

**Title** : Azure – Storage Services  
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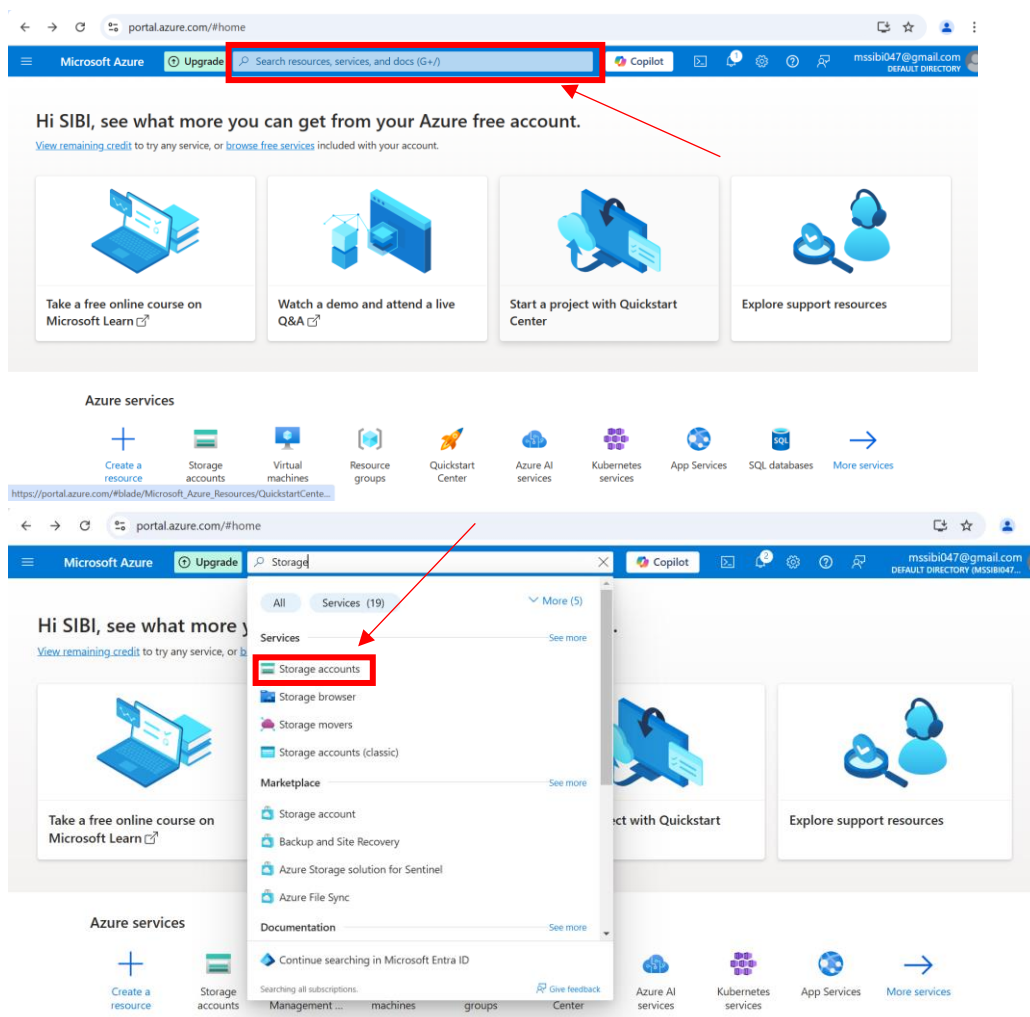
Azure Blob Storage: Large volumes of unstructured data can be managed and stored in cloud with the use of Microsoft's Azure Blob Storage.

### Types of Blob:

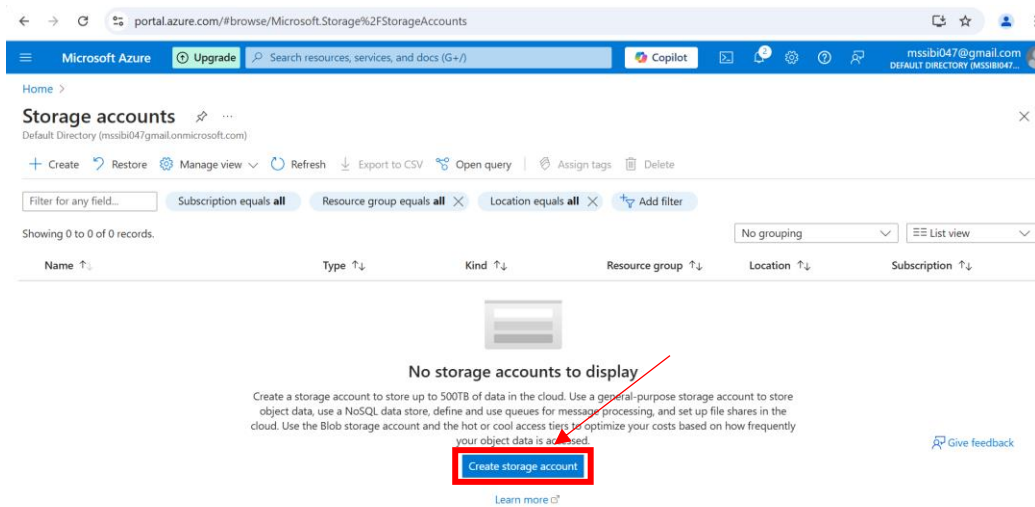
1. **Block Blob:** Used to store text or binary files such as Large Videos / Photos : **4.75TB**
2. **Page Blob:** Used to store logging/monitoring data such as VM Snapshots : **8TB**
3. **Append Blob:** Used to store existing blobs / VM Images : **195GB per blob**

### Azure Storage Account

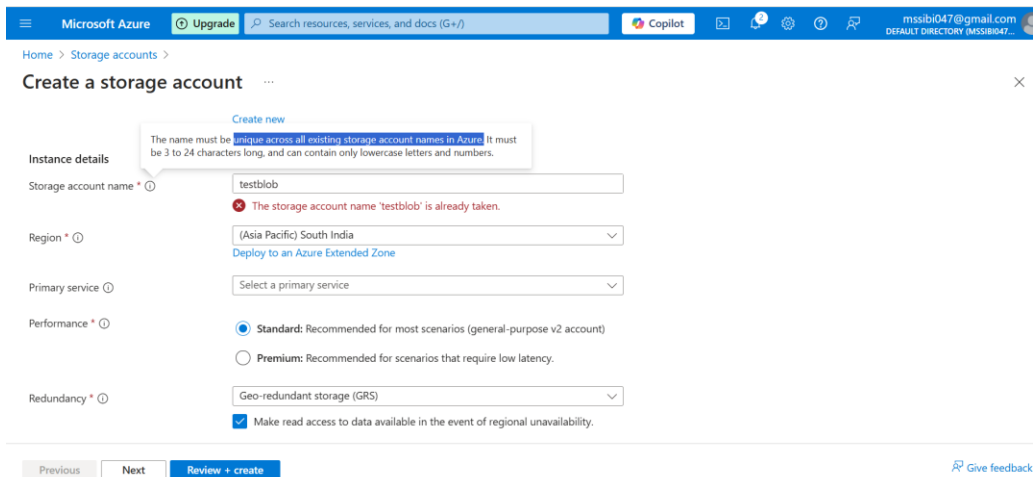
1. Navigate to <https://portal.azure.com> and use search bar to search for Storage Account



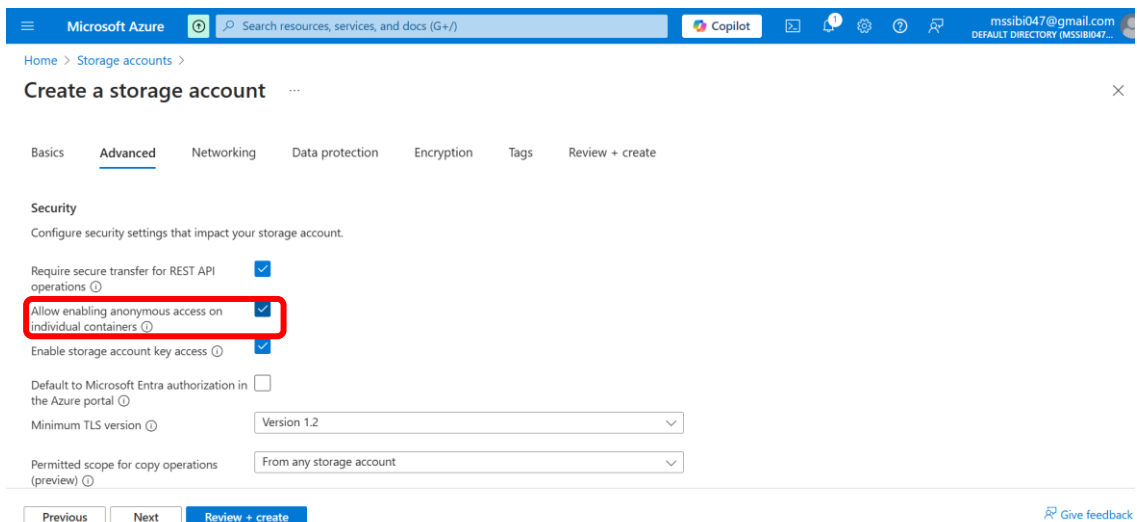
- Open Storage Account and you end up landing this page. Now click on 'Create storage account' button to get started.



- Stay aware while creating a Storage Account.



- Few options are rigid that they can't be changed after the deployment.



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Home > Storage accounts >

## Create a storage account

Basics Advanced Networking Data protection Encryption Tags Review + create

Encryption type \* ⓘ

☒ Microsoft-managed keys (MMK)

☐ Customer-managed keys (CMK)

Enable support for customer-managed keys ⓘ

☐ Blobs and files only

☒ All service types (blobs, files, tables, and queues)

⚠ This option cannot be changed after this storage account is created.

Enable infrastructure encryption ⓘ ☐

Previous Next Review + create Give feedback

## 5. Review and Create your storage

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Home > Storage accounts >

## Create a storage account

Basics Advanced Networking Data protection Encryption Tags Review + create

View automation template

### Basics

Subscription	Free Trial
Resource group	learning-phase-RG
Location	South India
Storage account name	blobstoarge
Primary service	
Performance	Standard
Replication	Locally-redundant storage (LRS)

### Advanced

Enable hierarchical namespace	Disabled
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Previous Next Create Give feedback

## 6. Storage Account will be initialized and deployed.

Initializing deployment...

Initializing template deployment to resource group 'learning-phase-RG'.

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Home >

## blobstoarge\_1732506602477 | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

### Deployment is in progress

Deployment name: blobstoarge\_17325066... Start time: 11/25/2024, 9:22:28 AM

Subscription: Free Trial Correlation ID: f8d65380-b1cc-4f73-855c-b542bd265dd4

Resource group: learning-phase-RG

#### Deployment details

Resource	Type	Status	Operation details
No results.			

Give feedback

Tell us about your experience with deployment

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The screenshot shows the Microsoft Azure portal interface. At the top, there's a navigation bar with 'Microsoft Azure', an 'Upgrade' button, a search bar, and a 'Copilot' button. Below the navigation bar, the breadcrumb trail is 'Home > blobstoarge\_1732506602477 | Overview'. The main content area has a left sidebar with 'Overview' selected, and other options like 'Inputs', 'Outputs', and 'Template'. The main area displays a green checkmark and the text 'Your deployment is complete'. Below this, it shows deployment details: 'blobstoarge\_1732506...', 'Free Trial' subscription, 'learning-phase-RG' resource group, and a start time of '11/25/2024, 9:22:28 AM'. There are also buttons for 'Delete', 'Cancel', 'Redeploy', 'Download', and 'Refresh'. A 'Go to resource' button is at the bottom.

Home > blobstoarge\_1732506602477 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name: blobstoarge\_1732506... Start time: 11/25/2024, 9:22:28 AM

Subscription: Free Trial Correlation ID: f8d65380-b1cc-4f73-855c-b542bd265dd4

Resource group: learning-phase-RG

Deployment details

Next steps

Go to resource

Give feedback

Tell us about your experience with deployment

## 7. Select 'Upload' button

The screenshot shows the Microsoft Azure portal interface for a storage account named 'blobstoarge'. The breadcrumb trail is 'Home > Storage accounts > blobstoarge'. The left sidebar has 'Overview' selected, with other options like 'Activity log', 'Tags', 'Diagnose and solve problems', 'Access Control (IAM)', 'Data migration', 'Events', 'Storage browser', 'Storage Mover', 'Partner solutions', 'Data storage', 'Security + networking', and 'Data management'. The main area shows the 'Upload' button highlighted with a red box. Below the 'Upload' button, there's a table of properties for the storage account, including 'Resource group', 'Location', 'Subscription', 'Subscription ID', 'Disk state', 'Tags', 'Performance', 'Standard', 'Replication', 'Locally-redundant storage (LRS)', 'Account kind', 'StorageV2 (general purpose v2)', 'Provisioning state', 'Succeeded', 'Created', and '11/25/2024, 9:22:29 AM'. There are also buttons for 'Open in Explorer', 'Delete', 'Move', 'Refresh', 'Open in mobile', 'CLI / PS', and 'Feedback'.

Home > Storage accounts > blobstoarge

Storage account

Search

Upload Open in Explorer Delete Move Refresh Open in mobile CLI / PS Feedback

Overview

Activity log

Tags

Diagnose and solve problems

Access Control (IAM)

Data migration

Events

Storage browser

Storage Mover

Partner solutions

Data storage

Security + networking

Data management

Essentials

Resource group (move) learning-phase-RG

Location southindia

Subscription (move) Free Trial

Subscription ID 8e467e59-b38f-4baf-a5b7-9a468480dbbd

Disk state Available

Tags (edit) Add tags

Performance Standard

Replication Locally-redundant storage (LRS)

Account kind StorageV2 (general purpose v2)

Provisioning state Succeeded

Created 11/25/2024, 9:22:29 AM

Properties Monitoring Capabilities (7) Recommendations (0) Tutorials Tools + SDKs

## 8. Upload a file and create a container

## Upload blob

1 file(s) selected: Wallpaper.png

Drag and drop files here or [Browse for files](#)

Select an existing container

new-container

[Create new](#)

☐ Overwrite if files already exist

Advanced

Upload

[Give feedback](#)

### New container

Name

new-container

Anonymous access level ⓘ

Blob (anonymous read access for blobs only)

ⓘ Blobs within the container can be read by anonymous request, but container data is not available. Anonymous clients cannot enumerate the blobs within the container.

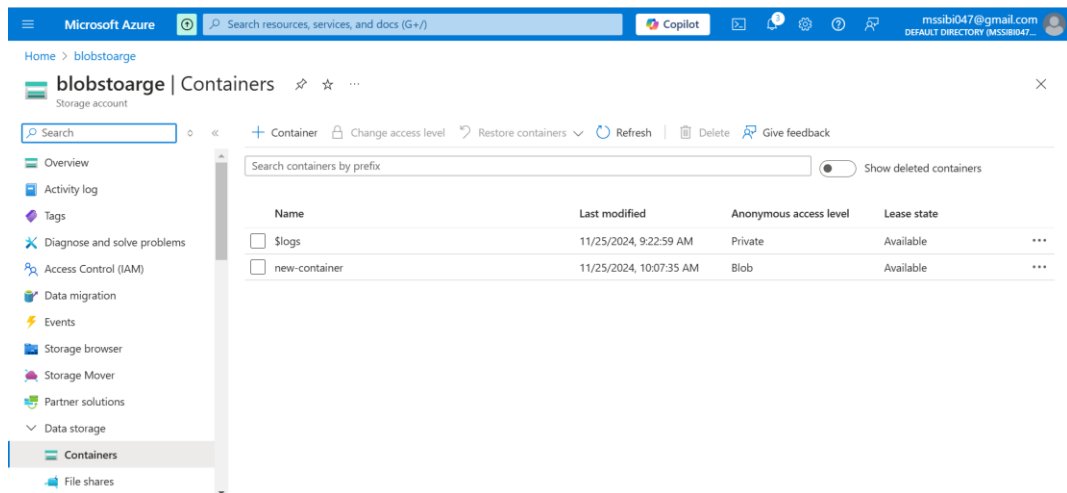
Ok

Cancel

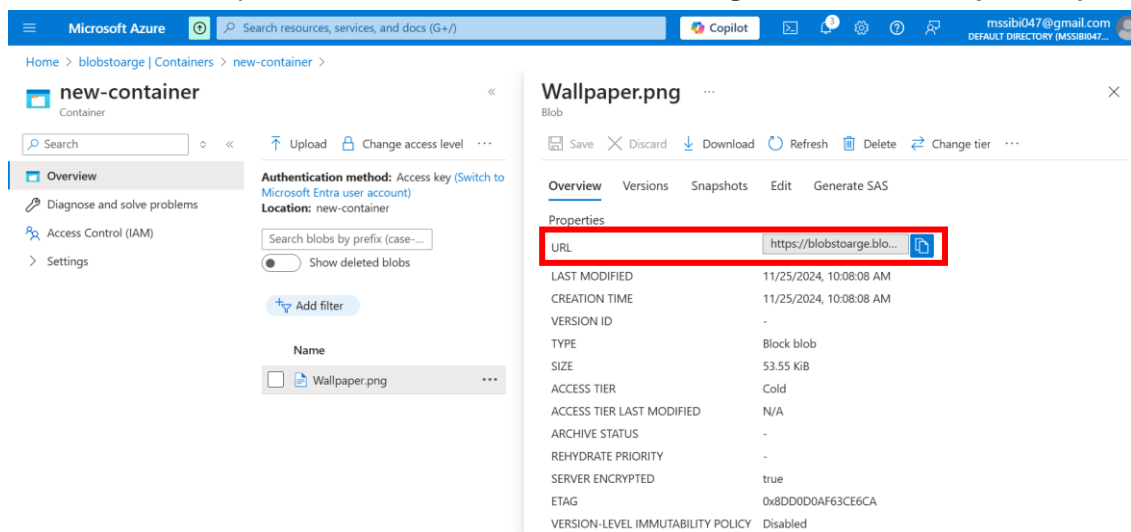
## 9. Get to Side Panel and open Data Storage > Containers

The screenshot shows the Microsoft Azure portal interface. The left sidebar is expanded, showing the 'Data storage' section. Under 'Data storage', the 'Containers' link is highlighted with a red box and a red arrow. The main panel displays the 'blobstoarge' storage account details, including the resource group, location, subscription, and storage account information.

## 10. You will have the container that you created a while ago.



11. You can find the public URL that is used for accessing world wide anonymously.



12. Make sure to delete all the availed services in-order to skip billing.