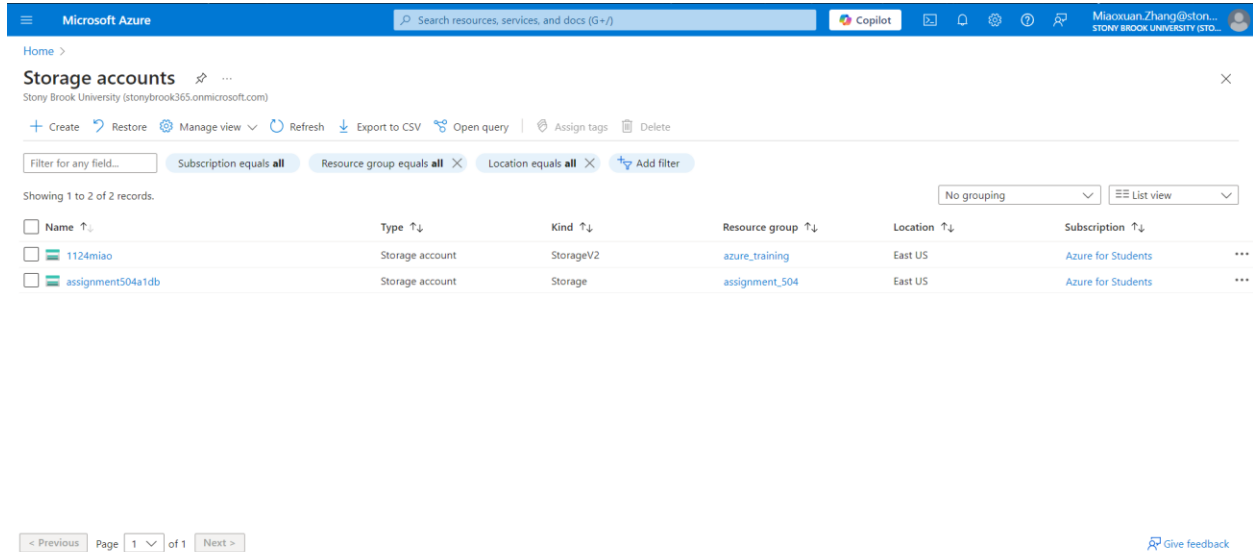


# Assignment: Working with Cloud Storage in Azure and GCP

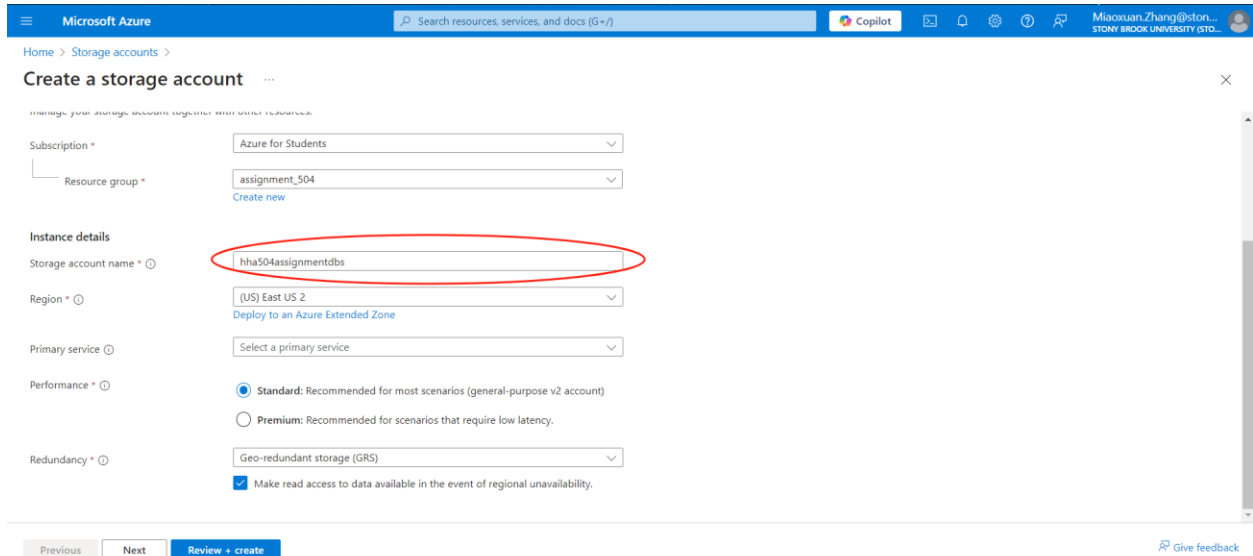
## Azure



The screenshot shows the 'Storage accounts' page in the Microsoft Azure portal. The page header includes the Microsoft Azure logo, a search bar, and a Copilot button. The user is logged in as Miaoxian.Zhang@ston... from Stony Brook University. The page title is 'Storage accounts' with a star icon and a close button. Below the title, there are links for 'Create', 'Restore', 'Manage view', 'Refresh', 'Export to CSV', 'Open query', 'Assign tags', and 'Delete'. A filter bar shows 'Subscription equals all', 'Resource group equals all', and 'Location equals all'. The table displays two storage accounts:

Name	Type	Kind	Resource group	Location	Subscription
1124miao	Storage account	StorageV2	azure_training	East US	Azure for Students
assignment504a1db	Storage account	Storage	assignment_504	East US	Azure for Students

At the bottom, there are navigation buttons: '< Previous', 'Page 1 of 1', and 'Next >'. A 'Give feedback' link is also present.



The screenshot shows the 'Create a storage account' page in the Microsoft Azure portal. The page header is the same as the previous screenshot. The page title is 'Create a storage account'. Below the title, there is a note: 'Manage your storage account together with other resources.' The form includes the following fields:

- Subscription \*: Azure for Students
- Resource group \*: assignment\_504
- Instance details:
  - Storage account name \*: hha504assignmentdb (highlighted with a red circle)
  - Region \*: (US) East US 2
  - Primary service \*: Select a primary service
  - Performance \*: Standard: Recommended for most scenarios (general-purpose v2 account) (selected)
  - Redundancy \*: Geo-redundant storage (GRS)

At the bottom, there are navigation buttons: 'Previous', 'Next', and 'Review + create'. A 'Give feedback' link is also present.

Microsoft Azure

Search resources, services, and docs (G+J)

Copilot

Miaowan.Zhang@ston...  
STONY BROOK UNIVERSITY (STO...

Home > Storage accounts >

Create a storage account

Resource group \*

assignment\_504  
[Create new](#)

Instance details

Storage account name \*

hha504assignmentdb5

Region \*

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

Primary service \*

Azure Blob Storage or Azure Data Lake Storage Gen 2

Primary workload \*

Other  
Customize your storage account for your workload or with a modifiable recommended preset based on best practice. See [summary table for recommended presets](#)

