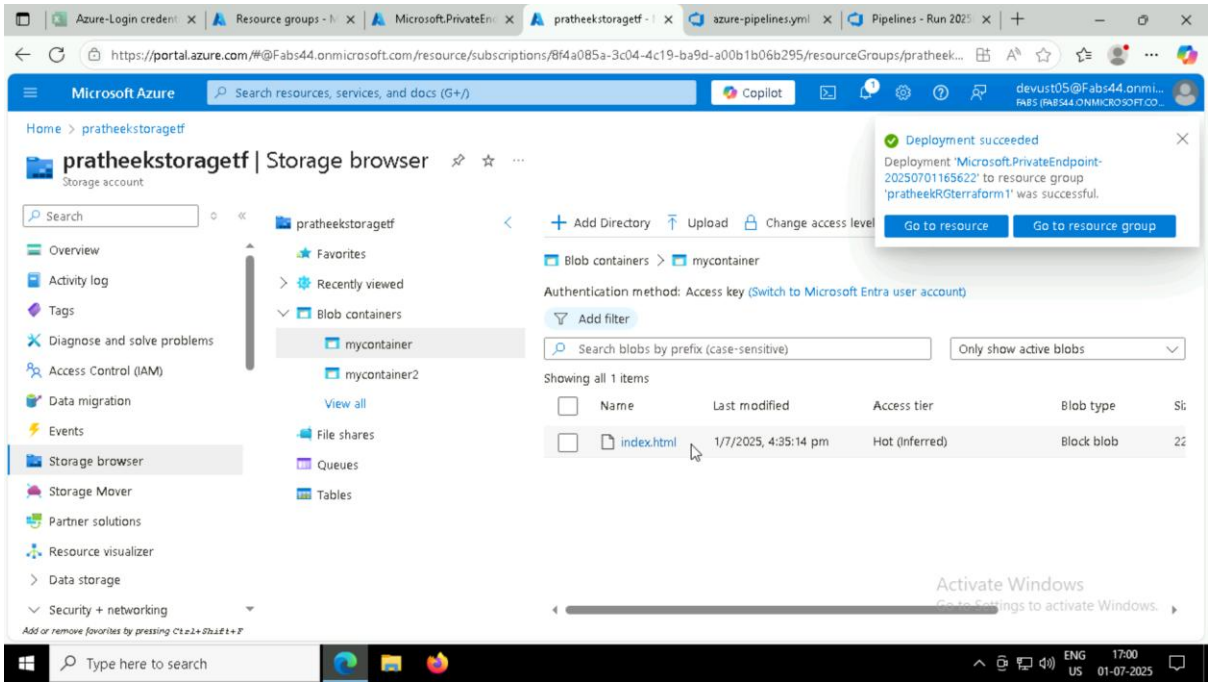


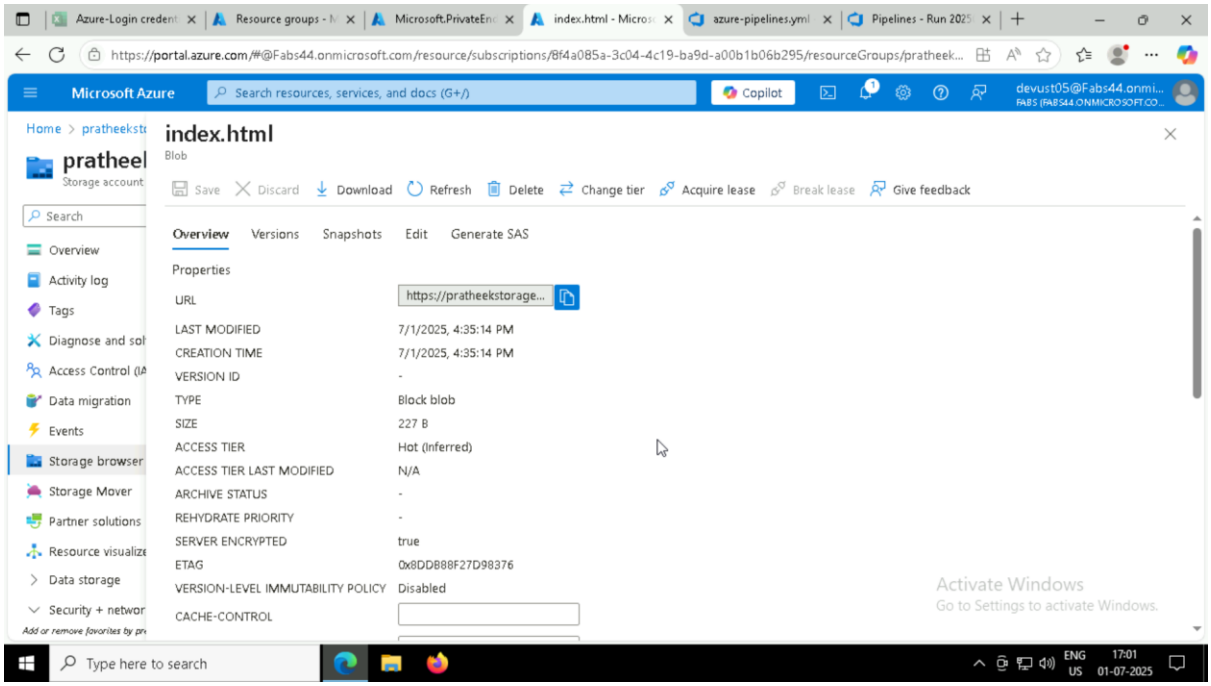
We can check, the following are created through pipeline script:

