EXP NO 24. Create a Storage service using any Public Cloud Service Provider (Azure/GCP/AWS) and check the public accessibility of the stored file to demonstrate Storage as a Service.

AIM:

To Demonstrate Storage as a Service (SaaS) create and configure a new VM Image in any Public Cloud Service Provider using Azure.

Procedure:

Step 1: Log in to Azure

- Go to https://portal.azure.com and sign in.

Step 2: Create a Resource Group

- Click Resource Groups → + Create
- Name: SaaS-Storage-RG
- Select nearest Region
- Click Review + Create → Create

Step 3: Create a Storage Account

- Click Create a Resource → Storage → Storage Account
- Fill details:
    - Resource Group: SaaS-Storage-RG
    - Storage Account Name: saasdemostorage123
    - Performance: Standard, Replication: LRS
- Click Review + Create → Create

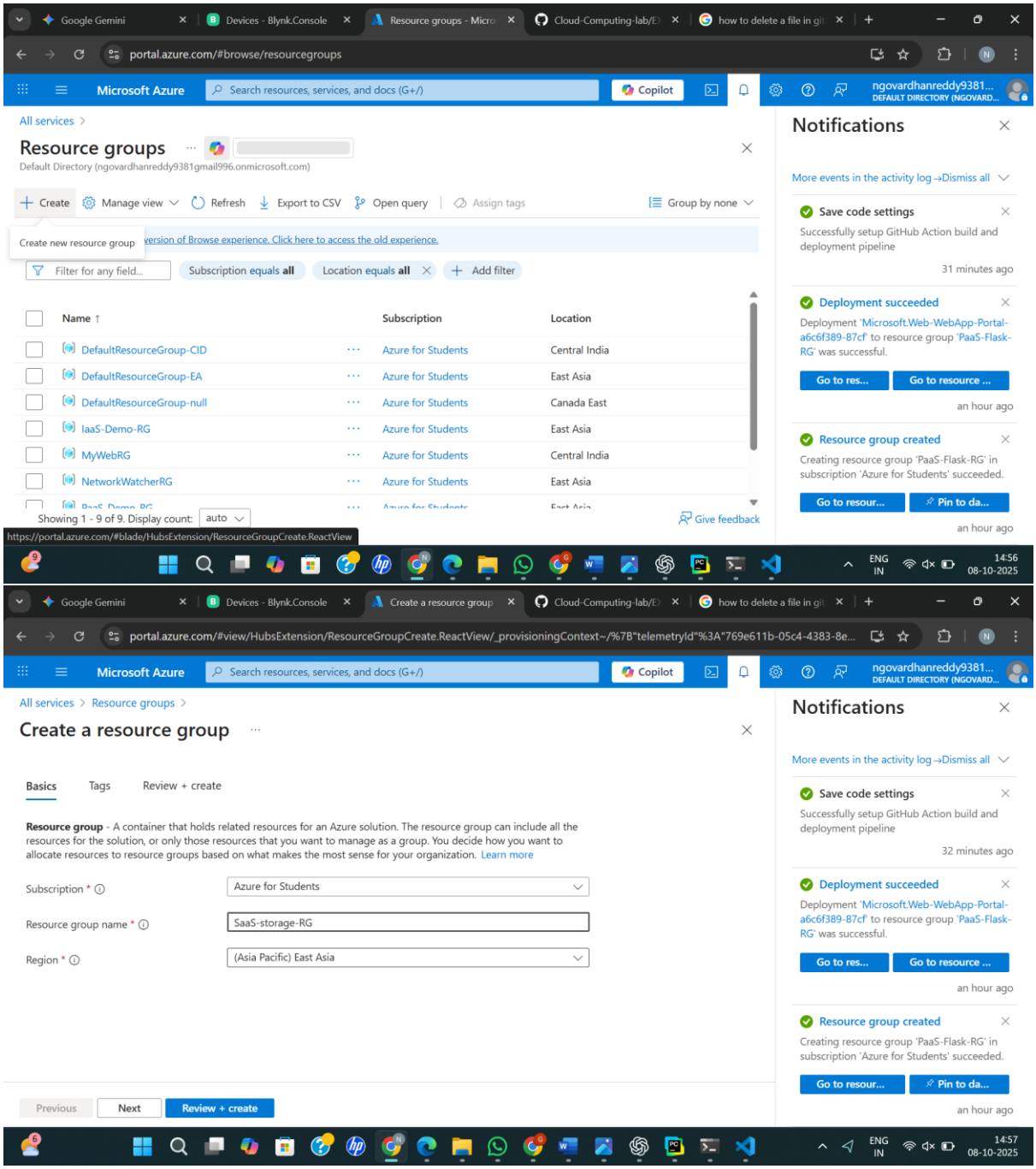
Step 4: Create Container & Upload File

- Open the storage account → Containers → + Container → Name: mycontainer
- Open mycontainer → Click Upload → Select a file