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](#)

Microsoft Azure

Search resources, services, and docs (G+J)

Copilot

Miaowan.Zhang@ston...  
STONY BROOK UNIVERSITY (STO...

Home > Storage accounts >

Create a storage account

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 \*

Version 1.2

Permitted scope for copy operations (preview) \*

From any storage account

Hierarchical Namespace

Hierarchical namespace, complemented by Data Lake Storage Gen2 endpoint, enables file and directory semantics, accelerates big data analytics workloads, and enables access control lists (ACLs) [Learn more](#)

Enable hierarchical namespace \*

☐

Access protocols

Blob and Data Lake Gen2 endpoints are provisioned by default [Learn more](#)

Previous

Next

Review + create

[Give feedback](#)

Microsoft Azure

Search resources, services, and docs (G+J)

Copilot

Miaowan.Zhang@ston...  
STONY BROOK UNIVERSITY (STO...

Home > Storage accounts >

Create a storage account

BasicsAdvancedNetworkingData protectionEncryptionTagsReview + 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](#)

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

PreviousNextReview + create

Give feedback

Microsoft Azure

Search resources, services, and docs (G+J)

Copilot

Miaowan.Zhang@ston...  
STONY BROOK UNIVERSITY (STO...

Home > Storage accounts >

Create a storage account

BasicsAdvancedNetworkingData protectionEncryptionTagsReview + create

Recovery

Protect your data from accidental or erroneous deletion or modification.

☐ Enable point-in-time restore for containers

Use point-in-time restore to restore one or more containers to an earlier state. If point-in-time restore is enabled, then versioning, change feed, and blob soft delete must also be enabled. [Learn more](#)

☒ Enable soft delete for blobs

Soft delete enables you to recover blobs that were previously marked for deletion, including blobs that were overwritten. [Learn more](#)

Days to retain deleted blobs 7

☒ Enable soft delete for containers

Soft delete enables you to recover containers that were previously marked for deletion. [Learn more](#)

Days to retain deleted containers 7

☒ Enable soft delete for file shares

Soft delete enables you to recover file shares that were previously marked for deletion. [Learn more](#)

PreviousNextReview + create

Give feedback

Microsoft Azure

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Copilot

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STONY BROOK UNIVERSITY (STO...