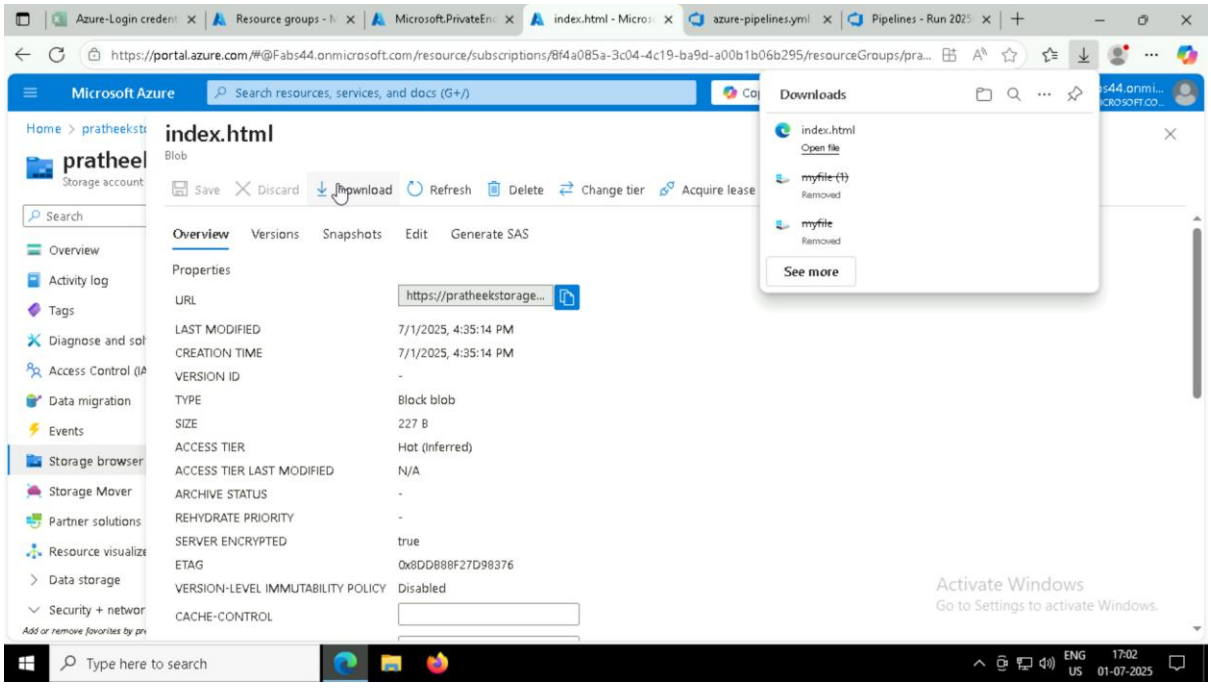
- **Resource group “pratheekRGterraform”**
- **Storage account “pratheekstoragetf”**
- **2 containers “mycontainer” & “mycontainer2” are created**
    - **Which contains blob file which was uploaded**

