

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:

The screenshot shows two Microsoft Azure browser tabs side-by-side, illustrating the creation of a new Resource Group.

Top Tab: Resource groups

This tab displays a list of existing Resource Groups. The table includes columns for Name, Subscription, and Location. The list includes:

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
Default Resource RG	Azure for Students	East Asia

Bottom Tab: Create a resource group

This tab shows the 'Create a resource group' wizard. The 'Basics' step is selected. The form fields are:

- Subscription: Azure for Students
- Resource group name: SaaS-storage-RG
- Region: (Asia Pacific) East Asia

Below the form are 'Previous' and 'Next' buttons, and a 'Review + create' button.

Notifications

Both tabs show a sidebar with the following notifications:

- 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 res... Pin to da... an hour ago.

Create a resource group

Basics Tags Review + create

Subscription: Azure for Students

Resource group name: SaaS-storage-RG

Region: East Asia

Tags: None

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. an hour ago

Resource group created Creating resource group 'PaaS-Flask-RG' in subscription 'Azure for Students' succeeded. an hour ago

Go to res... Go to resource...

Previous Next Create

Create a resource

Get Started Recently created

Categories

- Machine Learning
- AI Apps and Agents
- Analytics
- Blockchain
- Compute
- Containers
- Databases
- Developer Tools
- DevOps
- Identity

Search services and marketplace Help me choose the right VM size Help me compare Azure services for my workload +1

Virtual network Create

Key Vault Create

Virtual machine Create

Storage account Create

Data Factory Create

Logic App Create

Give feedback

More events in the activity log → Dismiss all

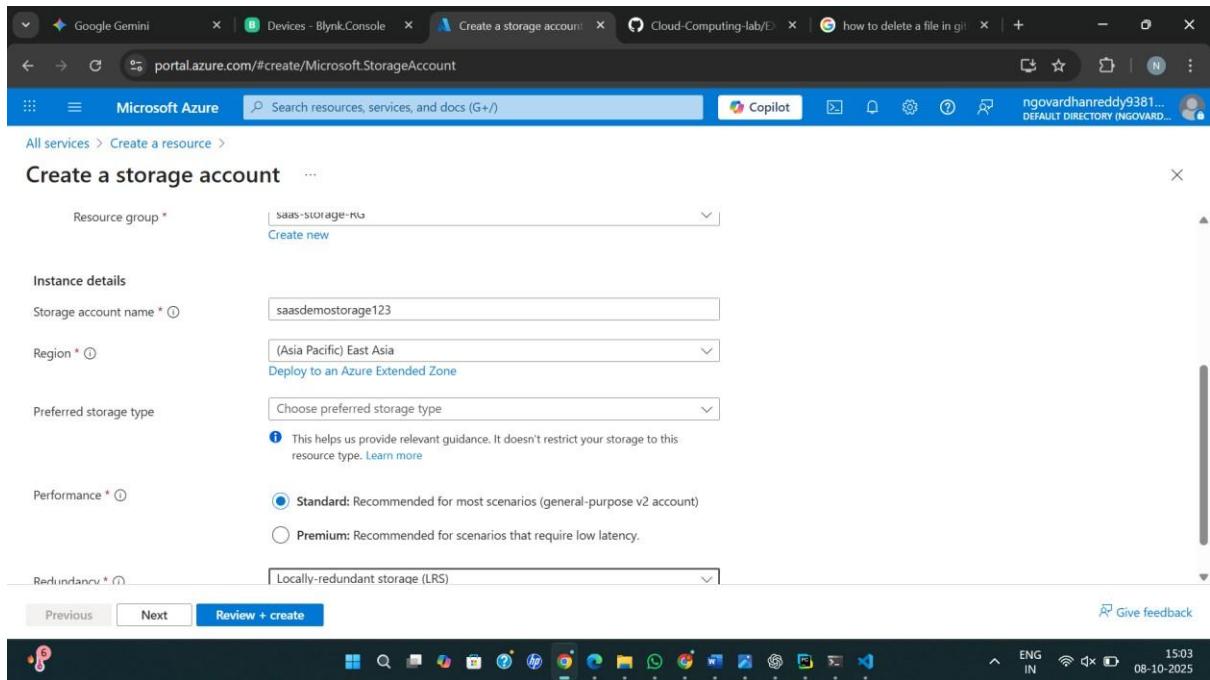
Save code settings Successfully setup GitHub Action build and deployment pipeline 33 minutes ago

Deployment succeeded Deployment 'Microsoft.Web-WebApp-Portal-a6c6f389-87cf' to resource group 'PaaS-Flask-RG' was successful. an hour ago

Resource group created Creating resource group 'PaaS-Flask-RG' in subscription 'Azure for Students' succeeded. an hour ago

Go to res... Go to resource...