Home > Storage accounts >

Create a storage account

BasicsAdvancedNetworkingData protectionEncryptionTagsReview + 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 ⓘ  
☐

PreviousNextReview + create

Give feedback

Microsoft Azure

Search resources, services, and docs (G+J)

Copilot

Miaowan.Zhang@ston...  
STONY BROOK UNIVERSITY (STO...

Home > Storage accounts >

Create a storage account

BasicsAdvancedNetworkingData protectionEncryptionTagsReview + create

[View automation template](#)

Basics

Subscription	Azure for Students
Resource group	assignment_504
Location	East US 2
Storage account name	hha504assignmentdb
Primary service	Azure Blob Storage or Azure Data Lake Storage Gen 2
Primary workload	
Performance	Standard
Replication	Locally-redundant storage (LRS)

Advanced

Enable hierarchical namespace	Disabled
Enable SFTP	Disabled
Enable network file system v3	Disabled

PreviousNextCreate

Give feedback

Home >

hha504assignmentdbs\_1728850880051 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name: hha504assignmentdbs\_1728850880051

Subscription: Azure for Students

Resource group: assignment\_504

Start time: 10/13/2024, 4:34:22 PM

Correlation ID: e60b59dd-b7ce-45c4-b6a7-74cd7a37ea83

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 >

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Work with an expert

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Find an Azure expert >

Home >

Storage accounts

Stony Brook University (stonybrook365.onmicrosoft.com)

Create Restore Manage view Refresh Export to CSV Open query Assign tags Delete

Filter for any field...

Subscription equals all

Resource group equals all

Location equals all

Add filter

Showing 1 to 3 of 3 records.

No grouping

List view

Name	Type	Kind	Resource group	Location	Subscription	
1124miao	Storage account	StorageV2	azure_training	East US	Azure for Students	...
assignment504a1db	Storage account	Storage	assignment_504	East US	Azure for Students	...
hha504assignmentdbs	Storage account	StorageV2	assignment_504	East US 2	Azure for Students	...

< Previous

Page 1 of 1

Next >

Give feedback

Microsoft Azure

Search resources, services, and docs (G+J)

Copilot

Miaoquan.Zhang@ston...  
STONY BROOK UNIVERSITY (STO...

Home > Storage accounts >

assignment504a1db

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

Storage browser

Storage Mover

Partner solutions

Data storage

Containers

File shares

Queues

Tables

Security + networking

Data management

Essentials

Resource group (move) : assignment\_504

Location : eastus

Subscription (move) : Azure for Students

Subscription ID : 821484d2-f1b5-45b0-a2b9-794830ed812e

Disk state : Available

Tags (edit) : Add tags

Performance : Standard

Replication : Locally-redundant storage (LRS)

Account kind (change) : Storage (general purpose v1)

Provisioning state : Succeeded

Created : 10/4/2024, 3:06:17 PM

JSON View

Properties Monitoring Capabilities (5) Recommendations (2) Tutorials Tools + SDKs

Blob service

Hierarchical namespace Disabled

Blob anonymous access Disabled

Blob soft delete Disabled

Container soft delete Disabled

Versioning Disabled

Change feed Disabled

NFS v3 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

Microsoft Azure

Search resources, services, and docs (G+J)

Copilot

Miaoquan.Zhang@ston...  
STONY BROOK UNIVERSITY (STO...

Home > Storage accounts > assignment504a1db

assignment504a1db | 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"/> azure-webjobs-hosts	10/4/2024, 3:17:08 PM	Private	Available	...
<input type="checkbox"/> azure-webjobs-secrets	10/4/2024, 3:17:04 PM	Private	Available	...
<input type="checkbox"/> hha504assignment	10/13/2024, 5:12:55 PM	Private	Available	...
<input type="checkbox"/> scm-releases	10/4/2024, 3:06:41 PM	Private	Available	...

Microsoft Azure

Search resources, services, and docs (G+J)

Copilot

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STONY BROOK UNIVERSITY (STO...