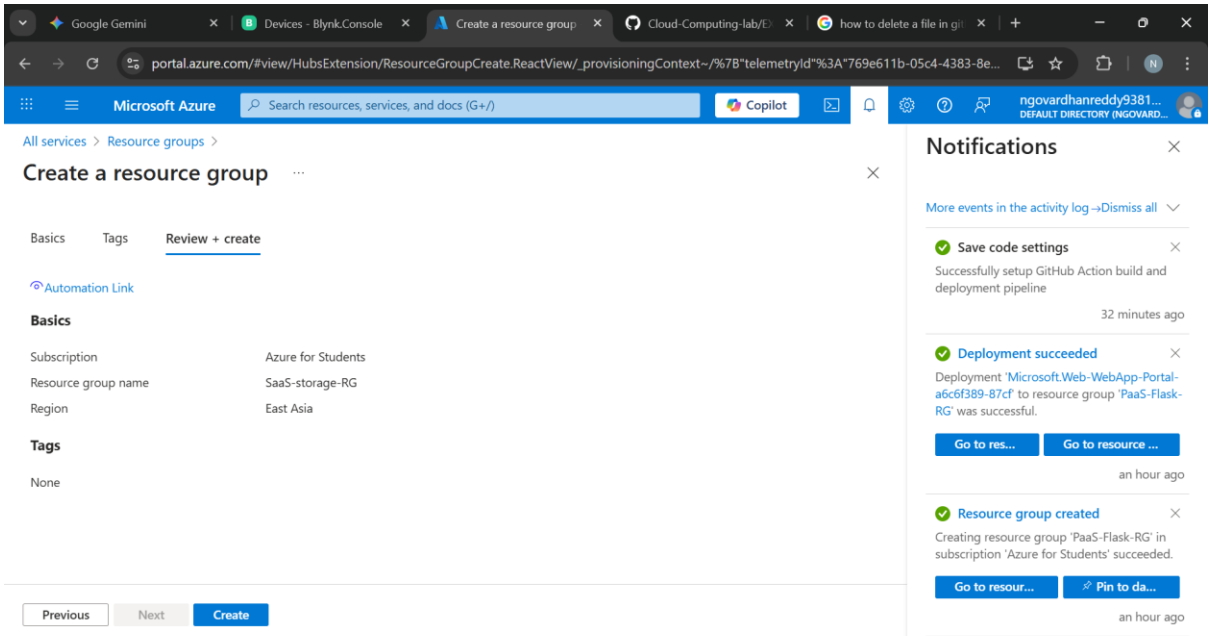
Step 5: Access File Publicly

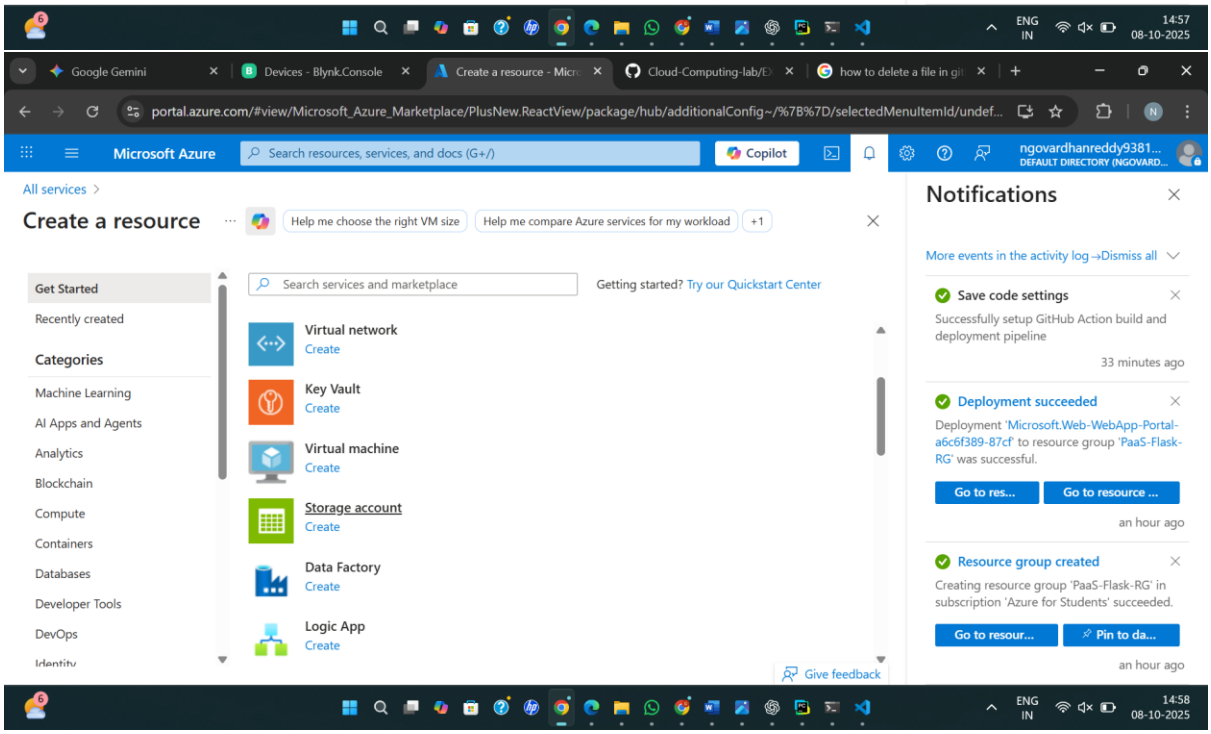
- Click the uploaded file → Generate SAS / URL
- Copy the link → Open in browser or share