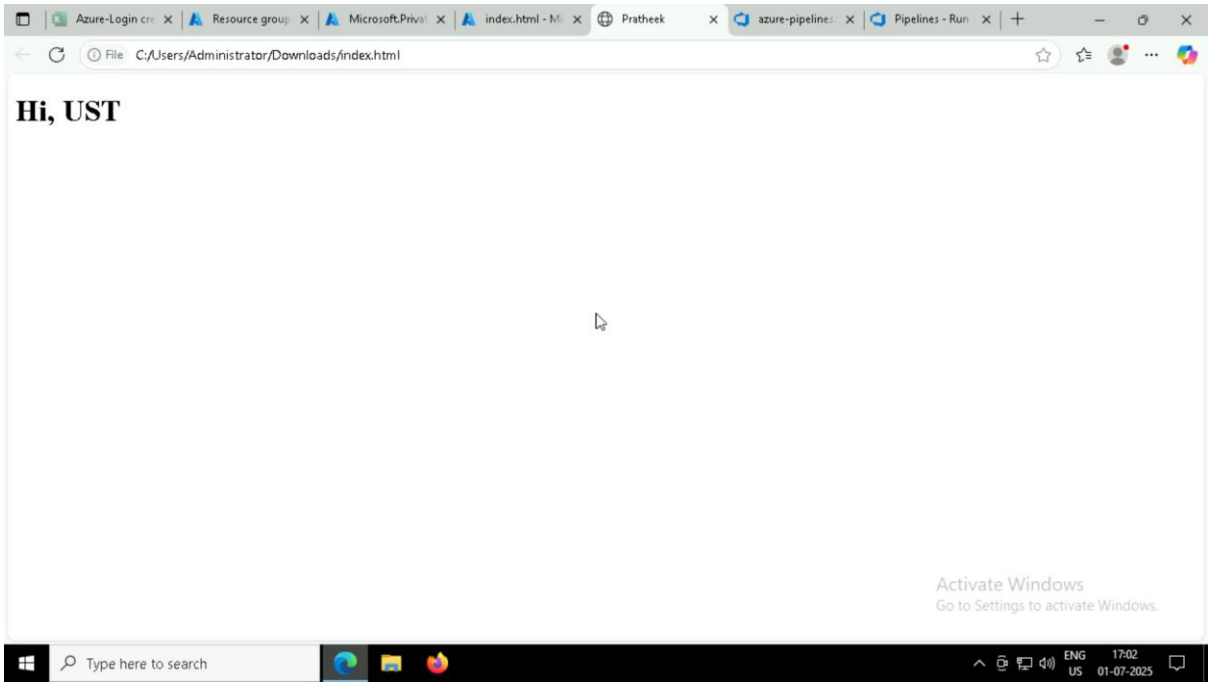


We can access the file after enabling network rules of my storage account and adding vm's public ip address:



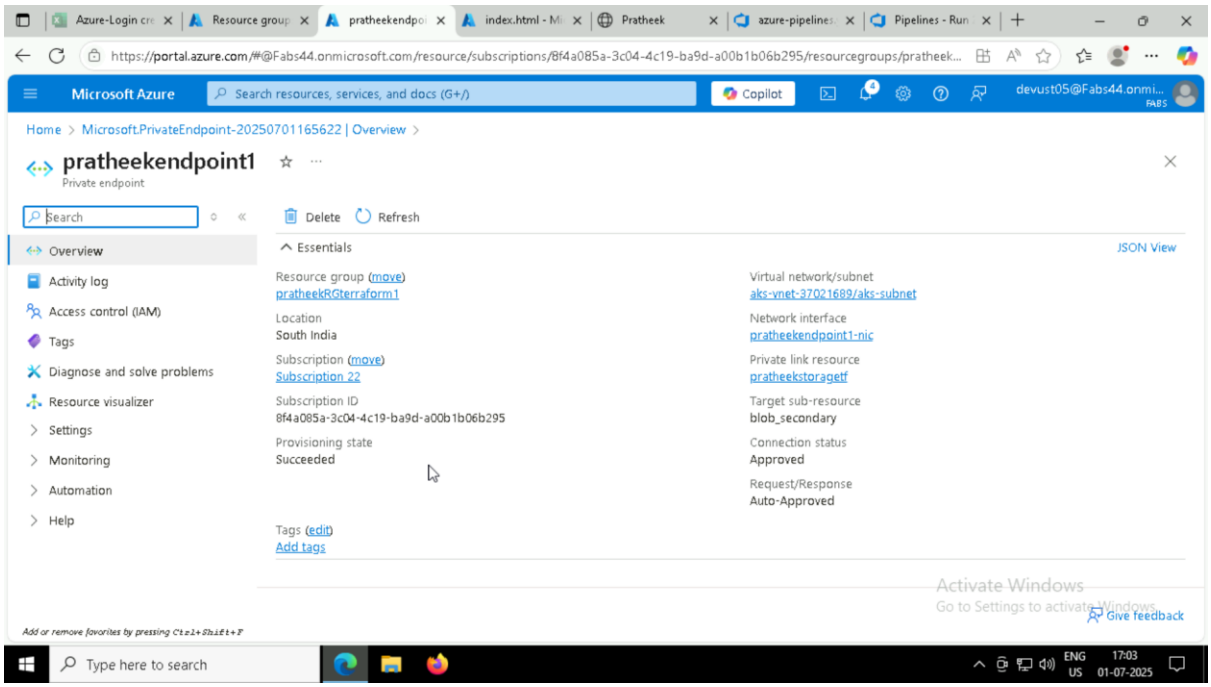

Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
devust05@Fabs44.onmi...
FABS (FABS44.ONMICROSOFT.CO...
Home > pratheekst
pratheel
Storage account
index.html
Blob
Save
Discard
Download
Refresh
Delete
Change tier
Acquire lease
Break lease
Give feedback
Search
Overview
Activity log
Tags
Diagnose and sol
Access Control (IA
Data migration
Events
Storage browser
Storage Mover
Partner solutions
Resource visualize
Data storage
Security + networ
Add or remove favorites by pr
Overview
Versions
Snapshots
Edit
Generate SAS
Properties
URL
https://pratheekstorage...
LAST MODIFIED
7/1/2025, 4:35:14 PM
CREATION TIME
7/1/2025, 4:35:14 PM
VERSION ID
-
TYPE
Block blob
SIZE
227 B
ACCESS TIER
Hot (Inferred)
ACCESS TIER LAST MODIFIED
N/A
ARCHIVE STATUS
-
REHYDRATE PRIORITY
-
SERVER ENCRYPTED
true
ETAG
0x8DDB88F27D98376
VERSION-LEVEL IMMUTABILITY POLICY
Disabled
CACHE-CONTROL
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
US
17:01
01-07-2025