Home > assignment504a1db | Containers >

hha504assignment

Container

Search

Upload

Change access level

Refresh

Delete

Change tier

Acquire lease

Break lease

View snapshots

Create snapshot

Give feedback

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

You do not have permissions to list the data using your user account with Microsoft Entra ID. Click to learn more about authenticating with Microsoft Entra ID.  
This request is not authorized to perform this operation using this permission.  
Requestid:50ea81f5-601e-0055-77b5-1d15f000000  
Time:2024-10-13T21:15:34.607Z7992

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

Location:

Search blobs by prefix (case-sensitive)

Show deleted blobs

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
No results						

Microsoft Azure

Search resources, services, and docs (G+J)

Copilot

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STONY BROOK UNIVERSITY (STO...

Home > Storage accounts >

Create a storage account

Create new

Instance details

Storage account name \*

Region \*

Primary service

Primary workload

Performance \*

Redundancy \*

miaomiao

(US) East US  
Deploy to an Azure Extended Zone

Azure Blob Storage or Azure Data Lake Storage Gen 2

Select...

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

Premium: Recommended for scenarios that require low latency.

Geo-redundant storage (GRS)  
Make read access to data available in the event of regional unavailability.

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Review + create

Give feedback

Microsoft Azure

Search resources, services, and docs (G+J)

Copilot

Miaowuan.Zhang@ston...  
STONY BROOK UNIVERSITY (STO...

Home > Storage accounts >

Create a storage account ...

Basics

Subscription

Azure for Students

Resource group

assignment\_504

Location

East US

Storage account name

miaomiao

Primary service

Azure Blob Storage or Azure Data Lake Storage Gen 2

Primary workload

Performance

Standard

Replication

Read-access geo-redundant storage (RA-GRS)

Advanced

Enable hierarchical namespace

Disabled

Enable SFTP

Disabled

Enable network file system v3

Disabled

Allow cross-tenant replication

Disabled

Access tier

Hot

Enable large file shares

Enabled

Previous

Next

Create

Give feedback

Microsoft Azure

Search resources, services, and docs (G+J)

Copilot

Miaowuan.Zhang@ston...  
STONY BROOK UNIVERSITY (STO...

Home >

miaomiao\_1728874732466

Overview

Deployment

Search

Delete

Cancel

Redeploy

Download

Refresh

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name: miaomiao\_1728874732466

Subscription: Azure for Students

Resource group: assignment\_504

Start time: 10/13/2024, 10:59:24 PM

Correlation ID: edeea2fc-a1dd-42f4-b7f0-d3ec6c0dba62

Deployment details

Next steps

Go to resource

Give feedback

Tell us about your experience with deployment

Cost Management

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

Home > miaomiao\_1728874732466 | Overview

**miaomiao** 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 | Containers | File shares | Queues | Tables | Security + networking

**Essentials**

Resource group (move) : [assignment\\_504](#)

Location : eastus

Primary/Secondary Loca... : Primary: East US, Secondary: West US

Subscription (move) : [Azure for Students](#)

Subscription ID : 821484d2-f1b5-45b0-a2b9-794830ed812e

Disk state : Primary: Available, Secondary: Available

Tags (edit) : Add tags

Performance : Standard

Replication : Read-access geo-redundant storage (RA-GRS)

Account kind : StorageV2 (general purpose v2)

Provisioning state : Succeeded

Created : 10/13/2024, 10:59:25 PM

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

**Blob service**

Hierarchical namespace	Disabled
Default access tier	Hot
Blob anonymous access	Disabled
Blob soft delete	Enabled (7 days)
Container soft delete	Enabled (7 days)
Versioning	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**

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

Home > miaomiao\_1728874732466 | Overview > miaomiao

**miaomiao | 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	10/13/2024, 10:59:53 PM	Private

**New container**

Name \* :  ✓

Anonymous access level :  ✓

The access level is set to private because anonymous access is disabled on this storage account.

Advanced

Create

Give feedback

- **GCP Cloud Storage:**

Google Cloud

Miaoxuan-Zhang-hha504

cloud storage

Search

8

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M

Cloud Storage

Overview

Buckets

Monitoring

Settings

Marketplace

Release Notes

<

Buckets

CREATE

REFRESH

GO TO PATH

LEARN

Review the soft delete settings on your buckets. Billing for soft deleted objects will begin on September 1st.

LEARN MORE

MANAGE SOFT DELETE POLICIES

A new Cloud Storage overview page has been released. It will become the Cloud Storage landing page in October 2024.

TAKE A LOOK

Filter

Filter buckets

?

||

Name

Created

Location type

Location

Default storage class

?

Last modified

Public access


?

Access control

?

Prote

No rows to display



Store and retrieve your data

Get started by creating a bucket — a container where you can organize and

Create

Google Cloud

Miaoxuan-Zhang-hha504

cloud storage

Search

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Cloud Storage

Overview

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Create a bucket

<

Get Started

Pick a globally unique, permanent name. [Naming guidelines](#)

Ex: 'example', 'example\_bucket-1', or 'example.com'

Tip: Don't include any sensitive information

Optimize storage for data-intensive workloads

Labels (optional)

CONTINUE

Good to know

Location pricing

Storage rates vary depending on the storage class of your data and location of your bucket. [Pricing details](#)

Current configuration: Multi-region / Standard

Item	Cost
us (multiple regions in United States)	\$0.026 per GB-month
With default replication	\$0.020 per GB written

ESTIMATE YOUR MONTHLY COST

Choose where to store your data

Location: us (multiple regions in United States)

Location type: Multi-region

Choose a storage class for your data

Default storage class: Standard

Choose how to control access to objects

Public access prevention: On

Access control: Uniform

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cloud storage

Search

Cloud Storage

Overview **PREVIEW**

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Cloud Storage

Create a bucket

Get Started

Pick a globally unique, permanent name. [Naming guidelines](#)

hha504-assignment-dbs

Tip: Don't include any sensitive information

Optimize storage for data-intensive workloads

☒ **Enable Hierarchical namespace on this bucket**

Optimize for AI/ML and analytics with a filesystem-like hierarchical structure. This permanent option enables atomic folder renames, faster folder listing, and other enhancements not available in Cloud Storage's standard buckets that uses flat namespace.

Labels (optional)

CONTINUE

Choose where to store your data

Location: us (multiple regions in United States)

Location type: Multi-region

Choose a storage class for your data

Default storage class: Standard

Good to know

Location pricing

Storage rates vary depending on the storage class of your data and location of your bucket. [Pricing details](#)

Current configuration: Multi-region / Standard

Item	Cost
us (multiple regions in United States)	\$0.026 per GB-month
With default replication	\$0.020 per GB written

ESTIMATE YOUR MONTHLY COST

Google Cloud

Miaoxuan-Zhang-hha504

cloud storage

Search

Cloud Storage

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Cloud Storage

Create a bucket

Choose where to store your data

This choice defines the geographic placement of your data and affects cost, performance, and availability. Cannot be changed later. [Learn more](#)

Location type

☐ Multi-region

Highest availability across largest area

☐ Dual-region

High availability and low latency across 2 regions

☒ **Region**

Lowest latency within a single region

us-east1 (South Carolina)

☐ Add cross-bucket replication via Storage Transfer Service

As data is added or changed, replicate it to another bucket, enabling you to store a copy that follows different bucket settings - e.g., region, storage class, etc. [Learn more](#)

CONTINUE

Choose a storage class for your data

Default storage class: Standard

Google Cloud

Miaoxuan-Zhang-hha504

cloud storage

X

Search

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📄

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Cloud Storage

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<|

← Create a bucket

>|

specify a default storage class based on how long you plan to store your data and your workload or use case. [Learn more](#)

Autoclass is not supported for buckets with hierarchical namespaces.

☐ Autoclass  
Automatically transitions each object to Standard or Nearline class based on object-level activity, to optimize for cost and latency. Recommended if usage frequency may be unpredictable. Can be changed to a default class at any time. [Pricing details](#)

☒ Set a default class  
Applies to all objects in your bucket unless you manually modify the class per object or set object lifecycle rules. ~~Best when your usage is highly predictable.~~

Standard  
Best for short-term storage and frequently accessed data

☐ Nearline  
Best for backups and data accessed less than once a month

☐ Coldline  
Best for disaster recovery and data accessed less than once a quarter

☐ Archive  
Best for long-term digital preservation of data accessed less than once a year

CONTINUE

Choose how to control access to objects

Public access prevention: On

Access control: Uniform

Google Cloud

Miaoxuan-Zhang-hha504

cloud storage

X

Search

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📦

📄

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Cloud Storage

Overview **PREVIEW**

Buckets

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Release Notes

<|

← Create a bucket

>|

Choose how to control access to objects

Prevent public access  
Restrict data from being publicly accessible via the internet. Will prevent this bucket from being used for web hosting. [Learn more](#)

☒ Enforce public access prevention on this bucket

Access control

☒ Uniform  
Ensure uniform access to all objects in the bucket by using only bucket-level permissions (IAM). This option becomes permanent after 90 days. [Learn more](#)

Uniform bucket-level access is required for Hierarchical namespace buckets.

☐ Fine-grained  
Specify access to individual objects by using object-level permissions (ACLs) in addition to your bucket-level permissions (IAM). [Learn more](#)

CONTINUE

Choose how to protect object data

Soft delete policy: Default

Object versioning: Disabled

Bucket retention policy: Disabled

Object retention: Disabled

Google Cloud

Miaoxuan-Zhang-hha504

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Search

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⋮

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Cloud Storage

Overview **PREVIEW**

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Create a bucket

Your data is always protected with Cloud Storage but you can also choose from these additional data protection options to add extra layers of security.

Data protection

☒ Soft delete policy (For data recovery)

When enabled, this bucket and its objects will be kept for a specified period after they're deleted and can be restored during this time. [Learn more](#)

☒ Use default retention duration

All buckets have a 7 day soft delete duration by default, unless this default has been customized by your organization administrator.

☐ Set custom retention duration

Specify how long this bucket and its objects should be retained after they're deleted. Setting a "0" duration disables soft delete, meaning any deleted objects will be permanently deleted.

☒ Object versioning (For version control)

For restoring deleted or overwritten objects. To minimize the cost of storing versions, we recommend limiting the number of noncurrent versions per object and scheduling them to expire after a number of days. [Learn more](#)

Max. number of versions per object

10

If you want overwrite protection, increase the count to at least 2 versions per object. Version count includes live and noncurrent versions.

Expire noncurrent versions after

30

days

7 days recommended for Standard storage class

☐ Retention (For compliance)

Google Cloud

Miaoxuan-Zhang-hha504

cloud storage

Search

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Cloud Storage

Overview **PREVIEW**

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Create a bucket

will be permanently deleted.

☒ Object versioning (For version control)

For restoring deleted or overwritten objects. To minimize the cost of storing versions, we recommend limiting the number of noncurrent versions per object and scheduling them to expire after a number of days. [Learn more](#)

Max. number of versions per object

10

If you want overwrite protection, increase the count to at least 2 versions per object. Version count includes live and noncurrent versions.

Expire noncurrent versions after

30

days

7 days recommended for Standard storage class

☐ Retention (For compliance)

For preventing the deletion or modification of the bucket's objects for a specified period of time.

Data encryption

☒ Google-managed encryption key

Keys owned by Google

☐ Cloud KMS key

Keys owned by customers

You can now automate creation of Cloud KMS keys using Autokey.

DISMISS

LEARN MORE

SHOW LESS

Google Cloud console interface showing the 'Bucket details' page for 'hha504-assignment-dbs'. The bucket is located in 'us-east1 (South Carolina)' with 'Standard' storage class, 'Not public' access, and 'Soft Delete, Object versioning' protection. The 'Folder browser' tab is active, showing a list of objects. A notification at the bottom states: 'Created bucket hha504-assignment-dbs'.

- Upload a similar sample file to the bucket using the GCP Console.

Google Cloud console interface showing the 'Bucket details' page for 'hha504-assignment-dbs'. The bucket is located in 'us-east1 (South Carolina)' with 'Standard' storage class, 'Not public' access, and 'Soft Delete, Object versioning' protection. The 'Folder browser' tab is active, showing a list of objects. A notification at the bottom states: '1 file successfully uploaded'. The 'Uploads and Miaoxuan-Zhang-hha504 operations' panel shows the upload of 'mod3\_sparcs\_descriptive\_2022.py' (5 KB, text/x-python) on Oct 9, 2024, 4:06:41 PM, with a status of 'Complete'.