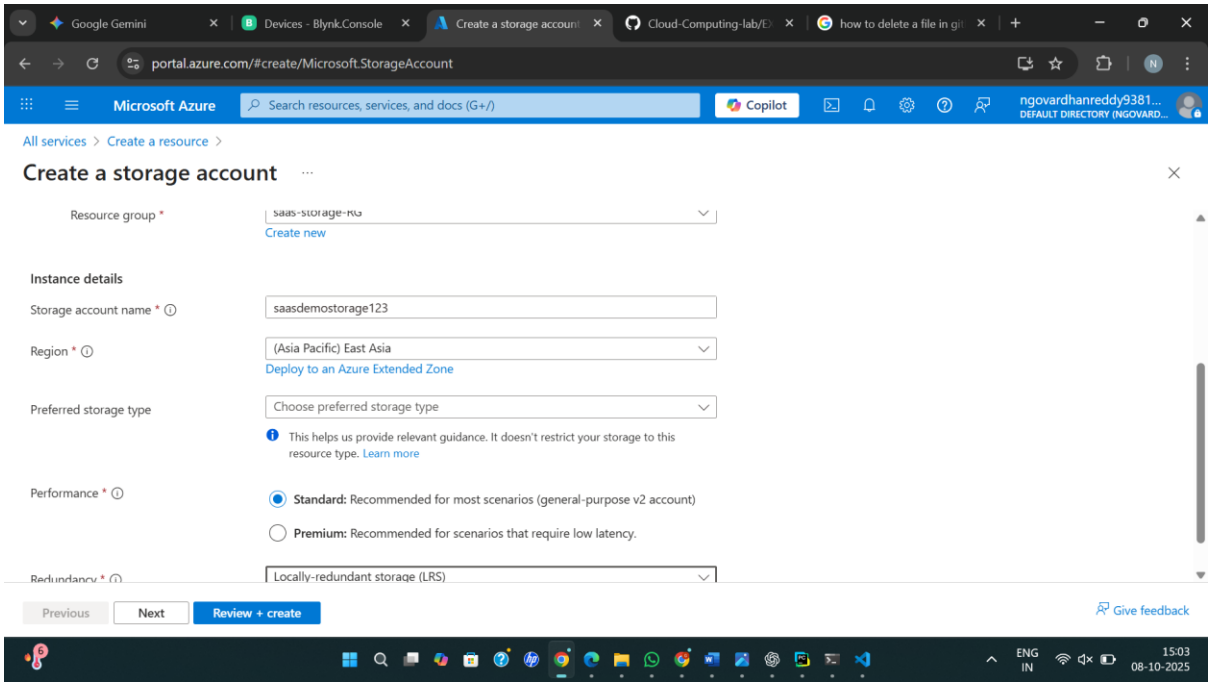
Design:

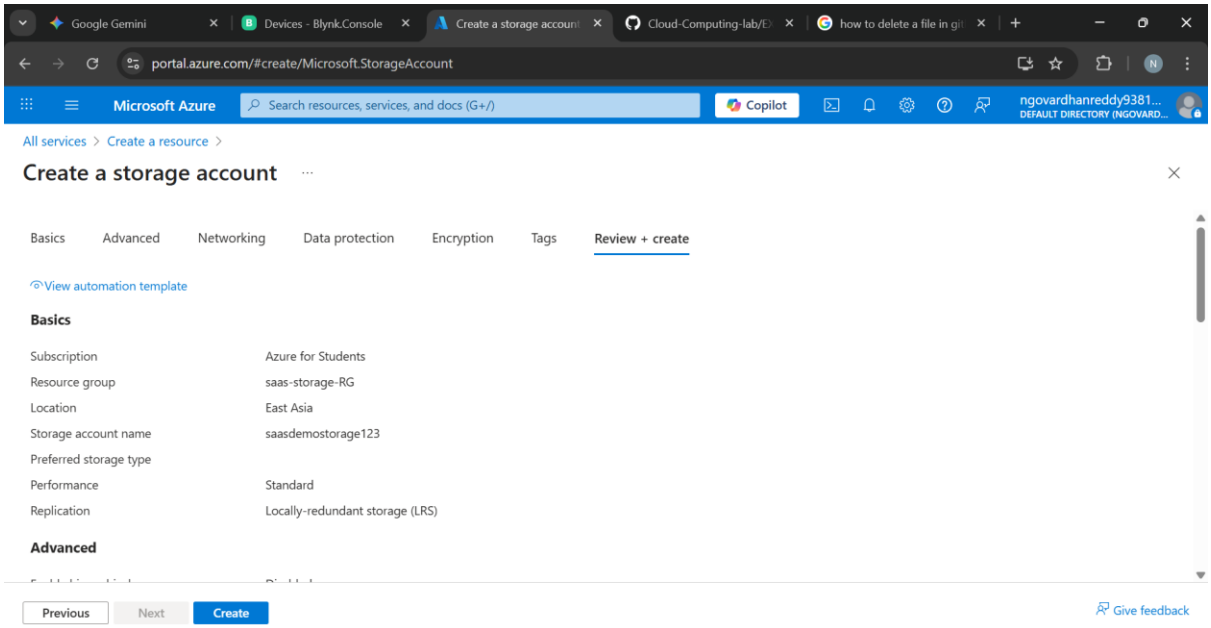

Google Gemini
Devices - Blynk.Console
Resource groups - Micro
Cloud-Computing-lab/E
how to delete a file in git
portal.azure.com/#browse/resourcegroups
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
ngovardhanreddy9381...
DEFAULT DIRECTORY (NGOVARD...
All services
Resource groups
Default Directory (ngovardhanreddy9381gmail996.onmicrosoft.com)
Create
Manage view
Refresh
Export to CSV
Open query
Assign tags
Group by none
Create new resource group
Filter for any field...
Subscription equals all
Location equals all
Add filter
Name
Subscription
Location
DefaultResourceGroup-CID
Azure for Students
Central India
DefaultResourceGroup-EA
Azure for Students
East Asia
DefaultResourceGroup-null
Azure for Students
Canada East
IaaS-Demo-RG
Azure for Students
East Asia
MyWebRG
Azure for Students
Central India
NetworkWatcherRG
Azure for Students
East Asia
Showing 1 - 9 of 9. Display count: auto
Give feedback
https://portal.azure.com/#blade/HubsExtension/ResourceGroupCreate.ReactView
Notifications
More events in the activity log → Dismiss all
Save code settings
Successfully setup GitHub Action build and deployment pipeline
31 minutes ago
Deployment succeeded
Deployment 'Microsoft.Web-WebApp-Portal-a6c6f389-87cf' to resource group 'PaaS-Flask-RG' was successful.
Go to res...
Go to resource ...
an hour ago
Resource group created
Creating resource group 'PaaS-Flask-RG' in subscription 'Azure for Students' succeeded.
Go to resour...
Pin to da...
an hour ago
ENG
IN
14:56
08-10-2025

