

Microsoft Azure Storage Account

By

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Hands-Ons

1: Creating Storage Account

Service Bus - Microsoft Azure

https://portal.azure.com/#home

Microsoft Azure

Search resources, services, and docs (G+)

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Name	Type	Last Viewed
rg-azuser3017_mm1.local-kA8tL	Resource group	4 hours ago

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MakeMyLabs Marketplace - Microsoft Azure

https://portal.azure.com/#view/Microsoft_Azure_Marketplace/MarketplaceOffersBlade/searchQuery/storage%20account/searchInitiatedFrom/plusNewBladeSearchContext/selected...

Microsoft Azure Search resources, services, and docs (G+)

Home > Create a resource > Marketplace

Get Started

Service Providers

Management

Private Marketplace

Private Offer Management

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Recently created

Private plans

Categories

Storage (111)

Compute (54)

IT & Management Tools (51)

Security (40)

storage account

Pricing : All Operating System : All Publisher Type : All Product Type : All Publisher name : All

☐ Azure services only

New! Get AI-generated suggestions for 'storage account' View suggestions

Showing 1 to 20 of 225 results for 'storage account'. Clear search

Tile view

Storage Account Using ARM

DIGISTORM LTD.

Azure Application

storage account arm

Price varies

Create

Storage account

Microsoft

Azure Service

Use Blobs, Tables, Queues, Files, and Data Lake Gen 2 for reliable, economical cloud storage.

Price varies

Create

Storage account

Storage Account Using ARM

VIRTUCLLOUD LTD.

Azure Application

storage account arm

Price varies

Create

Storage Account Using ARM Template

FortuneCloud LLC

Azure Application

storage account arm template

Price varies

Create

Storage Account Using ARM Template

CloudGate LLC

Azure Application

storage account arm template

Price varies

Create

Is Marketplace helpful?

ENG IN 09:44 AM 24-04-2025

MakeMyLabs Create a storage account - Micros x

https://portal.azure.com/#create/Microsoft.StorageAccount-ARM

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Create a storage account

Basics Advanced Networking Data protection Encryption Tags Review + create

Azure Storage is a Microsoft-managed service providing cloud storage that is highly available, secure, durable, scalable, and redundant. Azure Storage includes Azure Blobs (objects), Azure Data Lake Storage Gen2, Azure Files, Azure Queues, and Azure Tables. The cost of your storage account depends on the usage and the options you choose below. [Learn more about Azure storage accounts](#)

Project details

Select the subscription in which to create the new storage account. Choose a new or existing resource group to organize and manage your storage account together with other resources.

Subscription * MML Learners

Resource group * rg-azuser3017_mml.local-ka8tL

[Create new](#)

Instance details

Storage account name * ① teststorageaccont2404

Region * ① (Asia Pacific) Central India

[Deploy to an Azure Extended Zone](#)

Primary service ① Azure Files

Previous Next Review + create

[Give feedback](#)

09:46 AM 24-04-2025

It allows only lowercase and numbers

New Option is added recently

MakeMyLabs Create a storage account - Micros x

https://portal.azure.com/#create/Microsoft.StorageAccount-ARM

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Home > Create a resource > Marketplace >

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[Create new](#)

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Previous Next Review + create

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https://portal.azure.com/#create/Microsoft.StorageAccount-ARM

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Create a storage account

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Subscription * MML Learners

Resource group * rg-azuser3017_mml.local-ka8tL

[Create new](#)

Instance details

Storage account name * ① teststorageacct2404

Region * ① (Asia Pacific) Central India

[Deploy to an Azure Extended Zone](#)

Primary service ① **Azure Blob Storage or Azure Data Lake Storage Gen 2**

Performance * ①

☒ **Standard:** Recommended for most scenarios (general-purpose v2 account)

☐ **Premium:** Recommended for scenarios that require low latency.