14:57 08-10-2025



The screenshot shows a Microsoft Edge browser window with multiple tabs open, including Google Gemini, Devices - Blynk.Console, Create a storage account, Cloud-Computing-lab/E, and how to delete a file in git. The main content area is the Microsoft Azure portal.

Create a storage account

Basics

Subscription	Azure for Students
Resource group	saas-storage-RG
Location	East Asia
Storage account name	saasdemostorage123
Preferred storage type	Standard
Performance	Locally-redundant storage (LRS)

Advanced

Previous Next Create Give feedback

saasdemostorage123_1759916008631 | Overview

Your deployment is complete

Deployment name: saasdemostorage123_1759... Start time: 10/8/2025, 3:03:48 PM
Subscription: Azure for Students Correlation ID: 16065d5b-88f9-4cd8-a810-261af54b
Resource group: saas-storage-RG

Deployment details

Next steps

Go to resource

Give feedback Tell us about your experience with deployment

Add or remove favorites by pressing Ctrl+Shift+F

ENG IN 15:03 08-10-2025

Cost Management Get notified to stay within your budget and prevent unexpected charges on your bill. Set up cost alerts >

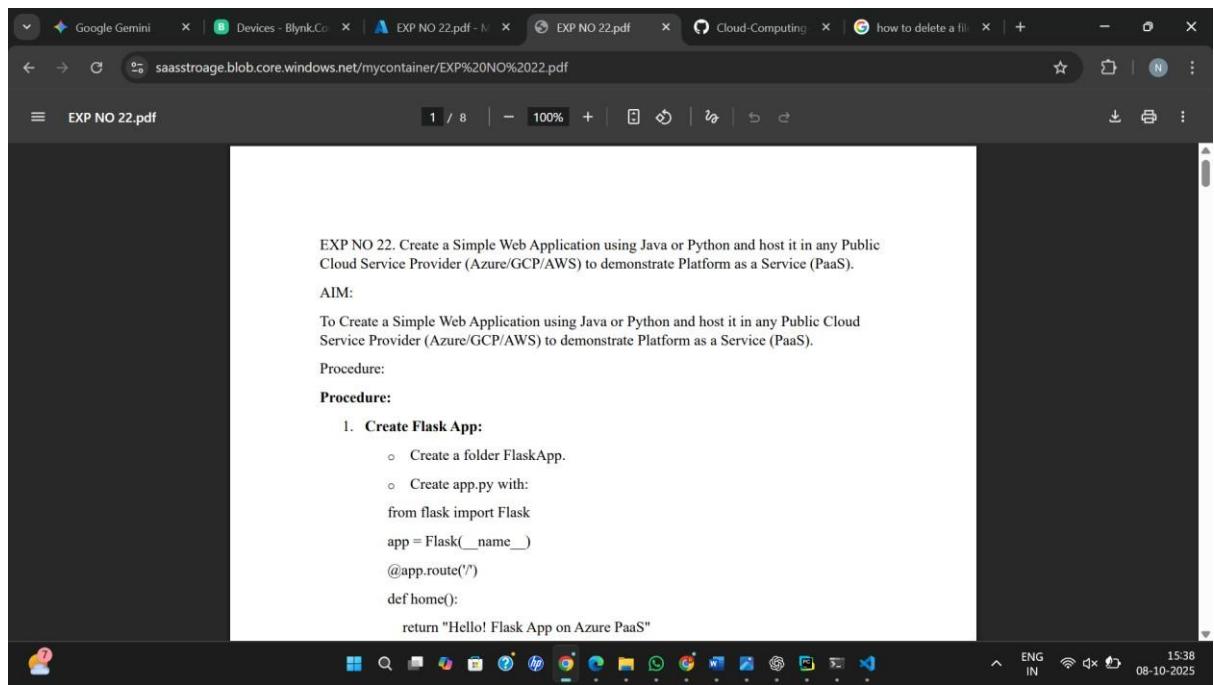
Microsoft Defender for Cloud Secure your apps and infrastructure Go to Microsoft Defender for Cloud >

Free Microsoft tutorials Start learning today >

ENG IN 15:04 08-10-2025

The screenshot shows two windows from the Microsoft Azure portal. The top window is titled 'Upload blob' and shows a 'New container' dialog. It has a 'Name' field set to 'mycontainer' and an 'Anonymous access level' dropdown set to 'Private (no anonymous access)'. A note below states: 'Anonymous access to this container is being blocked because anonymous access is disabled on this storage account.' There are 'Ok' and 'Cancel' buttons at the bottom. The bottom window shows the 'EXP NO 21.pdf' blob properties. The URL is copied to the clipboard. The properties table includes:

Property	Value
URL	https://saasdemostorage123.blob.core.windows.net/mycontainer/EXP%20NO%2021.pdf
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	



Result:

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