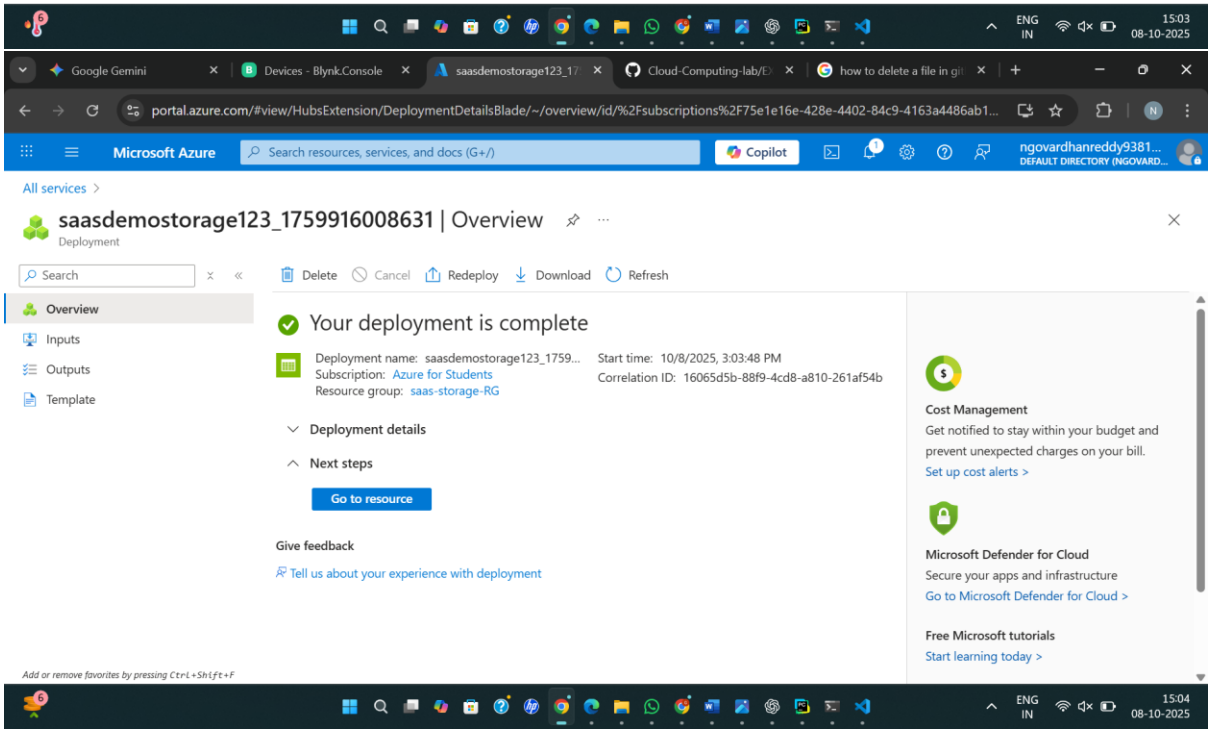
Google Gemini
Devices - Blynk.Console
Create a resource group
Cloud-Computing-lab/E
how to delete a file in git
portal.azure.com/#view/HubsExtension/ResourceGroupCreate.ReactView/_provisioningContext~/%7B"telemetryId"%3A"769e611b-05c4-4383-8e...
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
ngovardhanreddy9381...
DEFAULT DIRECTORY (NGOVARD...
All services > Resource groups >
Create a resource group
Basics
Tags
Review + create
Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. Learn more
Subscription *
Azure for Students
Resource group name *
SaaS-storage-RG
Region *
(Asia Pacific) East Asia
Previous
Next
Review + create
Notifications
More events in the activity log → Dismiss all
Save code settings
Successfully setup GitHub Action build and deployment pipeline
32 minutes ago
Deployment succeeded
Deployment 'Microsoft.Web-WebApp-Portal-a6c6f389-87cf' to resource group 'PaaS-Flask-RG' was successful.
Go to res...
Go to resource ...
an hour ago
Resource group created
Creating resource group 'PaaS-Flask-RG' in subscription 'Azure for Students' succeeded.
Go to resour...
Pin to da...
an hour ago
ENG
IN
14:57
08-10-2025

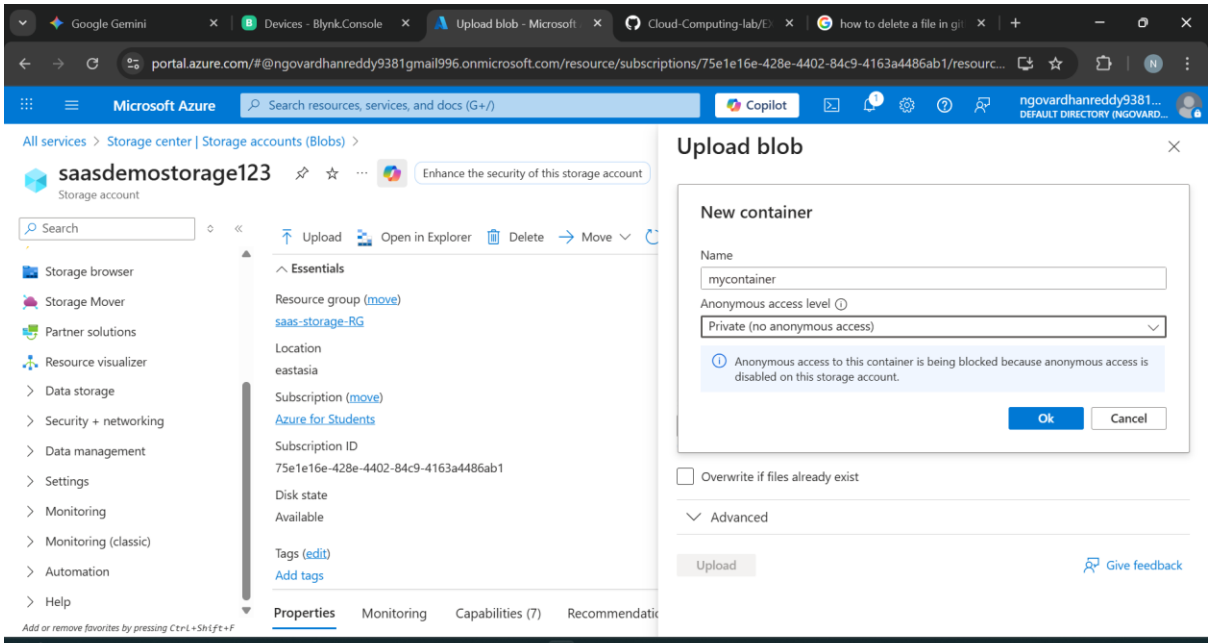

Google Gemini
Devices - Blynk.Console
Create a resource group
Cloud-Computing-lab/E
how to delete a file in git
portal.azure.com/#view/HubsExtension/ResourceGroupCreate.ReactView/_provisioningContext~/%7B"telemetryId"%3A"769e611b-05c4-4383-8e...
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
ngovardhanreddy9381...
DEFAULT DIRECTORY (NGOVARD...
All services > Resource groups >
Create a resource group
Basics
Tags
Review + create
Automation Link
Basics
Subscription
Azure for Students
Resource group name
SaaS-storage-RG
Region
East Asia
Tags
None
Previous
Next
Create
Notifications
More events in the activity log → Dismiss all
Save code settings
Successfully setup GitHub Action build and deployment pipeline
32 minutes ago
Deployment succeeded
Deployment 'Microsoft.Web-WebApp-Portal-a6c6f389-87cf' to resource group 'PaaS-Flask-RG' was successful.
Go to res...
Go to resource ...
an hour ago
Resource group created
Creating resource group 'PaaS-Flask-RG' in subscription 'Azure for Students' succeeded.
Go to resour...
Pin to da...
an hour ago