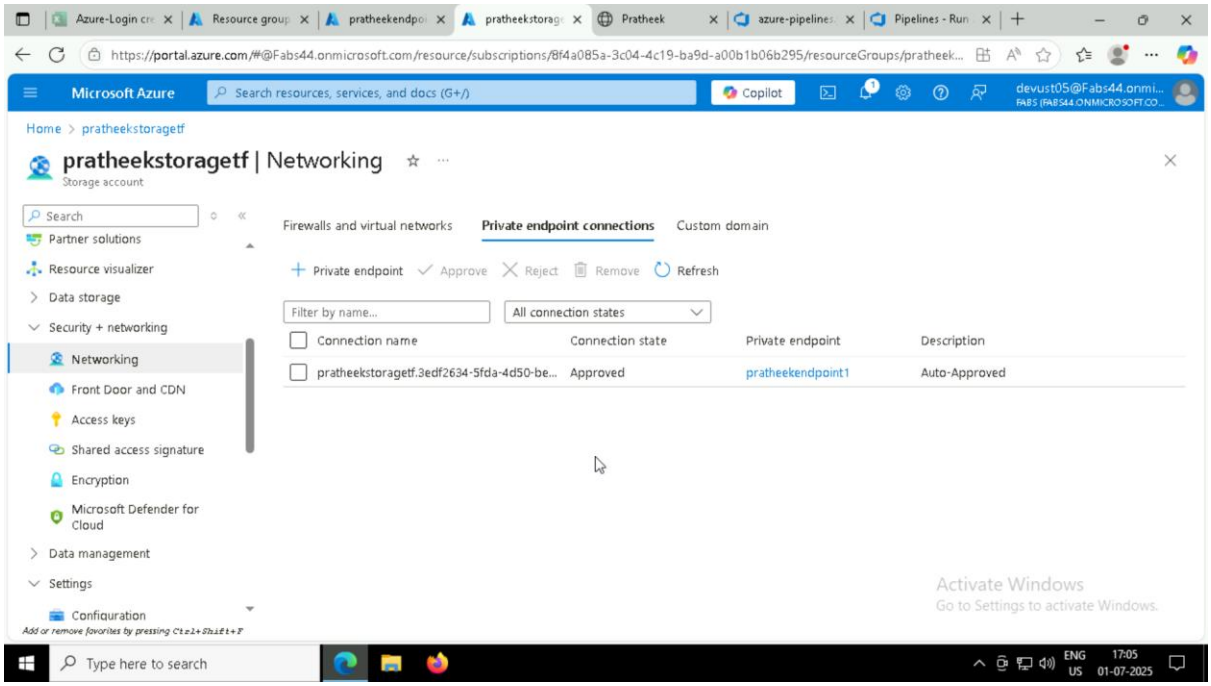
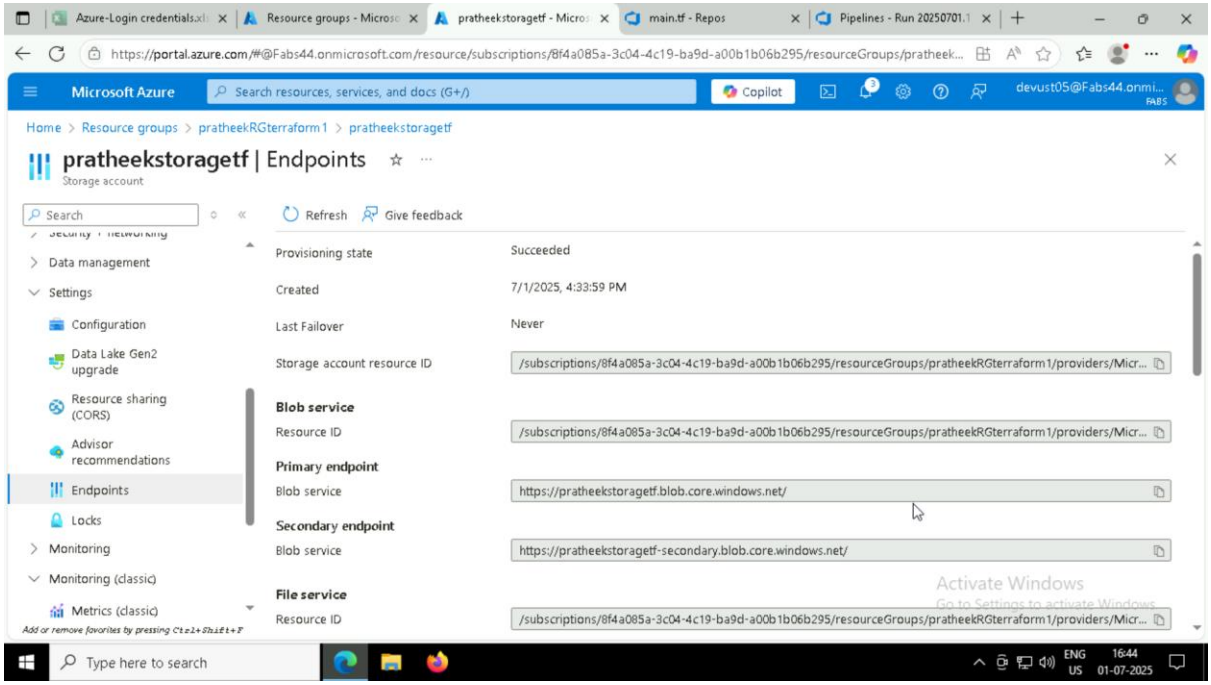

Microsoft Azure
Search resources, services, and docs (G+/)
Downloads
index.html
Open file
myfile (1)
Removed
myfile
Removed
See more
Home > pratheekst
pratheel
Storage account
index.html
Blob
Save
Discard
Download
Refresh
Delete
Change tier
Acquire lease
Search
Overview
Activity log
Tags
Diagnose and sol
Access Control (IA
Data migration
Events
Storage browser
Storage Mover
Partner solutions
Resource visualize
Data storage
Security + networ
Add or remove favorites by pr
Overview
Versions
Snapshots
Edit
Generate SAS
Properties
URL
https://pratheekstorage...
LAST MODIFIED
7/1/2025, 4:35:14 PM
CREATION TIME
7/1/2025, 4:35:14 PM
VERSION ID
-
TYPE
Block blob
SIZE
227 B
ACCESS TIER
Hot (Inferred)
ACCESS TIER LAST MODIFIED
N/A
ARCHIVE STATUS
-
REHYDRATE PRIORITY
-
SERVER ENCRYPTED
true
ETAG
0x8DDB88F27D98376
VERSION-LEVEL IMMUTABILITY POLICY
Disabled
CACHE-CONTROL
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
US
17:02
01-07-2025



(I haven't added service endpoints in my html file then, just executed a trial run)

Later created endpoints:





Storage account endpoints: