

Azure Storage Account & Container

Microsoft Azure

Search resources, services, and docs (G+)

Home > 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](#)

Project details

Subscription * ⓘ Azure for Students

Resource group * ⓘ storage-rg ✓

Resource details

Region * ⓘ (US) East US 2

[Review + create](#) [< Previous](#) [Next : Tags >](#)

Microsoft Azure

Search resources, services, and docs (G+)

Home > Storage accounts >

Create a storage account

Subscription * ⓘ Azure for Students

Resource group * ⓘ storage-rg
[Create new](#)

Instance details

Storage account name * ⓘ tempstoragepack

Region * ⓘ (US) East US 2
[Deploy to an Azure Extended Zone](#)

Performance * ⓘ Standard: Recommended for most scenarios (general-purpose v2 account)
 Premium: Recommended for scenarios that require low latency.

Redundancy * ⓘ Locally-redundant storage (LRS)

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Home > Storage accounts >

Create a storage account

Basics Advanced Networking Data protection Encryption Tags Review + create

Security

Configure security settings that impact your storage account.

Require secure transfer for REST API operations

Allow enabling anonymous access on individual containers

Enable storage account key access

Default to Microsoft Entra authorization in the Azure portal

Minimum TLS version

Permitted scope for copy operations (preview)

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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

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](#)

Network routing

Determine how to route your traffic as it travels from the source to its Azure endpoint. Microsoft network routing is

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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

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Home >

tempstoragepack_1720867410620 | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

Overview Inputs Outputs Template

Your deployment is complete

Deployment name: tempstoragepack_17208674106... Start time: 7/13/2024, 4:14:24 PM
 Subscription: Azure for Students Correlation ID: f1d9a412-ca26-409b-b544-8c49b3b45ea1 [Download](#)

Deployment details

Next steps

[Go to resource](#)

[Give feedback](#) [Tell us about your experience with deployment](#)

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Home > tempstoragepack_1720867410620 | Overview

tempstoragepack

Storage account

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

Overview JSON View

Essentials

Resource group (...): storage-rg	Performance: Standard
Location: eastus2	Replication: Locally-redundant storage (LRS)
Subscription (move): Azure for Students	Account kind: StorageV2 (general purpose v2)
Subscription ID: ca5224c7-5754-4288-91aa-9ba029f2951e	Provisioning state: Succeeded
Disk state: Available	Created: 7/13/2024, 4:14:30 PM
Tags (edit): Add tags	

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

Blob service

Hierarchical namespace: Disabled	Require secure transfer for REST API operations: Enabled
Default access tier: Hot	Storage account key access: Enabled
Blob anonymous access: Disabled	Minimum TLS version: Version 1.2
Blob soft delete: Enabled (7 days)	Infrastructure encryption: Disabled
Container soft delete: Enabled (7 days)	

Security

Containers

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Home > tempstoragepack_1720867410620 | Overview > tempstoragepack

tempstoragepack | 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
\$logs	7/13/2024, 4:14:57 PM	Private	Available

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tempstoragepack | 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
\$logs	7/13/2024, 4:14:57 PM	Private	Available

Containers

Storage browser Change access level

Storage Mover

Data storage

Containers File shares Queues Tables

File shares Queues Tables

Queues Tables

Tables

Security + networking

Data management

Settings

Monitoring

Monitoring (classic)

Automation

Help

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tempstoragepack | Containers

Storage account

Containers

File shares

Queues

Tables

\$logs

our-demo-container

Search containers by prefix

Show deleted containers

Name	Last modified	Anonymous access level	Lease state
\$logs	7/13/2024, 4:14:57 PM	Private	Available
our-demo-container	7/13/2024, 4:16:45 PM	Private	Available

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Home > tempstoragepack_1720867410620 | Overview > tempstoragepack | Containers >

our-demo-container

Container

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

Upload

Change access level

Refresh

Delete

Change tier

Acquire lease

Break lease

View snapshots

Create snapshot

Search blobs by prefix (case-sensitive)

Show deleted blobs

Add filter

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
leonard-cotte-unpla...	7/13/2024, 4:20:04 PM	Hot (Inferred)		Block blob	3.56 MiB	Available

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Home > tempstoragepack_1720867410620 | Overview > tempstoragepack | Containers > our-demo-container >

our-demo-container 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: our-demo-container

Search blobs by prefix (case-insensitive): Show deleted blobs

Add filter

Name: leonard-cotte-unsplash.jpg ...

leonard-cotte-unsplash.jpg ...

Blob

Save Discard Download Refresh Delete Change tier Acquire lease ...

Overview Versions Snapshots Edit Generate SAS

Properties

URL	https://tempstoragepac...
LAST MODIFIED	7/13/2024, 4:20:04 PM
CREATION TIME	7/13/2024, 4:20:04 PM
VERSION ID	-
TYPE	Block blob
SIZE	3.56 MiB
ACCESS TIER	Hot (Inferred)
ACCESS TIER LAST MODIFIED	N/A
ARCHIVE STATUS	-
REHYDRATE PRIORITY	-
SERVER ENCRYPTED	true
ETAG	0x8DCA3298DA6ED7B
VERSION-LEVEL IMMUTABILITY POLICY	Disabled
CACHE-CONTROL	[Redacted]

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<Error>
  <Code>PublicAccessNotPermitted</Code>
  <Message>Public access is not permitted on this storage account. RequestId:6971cb8c-b01e-0069-0c12-d57a7d000000 Time:2024-07-13T10:51:13.0230098Z</Message>
</Error>
```

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Home > Storage accounts >

Create a storage account

Subscription * Azure for Students

Resource group * storage-rg [Create new](#)

Instance details

Storage account name * tempstoragepack2

Region * (US) East US 2 [Deploy to an Azure Extended Zone](#)

Performance * **Standard:** Recommended for most scenarios (general-purpose v2 account)
 Premium: Recommended for scenarios that require low latency.

Redundancy * Locally-redundant storage (LRS)

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Security

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Allow enabling anonymous access on individual containers

Enable storage account key access

Default to Microsoft Entra authorization in the Azure portal

Minimum TLS version * Version 1.2

Permitted scope for copy operations (preview) * From any storage account

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Home > Deployment | tempstoragepack2_1720867925318 | Overview | X

Deployment | Overview | Search | Delete | Cancel | Redeploy | Download | Refresh

Deployment is complete

Deployment name: tempstoragepack2_1720867925318 | Start time: 7/13/2024, 4:22:29 PM | Subscription: Azure for Students | Correlation ID: e1f41612-db3c-4d9e-8272-da6245d5cd6

Deployment details | Next steps | Go to resource | Give feedback | Tell us about your experience with deployment

Cost Management | Microsoft Defender for Cloud | Free Microsoft tutorials | Work with an expert

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Home > tempstoragepack2_1720867925318 | Overview | X

Storage account | Overview | Search | Upload | Open in Explorer | Delete | Move | Refresh | Open in mobile | CLI / PS | Feedback | JSON View

Activity log | Tags | Diagnose and solve problems | Access Control (IAM) | Data migration | Events | Storage browser | Storage Mover | Data storage | Containers | File shares | Queues | Tables | Essentials | Properties | Monitoring | Capabilities (7) | Recommendations (0) | Tutorials | Tools + SDKs

Resource group: storage-rg | Location: eastus2 | Subscription (move): Azure for Students | Subscription ID: ca5224c7-5754-4288-91aa-9ba029f2951e | Disk state: Available | Tags (edit): Add tags

Performance: Standard | Replication: Locally-redundant storage (LRS) | Account kind: StorageV2 (general purpose v2) | Provisioning state: Succeeded | Created: 7/13/2024, 4:22:34 PM

Blob service | Security

Hierarchical namespace	Disabled	Require secure transfer for REST API operations	Enabled
Default access tier	Hot	Storage account key access	Enabled
Blob anonymous access	Enabled	Minimum TLS version	Version 1.2
Blob soft delete	Enabled (7 days)	Infrastructure encryption	Disabled
Container soft delete	Enabled (7 days)		

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DEFAULT DIRECTORY (SUBHAM...)

Home > tempstoragepack2_1720867925318 | Overview > tempstoragepack2

tempstoragepack2 | 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
\$logs	7/13/2024, 4:22:58 PM	Private	Available

Overview Activity log Tags Diagnose and solve problems Access Control (IAM) Data migration Events Storage browser Storage Mover Data storage Containers File shares Queues Tables

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Home > tempstoragepack2_1720867925318 | Overview > tempstoragepack2

tempstoragepack2 | Containers

Storage account

Search

+ Container Change access level Restore containers Refresh Delete Give feedback

Search containers by prefix

Name	Last modified	Anonymous access level
\$logs	7/13/2024, 4:22:58 PM	Container (anonymous read access for containers and blobs)

New container

Name * my-demo-container2

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

Overview Activity log Tags Diagnose and solve problems Access Control (IAM) Data migration Events Storage browser Storage Mover Data storage Containers File shares Queues Tables

Microsoft Azure

Home > tempstoragepack2_1720867925318 | Overview > tempstoragepack2

tempstoragepack2 | 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
\$logs	7/13/2024, 4:22:58 PM	Private	Available
my-demo-container2	7/13/2024, 4:24:26 PM	Container	Available

Overview Activity log Tags Diagnose and solve problems Access Control (IAM) Data migration Events Storage browser Storage Mover Data storage Containers File shares Queues Tables

Successfully created storage container
Successfully created storage container 'my-demo-container2'.

Microsoft Azure

Home > tempstoragepack2_1720867925318 | Overview > tempstoragepack2 | Containers >

my-demo-container2

Container

Search

Upload Change access level Refresh Delete Change t

Authentication method: Access key (Switch to Microsoft Entra user account)
Location: my-demo-container2

Search blobs by prefix (case-sensitive)

Add filter

Name	Modified	Access tier
No results		

Upload blob

1 file(s) selected: leonard-cotte-unplash.jpg
Drag and drop files here or [Browse for files](#)

Overwrite if files already exist

Advanced

Upload Give feedback

Microsoft Azure

Search resources, services, and docs (G+)

Home > tempstoragepack2_1720867925318 | Overview > tempstoragepack2 | Containers >

my-demo-container2 Container

Overview

Authentication method: Access key (Switch to Microsoft Entra user account)
Location: my-demo-container2

Search blobs by prefix (case-sensitive) Show deleted blobs

Add filter

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
leonard-cotte-unsplash.jpg	7/13/2024, 4:24:48 PM	Hot (Inferred)	-	Block blob	3.56 MiB	Available

Successfully uploaded blob(s)
Successfully uploaded 1 blob(s).

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Search resources, services, and docs (G+)

Home > tempstoragepack2_1720867925318 | Overview > tempstoragepack2 | Containers > my-demo-container2 >

my-demo-container2 Container

Overview

Authentication method: Access key (Switch to Microsoft Entra user account)
Location: my-demo-container2

Search blobs by prefix (case-sensitive) Show deleted blobs

Add filter

leonard-cotte-unsplash.jpg

blob

Save Discard Download Refresh Delete Change tier Acquire lease

Overview Versions Snapshots Edit Generate SAS

Properties	
URL	https://tempstoragepac...
LAST MODIFIED	7/13/2024, 4:24:48 PM
CREATION TIME	7/13/2024, 4:24:48 PM
VERSION ID	-
TYPE	Block blob
SIZE	3.56 MiB
ACCESS TIER	Hot (Inferred)
ACCESS TIER LAST MODIFIED	N/A
ARCHIVE STATUS	-
REHYDRATE PRIORITY	-
SERVER ENCRYPTED	true
ETAG	0x8DCA32A36B9AF09
VERSION-LEVEL IMMUTABILITY POLICY	Disabled
CACHE-CONTROL	[redacted]

Successfully uploaded blob(s)
Successfully uploaded 1 blob(s).



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DEFAULT DIRECTORY (SUBHAM...)

Home > tempstoragepack2_1720867925318 | Overview > tempstoragepack2 | Containers >

my-demo-container2 Container

Search

Upload Change access level Refresh Delete Change tier

Authentication method: Access key (Switch to Microsoft Entra user account)
Location: my-demo-container2

Search blobs by prefix (case-sensitive)

Add filter

Name	Modified	Access tier
leonard-cotte-unsplash...	7/13/2024, 4:24:48 PM	Hot (Inferred)

Upload blob

1 file(s) selected: student.py

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

Overwrite if files already exist

Advanced

Upload Give feedback

Microsoft Azure

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Home > tempstoragepack2_1720867925318 | Overview > tempstoragepack2 | Containers > my-demo-container2 >

my-demo-container2

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: my-demo-container2

Search blobs by prefix (case-...)
Show deleted blobs

Add filter

Name

- leopard-cotte-unsplash.jpg
- student.py

student.py

Save Discard Download Refresh Delete Change tier Acquire lease

Overview Versions Snapshots Edit Generate SAS

Properties

URL	https://tempstoragepac...
LAST MODIFIED	7/13/2024, 4:29:39 PM
CREATION TIME	7/13/2024, 4:29:39 PM
VERSION ID	-
TYPE	Block blob
SIZE	1.34 KiB
ACCESS TIER	Hot (Inferred)
ACCESS TIER LAST MODIFIED	N/A
ARCHIVE STATUS	-
REHYDRATE PRIORITY	-
SERVER ENCRYPTED	true
ETAG	0x8DCA32AE4107398
VERSION-LEVEL IMMUTABILITY POLICY	Disabled
CACHE-CONTROL	[redacted]

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my-demo-container2

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: my-demo-container2

Search blobs by prefix (case-...)
Show deleted blobs

Add filter

Name

- leopard-cotte-unsplash.jpg
- student.py

student.py

Create snapshot Refresh Download Promote Delete Change tier

Overview Versions Snapshots Edit Generate SAS

Filter snapshots Show deleted snapshots

Name	Modified	Access tier	Blob type	Content type
student.py (7/13/2024, 4:29:39 PM)	7/13/2024, 4:29:39 PM	Hot	Block blob	text/x-python

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my-demo-container2

Container

Search

Upload Change access level

Overview Authentication method: Access key (Switch to Microsoft Entra user account)
Location: my-demo-container2

Diagnose and solve problems

Access Control (IAM)

Settings

Add filter

Name

leonard-cotte-unsplash.jpg

student.py

Save Discard Download Refresh Delete

Overview Versions Snapshots Edit Generate SAS

student.py

blob

```
1 class Student:
2     def __init__(self, student_id, name, age, major):
3         self.student_id = student_id
4         self.name = name
5         self.age = age
6         self.major = major
7
8     def display_student_info(self):
9         print("Student ID: " + str(self.student_id))
10        print("Name: " + self.name)
11        print("Age: " + str(self.age))
12        print("Major: " + self.major)
13
14 class StudentManagementSystem:
15     def __init__(self):
```

Python Preview

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my-demo-container2

Container

Search

Upload Change access level

Overview Authentication method: Access key (Switch to Microsoft Entra user account)
Location: my-demo-container2

Diagnose and solve problems

Access Control (IAM)

Settings

Add filter

Name

leonard-cotte-unsplash.jpg

student.py

Save Discard Download Refresh Delete

Overview Versions Snapshots Edit Generate SAS

student.py

Blob

```
1 # This is a student management system program
2
3 class Student:
4     def __init__(self, student_id, name, age, major):
5         self.student_id = student_id
6         self.name = name
7         self.age = age
8         self.major = major
9
10    def display_student_info(self):
11        print("Student ID: " + str(self.student_id))
12        print("Name: " + self.name)
13        print("Age: " + str(self.age))
14        print("Major: " + self.major)
15
```

Python Preview

```
class Student:
    def __init__(self, student_id, name, age, major):
        self.student_id = student_id
        self.name = name
        self.age = age
        self.major = major

    def display_student_info(self):
        print(f"Student ID: {self.student_id}")
        print(f"Name: {self.name}")
        print(f"Age: {self.age}")
        print(f"Major: {self.major}")

class StudentManagementSystem:
    def __init__(self):
        self.students = []

    def add_student(self, student):
        self.students.append(student)
        print(f"Student {student.name} added successfully.")

    def display_all_students(self):
        if not self.students:
            print("No students in the system.")
        else:
            for student in self.students:
                student.display_student_info()
            print("")

if __name__ == "__main__":
    # Create the student management system
    sms = StudentManagementSystem()

    # Static inputs
    student1 = Student(1, "Alice Johnson", 20, "Computer Science")
    student2 = Student(2, "Bob Smith", 22, "Mathematics")
```

```
# This is a student management system program

class Student:
    def __init__(self, student_id, name, age, major):
        self.student_id = student_id
        self.name = name
        self.age = age
        self.major = major

    def display_student_info(self):
        print(f"Student ID: {self.student_id}")
        print(f"Name: {self.name}")
        print(f"Age: {self.age}")
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Home > tempstoragepack2_1720867925318 | Overview > tempstoragepack2 | Containers > my-demo-container2 >

my-demo-container2

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: my-demo-container2

Search blobs by prefix (case-insensitive): student.py Show deleted blobs

Add filter

Name

leopard-cotte-unsplash.jpg student.py

student.py

... Blob

Create snapshot Refresh Download Promote Delete Change tier

Overview Versions Snapshots Edit Generate SAS

Filter snapshots

Show deleted snapshots

Name	Modified	Access tier	Blob type	Content type
student.py (7/13/2024, 4:29:39 PM)	7/13/2024, 4:29:39 PM	Hot	Block blob	text/x-python

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class Student:
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