Redundancy * ① Locally-redundant storage (LRS)

[Previous](#) [Next](#) [Review + create](#)

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09:58 AM
24-04-2025

For blob storage

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https://portal.azure.com/#create/Microsoft.StorageAccount-ARM

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Create a storage account

Resource group * rg-azuser3017_mml.local-kA8tL [Create new](#)

Instance details

Storage account name * teststorageacct2404

Region * (Asia Pacific) Central India [Deploy to an Azure Extended Zone](#)

Primary service Azure Files

Performance * ☒ **Standard:** Recommended for general purpose file shares and cost sensitive applications, such as HDD file shares

☐ **Premium:** Recommended for application requiring low-latency or high IOPS/throughput, such as SSD file shares

File share billing ☒ **Pay-as-you-go file shares:** Billed based on usage

☐ **Provisioned v2:** Provision capacity, throughput, and IOPS individually (new)

Redundancy * Locally-redundant storage (LRS)

[Previous](#) [Next](#) [Review + create](#) [Give feedback](#)

09:51 AM 24-04-2025



Create a storage account - Micros x

https://portal.azure.com/#create/Microsoft.StorageAccount-ARM

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Create a storage account

Basics Advanced **Networking** Data protection Encryption Tags Review + create

Network connectivity

You can connect to your storage account either publicly, via public IP addresses or service endpoints, or privately, using a private endpoint.

Network access *

☒ Enable public access from all networks

☐ Enable public access from selected virtual networks and IP addresses

☐ Disable public access and use private access

i Enabling public access from all networks might make this resource available publicly. Unless public access is required, we recommend using a more restricted access type. [Learn more](#)

Private endpoint

Create a private endpoint to allow a private connection to this resource. Additional private endpoint connections can be created within the storage account or private link center.

+ Add private endpoint

Name	Subscription	Resource g...	Region	Target sub-...	Subnet	Private DN...
------	--------------	---------------	--------	----------------	--------	---------------

Previous **Next** Review + create

Give feedback

Windows Search

10:01 AM
24-04-2025

Microsoft Azure portal interface showing the "Create a storage account" wizard. The browser address bar displays `https://portal.azure.com/#create/Microsoft.StorageAccount-ARM`. The user is logged in as `azuser3017_mml.local@...`.

The wizard steps are: Basics, Advanced, Networking, Data protection, Encryption, **Tags**, and Review + create. The **Tags** step is currently active.

Name	Value	Resource
Project	BlobStorage	All resources selected
		All resources selected

At the bottom of the wizard, the "Review + create" button is highlighted with a blue box and a blue checkmark. The "Previous" and "Next" buttons are also visible.

The Windows taskbar at the bottom shows the Start button, Search bar, and various application icons. The system clock indicates 10:03 AM on 24-04-2025.

teststorageaccont2404_17454692 x +

https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F2a3c6418-97b9-4d96-a24b-2c2d7633d375%2FresourceGroups%2Frg-... A [star] [menu] [profile]

Microsoft Azure Search resources, services, and docs (G+/) Copilot [notification] [settings] [help] [chat] azuser3017_mml.local@... TECHADEMY LEARNING SOLUTI...

Home >

teststorageaccont2404_1745469248037 | Overview

Deployment

Search x << [trash] Delete [cancel] Cancel [up] Redeploy [down] Download [refresh] Refresh

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name: teststorageaccont2404_1745469248037
Subscription: [MML Learners](#)
Resource group: [rg-azuser3017_mml.local-ka8tL](#)

Start time: 4/24/2025, 10:05:47 AM
Correlation ID: 61165fca-be4a-45d3-950c-e344cb0fdd75

Deployment details

Next steps

[Go to resource](#)

Give feedback

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Windows taskbar: Search [taskbar icons] ENG IN 10:06 AM 24-04-2025

Hands-Ons

2: Using Azure Blob Storage

teststorageaccount2404 - Microsoft

https://portal.azure.com/#@techademy.com/resource/subscriptions/2a3c6418-97b9-4d96-a24b-2c2d7633d375/resourcegroups/rg-azuser3017_mml.local-kA8tL/providers/Microso...

Microsoft Azure

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TECHADEMY LEARNING SOLUT...

Home > teststorageaccount2404_1745469248037 | Overview >

teststorageaccount2404
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
- Resource visualizer
- Data storage
 - Containers
 - File shares
 - Queues
 - Tables
- Security + networking

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Essentials

JSON View

Resource group (move)	: rg-azuser3017_mml.local-kA8tL	Performance	: Standard
Location	: centralindia	Replication	: Locally-redundant storage (LRS)
Subscription (move)	: MML Learners	Account kind	: StorageV2 (general purpose v2)
Subscription ID	: 2a3c6418-97b9-4d96-a24b-2c2d7633d375	Provisioning state	: Succeeded
Disk state	: Available	Created	: 24/4/2025, 10:05:48 am
Tags (edit)	: Project : BlobStroage		

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

Blob service

Hierarchical namespace	Disabled
Default access tier	Hot
Blob anonymous access	Enabled
Blob soft delete	Enabled (7 days)
Container soft delete	Enabled (7 days)
Versioning	Disabled
Change feed	Disabled
NFS v3	Disabled
Allow cross-tenant replication	Disabled

Security

Require secure transfer for REST API operations	Enabled
Storage account key access	Enabled
Minimum TLS version	Version 1.2
Infrastructure encryption	Disabled

Networking

Allow access from	All networks
Private endpoint connections	0

New container - Microsoft Azure

https://portal.azure.com/#@techademy.com/resource/subscriptions/2a3c6418-97b9-4d96-a24b-2c2d7633d375/resourcegroups/rg-azuser3017_mml.local-kA8tL/providers/Microso...

Microsoft Azure

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Copilot

azuser3017_mml.local@...
TECHADEMY LEARNING SOLUTL...

Home > teststorageacct2404_1745469248037 | Overview > teststorageacct2404

teststorageacct2404 | Containers

Storage account

Search

+ Container

Change access level

Restore containers

Refresh

Delete

Give feedback

Search containers by prefix

Name	Last modified	Anonymous access level
<input type="checkbox"/> \$logs	4/24/2025, 10:06:16 AM	Private

Overview

Activity log

Tags

Diagnose and solve problems

Access Control (IAM)

Data migration

Events

Storage browser

Storage Mover

Partner solutions

Resource visualizer

Data storage

Containers

File shares

Queues

Tables

Security + networking

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Note: The "Blob service" option is typically under the storage account's left menu as **Containers** (not always labeled "Blob service"). If you see **Containers**, click it to access Blob storage.

New container

Name *

Anonymous access level ⓘ

Private (no anonymous access)

Advanced

Create

Give feedback

10:12 AM
24-04-2025

New container - Microsoft Azure

https://portal.azure.com/#@techademy.com/resource/subscriptions/2a3c6418-97b9-4d96-a24b-2c2d7633d375/resourcegroups/rg-azuser3017_mml.local-kA8tL/providers/Microso...

Microsoft Azure Search resources, services, and docs (G+)

Home > teststorageacct2404_1745469248037 | Overview > teststorageacct2404

teststorageacct2404 | Containers Storage account

Search

+ Container Change access level Restore containers Refresh Delete Give feedback

Search containers by prefix

Name	Last modified	Anonymous
<input type="checkbox"/> \$logs	4/24/2025, 10:06:16 AM	Private

Overview
Activity log
Tags
Diagnose and solve problems
Access Control (IAM)
Data migration
Events
Storage browser
Storage Mover
Partner solutions
Resource visualizer
Data storage
Containers
File shares
Queues
Tables
Security + networking

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New container

Name *
testblobcontainer ✓

Anonymous access level ⓘ
Container (anonymous read access for containers and blobs) ▾

⚠ All container and blob data can be read by anonymous request. Clients can enumerate blobs within the container by anonymous request, but cannot enumerate containers within the storage account.

Advanced

Create

Give feedback

10:14 AM 24-04-2025

teststorageacct2404 - Microsoft

https://portal.azure.com/#@techademy.com/resource/subscriptions/2a3c6418-97b9-4d96-a24b-2c2d7633d375/resourcegroups/rg-azuser3017_mml.local-kA8tL/providers/...

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

azuser3017_mml.local@...
TECHADEMY LEARNING SOLUTI...

Home > teststorageacct2404

teststorageacct2404 | Containers

Storage account

Search

+ Container Change access level Restore containers Refresh Delete Give feedback

Search containers by prefix

Show deleted containers

Name	Last modified	Anonymous access level	Lease state
<input type="checkbox"/> \$logs	4/24/2025, 10:06:16 AM	Private	Available
<input type="checkbox"/> testblobcontainer	4/24/2025, 10:17:26 AM	Container	Available

Overview

Activity log

Tags

Diagnose and solve problems

Access Control (IAM)

Data migration

Events

Storage browser

Storage Mover

Partner solutions

Resource visualizer

Data storage

Containers

File shares

Queues

Tables

Security + networking

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Search

ENG IN

10:18 AM
24-04-2025

Upload blob - Microsoft Azure

https://portal.azure.com/#view/Microsoft_Azure_Storage/ContainerMenuBlade/~/overview/storageAccountId/%2Fsubscriptions%2F2a3c6418-97b9-4d96-a24b-2c2d7633d375%2Fr...

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

azuser3017_mm1.local@...
TECHADEMY LEARNING SOLUTI...

Home > teststorageaccont2404 | Containers >

testblobcontainer Container

Search

Upload Change access level Refresh Delete Change tier Acquire lease

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

Authentication method: Access key (Switch to Microsoft Entra user account)

Location: testblobcontainer

Search blobs by prefix (case-sensitive)

Add filter

Name	Modified	Access tier	Arch...
No results			

+

Upload blob

1 file(s) selected: Narasimha_Passport_1.jpg

Drag and drop files here or Browse for files

Overwrite if files already exist

Advanced

Upload

Give feedback

Add or remove favorites by pressing Ctrl+Shift+F

Search

ENG IN 10:20 AM 24-04-2025

Upload blob - Microsoft Azure

https://portal.azure.com/#view/Microsoft_Azure_Storage/ContainerMenuBlade/~/overview/storageAccountId/%2Fsubscriptions%2F2a3c6418-97b9-4d96-a24b-2c2d7633d375%2Fr...

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

azuser3017_mml.local@...
TECHADEMY LEARNING SOLUTI...

Home > teststorageaccont2404 | Containers >

testblobcontainer
Container

Search

Upload Change access level Refresh Delete Change tier Acquire lease

Overview

Diagnose and solve problems

Access Control (IAM)


Settings

Authentication method: Access key (Switch to Microsoft Entra user account)

Location: testblobcontainer

Search blobs by prefix (case-sensitive)

Add filter

	Name	Modified	Access tier	Arch...
<input type="checkbox"/>	 Narasimha_Passport_1.jpg	4/24/2025, 10:21:41 ...	Hot (Inferred)	

1 file(s) selected: db_emps.json

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

☐ Overwrite if files already exist

Advanced

Upload

Give feedback

Add or remove favorites by pressing Ctrl+Shift+F

Search

ENG IN

10:22 AM
24-04-2025

testblobcontainer - Microsoft Azure

https://portal.azure.com/#view/Microsoft_Azure_Storage/ContainerMenuBlade/~/overview/storageAccountId/%2Fsubscriptions%2F2a3c6418-97b9-4d96-a24b-2c2d7633d375%2Fr...

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

azuser3017_mml.local@...
TECHADEMY LEARNING SOLUTI...

Home > teststorageaccont2404 | Containers >

testblobcontainer
Container

Search

UploadChange access levelRefreshDeleteChange tierAcquire leaseBreak leaseView snapshotsCreate snapshotGive feedback

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

Authentication method: Access key (Switch to Microsoft Entra user account)

Location: testblobcontainer

Search blobs by prefix (case-sensitive)

Show deleted blobs

Add filter

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
<input type="checkbox"/> db_emps.json	4/24/2025, 10:22:24 ...	Hot (Inferred)		Block blob	433 B	Available ...
<input type="checkbox"/> Narasimha_Passport_1.jpg	4/24/2025, 10:21:41 ...	Hot (Inferred)		Block blob	45.28 KiB	Available ...

Confirmation

+

Add or remove favorites by pressing Ctrl+Shift+F

Search

ENG IN

10:22 AM
24-04-2025

Narasimha_Passport_1.jpg - Micro x

https://portal.azure.com/#view/Microsoft_Azure_Storage/BlobPropertiesBladeV2/storageAccountId/%2Fsubscriptions%2F2a3c6418-97b9-4d96-a24b-2c2d7633d375%2Fresourcegr...

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

azuser3017_mml.local@...
TECHADEMY LEARNING SOLUTL...

Home > teststorageaccont2404 | Containers > testblobcontainer >

testblobcontainer
Container

Search

Upload Change access level ...

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

Authentication method: Access key (Switch to Microsoft Entra user account)

Location: testblobcontainer

Search blobs by prefix (case-...

Show deleted blobs

Add filter

Name

db_emps.json

Narasimha_Passport_1.jpg

Narasimha_Passport_1.jpg
Blob

Save Discard Download Refresh Delete Change tier Acquire lease Break lease Give feedback

Overview Versions Snapshots Edit Generate SAS

Properties

URL

LAST MODIFIED 4/24/2025, 10:21:41 AM

CREATION TIME 4/24/2025, 10:21:41 AM

VERSION ID -

TYPE Block blob

SIZE 45.28 KiB

ACCESS TIER Hot (Inferred)

ACCESS TIER LAST MODIFIED N/A

ARCHIVE STATUS -

REHYDRATE PRIORITY -

SERVER ENCRYPTED true

ETAG 0x8DD82EBB459580C

VERSION-LEVEL IMMUTABILITY POLICY Disabled

CACHE-CONTROL

CONTENT-TYPE image/jpeg

CONTENT-MD5 uWld1tUGV5tUIX0ctGr63g==

CONTENT-ENCODING

CONTENT LANGUAGE

copy the url and test

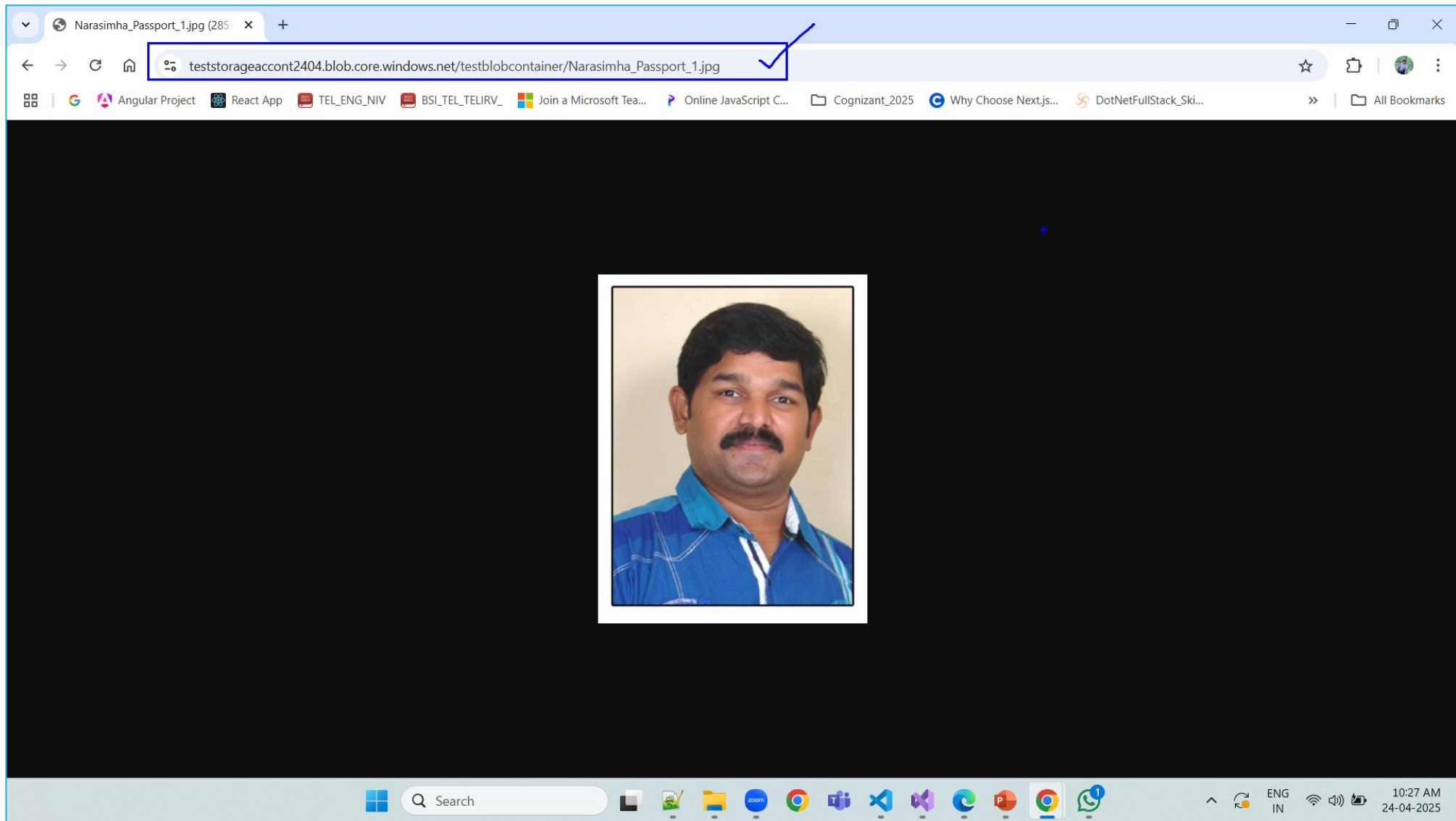
https://teststorageacco...

Add or remove favorites by pressing Ctrl+Shift+F

Search

ENG IN

10:26 AM
24-04-2025



Access Blob storage files from C# Application

Steps to Connect and Read a JSON File from Blob Storage Using C#

1. Set Up Your C# Console Application

- a. Open Visual Studio and create a new **Console App** project:
- b. Install the required NuGet package for Azure Blob Storage:
 - Package: `Azure.Storage.Blobs`
- c. Ensure you have the storage account connection string or access key:
 - In the Azure Portal, go to your storage account > **Access keys** > Copy the **Connection string** under key1 or key2.

Hands-Ons

3. Communicate between Applications with Azure Queue Storage

Microsoft Azure portal interface showing the details of a storage account named **teststorageacct2404**.

Left Navigation Panel:

- Overview
- Activity log
- Tags
- Diagnose and solve problems
- Access Control (IAM)
- Data migration
- Events
- Storage browser
- Storage Mover
- Partner solutions
- Resource visualizer
- Data storage** (selected)
- Containers
- File shares
- Queues** (highlighted with a blue box and a blue checkmark)
- Tables
- Security + networking

Essentials Section:

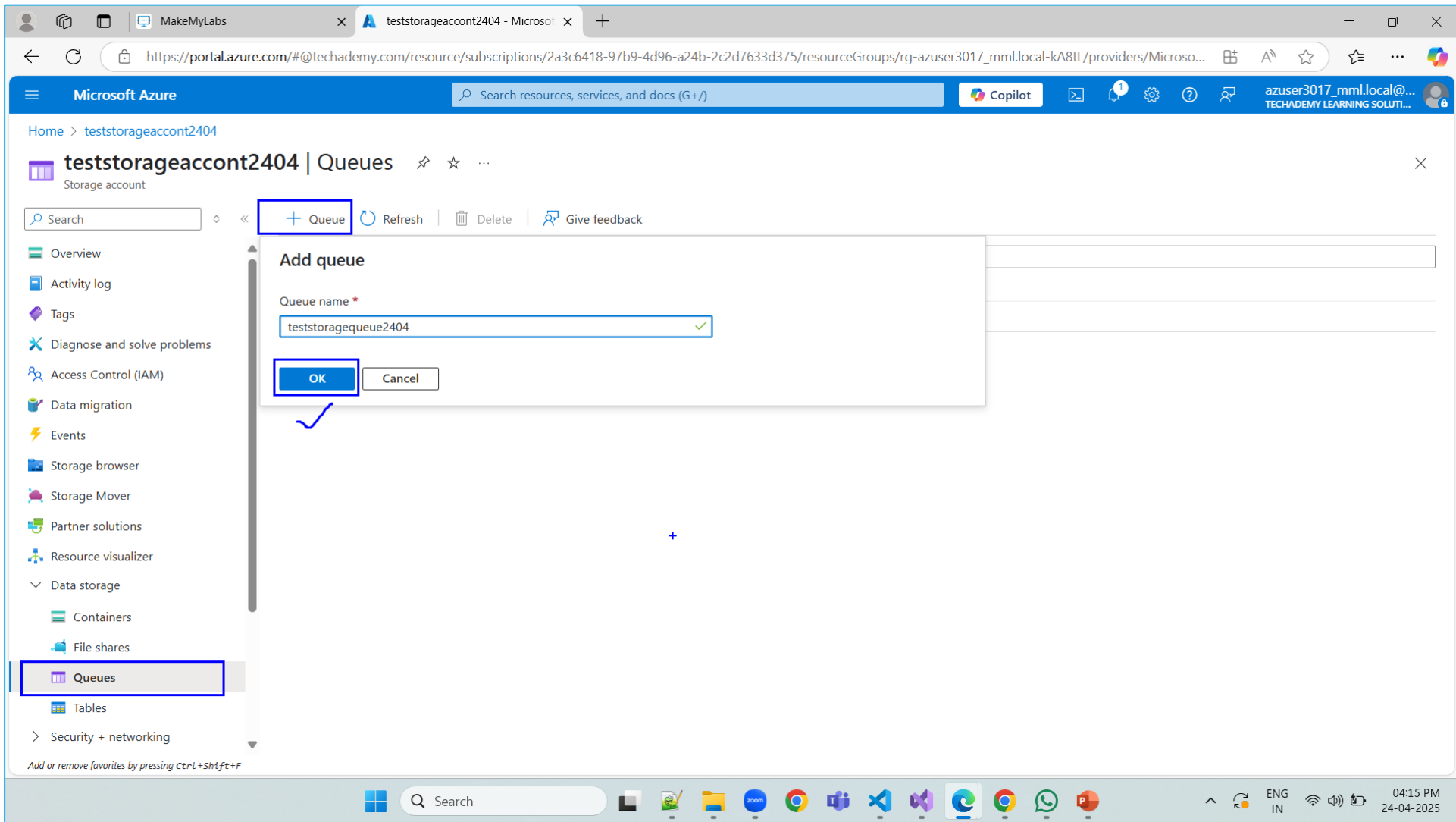
Property	Value
Resource group (move)	rg-azuser3017_mml.local-kA8tL
Location	centralindia
Subscription (move)	MML Learners
Subscription ID	2a3c6418-97b9-4d96-a24b-2c2d7633d375
Disk state	Available
Tags (edit)	Project : BlobStorage
Performance	Standard
Replication	Locally-redundant storage (LRS)
Account kind	StorageV2 (general purpose v2)
Provisioning state	Succeeded
Created	24/4/2025, 10:05:48 am

Properties Section:

Category	Property	Value
Blob service	Hierarchical namespace	Disabled
	Default access tier	Hot
	Blob anonymous access	Enabled
	Blob soft delete	Enabled (7 days)
	Container soft delete	Enabled (7 days)
	Versioning	Disabled
	Change feed	Disabled
	NFS v3	Disabled
	Allow cross-tenant replication	Disabled
	Security	Require secure transfer for REST API operations
Storage account key access		Enabled
Minimum TLS version		Version 1.2
Infrastructure encryption		Disabled
Networking	Allow access from	All networks
	Private endpoint connections	0

Windows Taskbar:

- Search bar
- Taskbar icons: File Explorer, Edge, Zoom, Chrome, Teams, VS Code, Word, PowerPoint, etc.
- System tray: Network, Volume, Date/Time (04:14 PM 24-04-2025)



Microsoft Azure portal interface showing the 'Queues' section for the storage account 'teststorageaccount2404'.

The left sidebar lists various services, with 'Queues' highlighted under 'Data storage'.

The main content area displays a table of queues. A queue named 'teststoragequeue2404' is listed, with its URL: `https://teststorageaccount2404.queue.core.windows.net/teststoragequeue2404`. A blue checkmark is next to the queue name, and the text 'Queue created' is displayed in the center.

The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 04:15 PM on 24-04-2025.

Microsoft Azure portal interface showing the Queue menu for 'teststoragequeue2404'. The queue contains three messages, each with an ID, Message text, Insertion time, Expiration time, and Dequeue count.

Queue: teststoragequeue2404

Authentication method: Access key (Switch to Microsoft Entra user account)

Id	Message text	Insertion time	Expiration time	Dequeue count
f2f4cd10-ec81-4312-...	{"Empno":101,"Ename":"John Doe","Deptno":10}	4/24/2025, 4:16:15 PM	5/1/2025, 4:16:15 PM	0
ff477d61-ce1f-48eb-...	{"Empno":102,"Ename":"Jane Smith","Deptno":20}	4/24/2025, 4:16:15 PM	5/1/2025, 4:16:15 PM	0
a2bff84d-1403-49f1-...	{"Empno":103,"Ename":"Bob Johnson","Deptno":10}	4/24/2025, 4:16:15 PM	5/1/2025, 4:16:15 PM	0

After sending the messages to queue⁺

Sending and receiving messages from C# Application

Thank You.....!