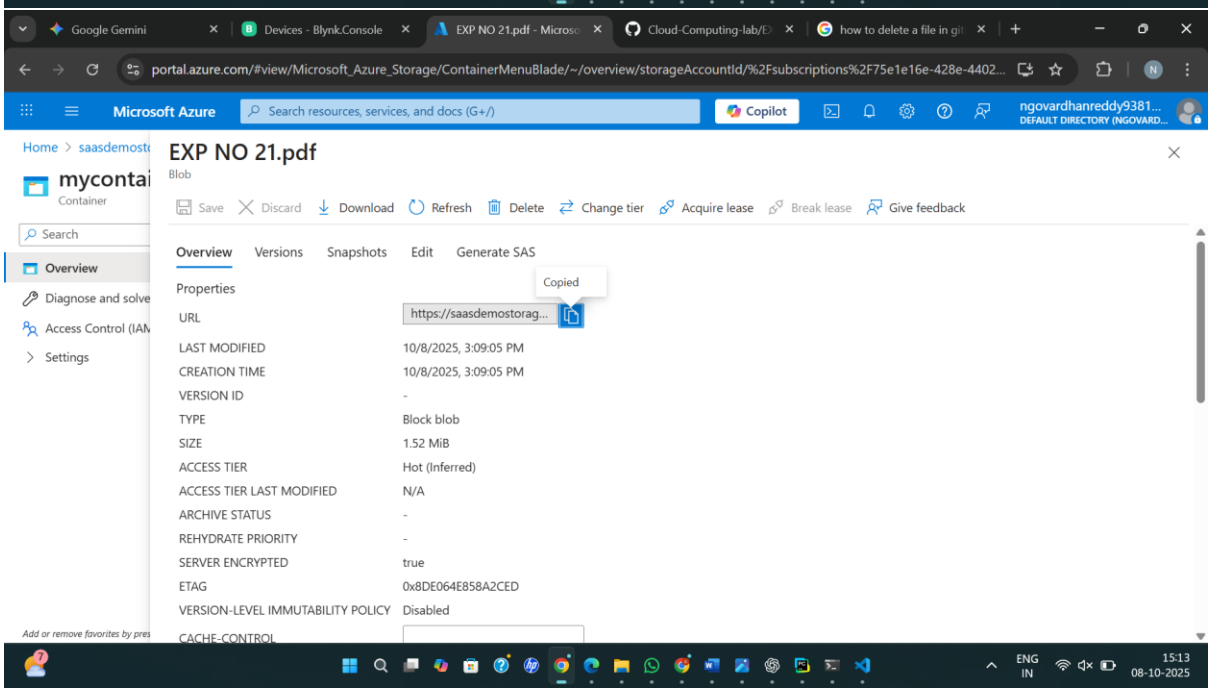

Google Gemini
Devices - Blynk.Console
Create a resource - Micr
Cloud-Computing-lab/E
how to delete a file in git
portal.azure.com/#view/Microsoft_Azure_Marketplace/PlusNew.ReactView/package/hub/additionalConfig~/%7B%7D/selectedMenuItemId/undef...
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
ngovardhanreddy9381...
DEFAULT DIRECTORY (NGOVARD...
All services >
Create a resource
Help me choose the right VM size
Help me compare Azure services for my workload
+1
Get Started
Recently created
Categories
Machine Learning
AI Apps and Agents
Analytics
Blockchain
Compute
Containers
Databases
Developer Tools
DevOps
Identity
Search services and marketplace
Getting started? Try our Quickstart Center
Virtual network
Create
Key Vault
Create
Virtual machine
Create
Storage account
Create
Data Factory
Create
Logic App
Create
Give feedback
Notifications
More events in the activity log → Dismiss all
Save code settings
Successfully setup GitHub Action build and deployment pipeline
33 minutes ago
Deployment succeeded
Deployment 'Microsoft.Web-WebApp-Portal-a6c6f389-87cf' to resource group 'PaaS-Flask-RG' was successful.
Go to res...
Go to resource ...
an hour ago
Resource group created
Creating resource group 'PaaS-Flask-RG' in subscription 'Azure for Students' succeeded.
Go to resour...
Pin to da...
an hour ago

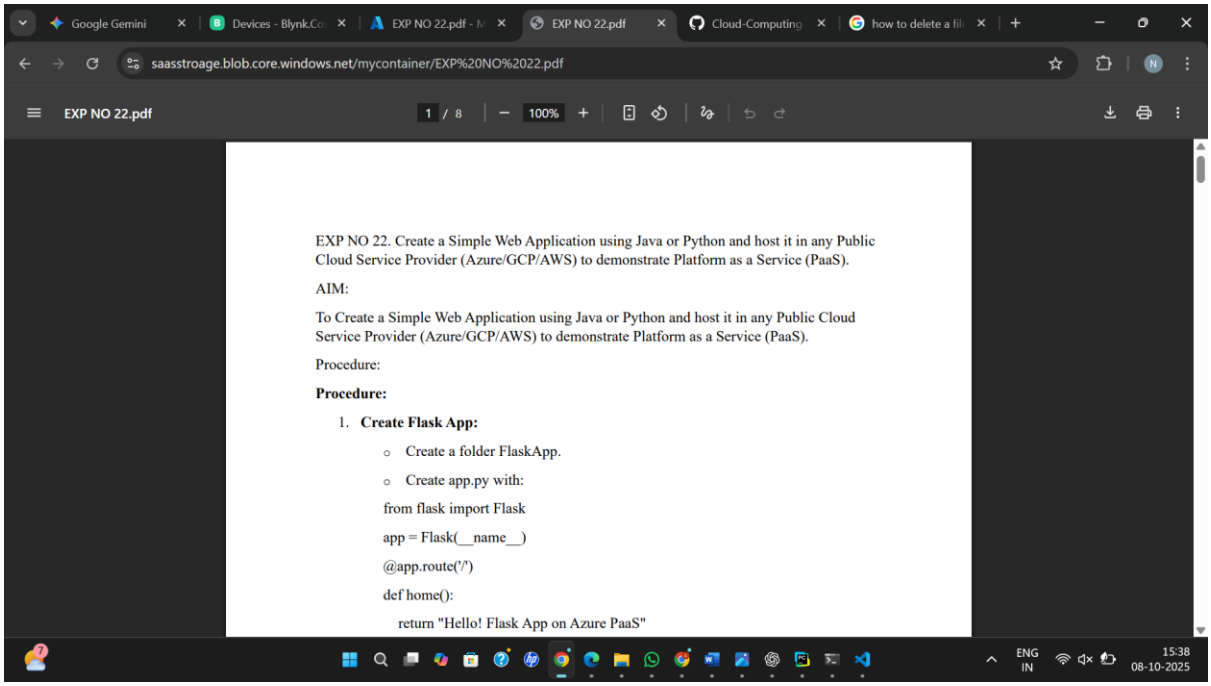

Google Gemini
Devices - Blynk.Console
Create a storage account
Cloud-Computing-lab/E
how to delete a file in git
portal.azure.com/#create/Microsoft.StorageAccount
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
ngovardhanreddy9381...
DEFAULT DIRECTORY (NGOVARD...
All services > Create a resource >
Create a storage account
Resource group *
saas-storage-RG
Create new
Instance details
Storage account name *
saasdemostorage123
Region *
(Asia Pacific) East Asia
Deploy to an Azure Extended Zone
Preferred storage type
Choose preferred storage type
This helps us provide relevant guidance. It doesn't restrict your storage to this resource type. Learn more
Performance *
Standard: Recommended for most scenarios (general-purpose v2 account)
Premium: Recommended for scenarios that require low latency.
Redundancy *
Locally-redundant storage (LRS)
Previous
Next
Review + create
Give feedback
ENG
IN
15:03
08-10-2025


Google Gemini
Devices - Blynk.Console
Create a storage account
Cloud-Computing-lab/
how to delete a file in git
portal.azure.com/#create/Microsoft.StorageAccount
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
ngovardhanreddy9381...
DEFAULT DIRECTORY (NGOVARD...
All services > Create a resource >
Create a storage account
Basics
Advanced
Networking
Data protection
Encryption
Tags
Review + create
View automation template
Basics
Subscription
Azure for Students
Resource group
saas-storage-RG
Location
East Asia
Storage account name
saasdemostorage123
Preferred storage type
Performance
Standard
Replication
Locally-redundant storage (LRS)
Advanced
Previous
Next
Create
Give feedback


ENG
IN
15:03
08-10-2025
Google Gemini
Devices - Blynk.Console
saasdemostorage123_17
Cloud-Computing-lab/
how to delete a file in git
portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F75e1e16e-428e-4402-84c9-4163a4486ab1...
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
ngovardhanreddy9381...
DEFAULT DIRECTORY (NGOVARD...
All services >
saasdemostorage123_1759916008631 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete
Cancel
Redeploy
Download
Refresh
Your deployment is complete
Deployment name: saasdemostorage123_1759...
Subscription: Azure for Students
Resource group: saas-storage-RG
Start time: 10/8/2025, 3:03:48 PM
Correlation ID: 16065d5b-88f9-4cd8-a810-261af54b
Deployment details
Next steps
Go to resource
Give feedback
Tell us about your experience with deployment
Cost Management
Get notified to stay within your budget and prevent unexpected charges on your bill.
Set up cost alerts >
Microsoft Defender for Cloud
Secure your apps and infrastructure
Go to Microsoft Defender for Cloud >
Free Microsoft tutorials
Start learning today >
Add or remove favorites by pressing Ctrl+Shift+F
ENG
IN
15:04
08-10-2025


Google Gemini
Devices - Blynk.Console
Upload blob - Microsoft
Cloud-Computing-lab/E
how to delete a file in git
portal.azure.com/#@ngovardhanreddy9381gmail996.onmicrosoft.com/resource/subscriptions/75e1e16e-428e-4402-84c9-4163a4486ab1/resourc...
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
ngovardhanreddy9381...
DEFAULT DIRECTORY (NGOVARD...
All services > Storage center | Storage accounts (Blobs) >
saasdemostorage123
Storage account
Enhance the security of this storage account
Search
Storage browser
Storage Mover
Partner solutions
Resource visualizer
Data storage
Security + networking
Data management
Settings
Monitoring
Monitoring (classic)
Automation
Help
Add or remove favorites by pressing Ctrl+Shift+F
Upload
Open in Explorer
Delete
Move
Essentials
Resource group (move)
saas-storage-RG
Location
eastasia
Subscription (move)
Azure for Students
Subscription ID
75e1e16e-428e-4402-84c9-4163a4486ab1
Disk state
Available
Tags (edit)
Add tags
Properties
Monitoring
Capabilities (7)
Recommendatic
Upload blob
New container
Name
mycontainer
Anonymous access level
Private (no anonymous access)
Anonymous access to this container is being blocked because anonymous access is disabled on this storage account.
Ok
Cancel
Overwrite if files already exist
Advanced
Upload
Give feedback
ENG
IN
15:08
08-10-2025


Google Gemini
Devices - Blynk.Console
EXP NO 21.pdf - Microsc
Cloud-Computing-lab/E
how to delete a file in git
portal.azure.com/#view/Microsoft_Azure_Storage/ContainerMenuBlade/~/overview/storageAccountId/%2Fsubscriptions%2F75e1e16e-428e-4402...
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
ngovardhanreddy9381...
DEFAULT DIRECTORY (NGOVARD...
Home > saasdemost
mycontai
Container
Search
Overview
Diagnose and solve
Access Control (IAM
Settings
Add or remove favorites by pres
EXP NO 21.pdf
Blob
Save
Discard
Download
Refresh
Delete
Change tier
Acquire lease
Break lease
Give feedback
Overview
Versions
Snapshots
Edit
Generate SAS
Properties
Copied
URL
https://saasdemostorag...
LAST MODIFIED
10/8/2025, 3:09:05 PM
CREATION TIME
10/8/2025, 3:09:05 PM
VERSION ID
-
TYPE
Block blob
SIZE
1.52 MiB
ACCESS TIER
Hot (Inferred)
ACCESS TIER LAST MODIFIED
N/A
ARCHIVE STATUS
-
REHYDRATE PRIORITY
-
SERVER ENCRYPTED
true
ETAG
0x8DE064E858A2CED
VERSION-LEVEL IMMUTABILITY POLICY
Disabled
CACHE-CONTROL
ENG
IN
15:13
08-10-2025



Result:

The file was successfully uploaded to Azure Storage and made publicly accessible, demonstrating Storage as a Service (SaaS).