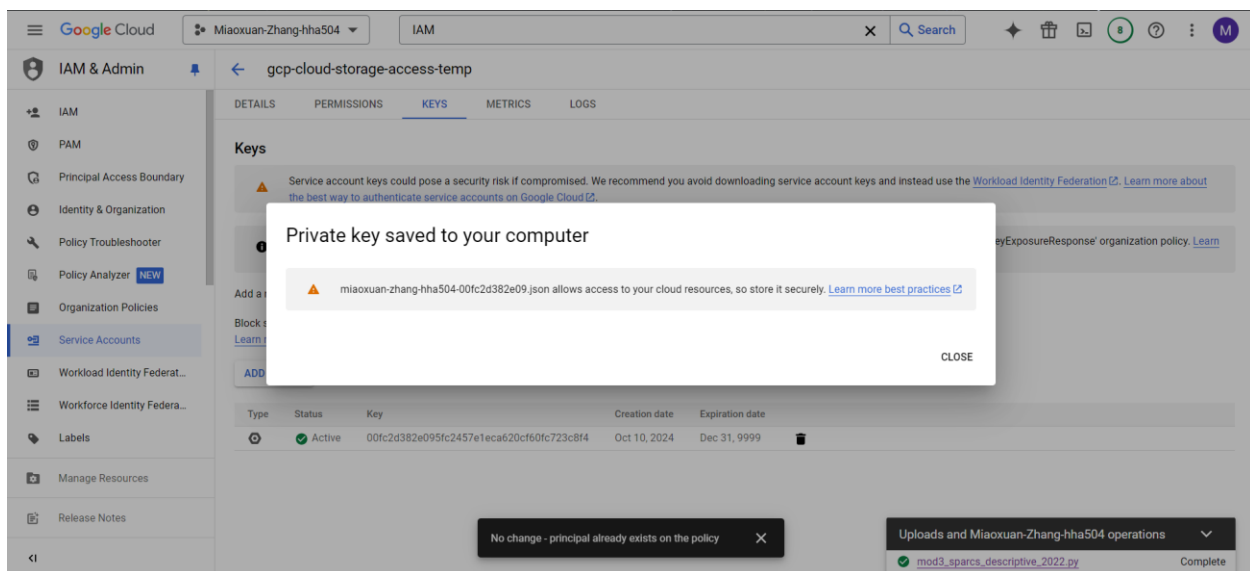
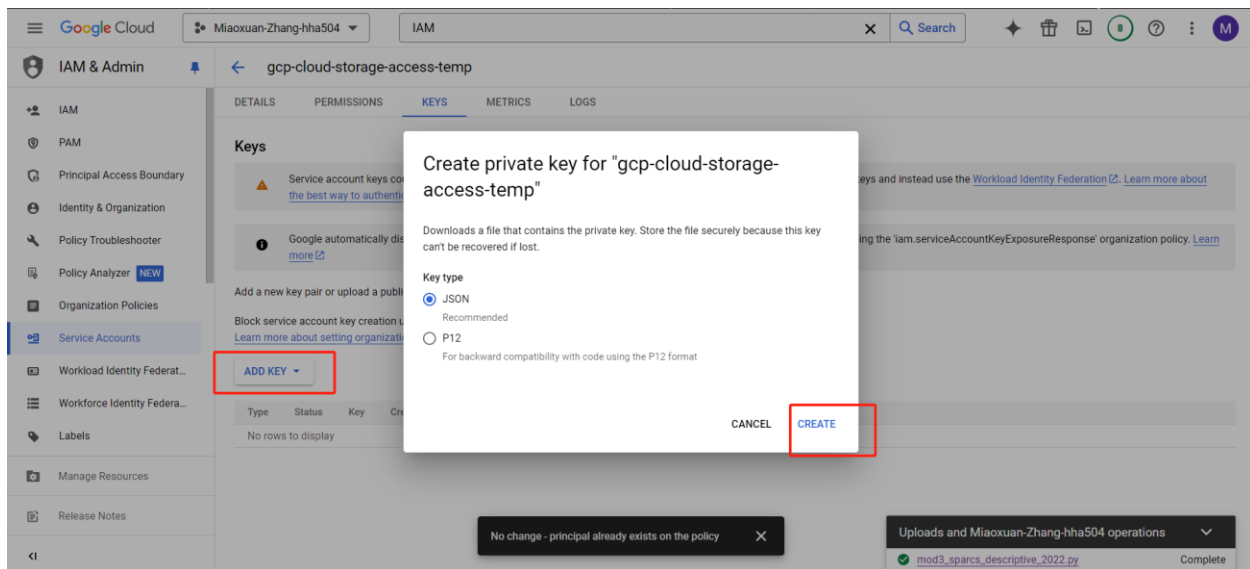
Create service account



The screenshot displays the Google Cloud IAM & Admin console for the project 'Miaoxuan-Zhang-hha504'. The 'Service Accounts' page is active, showing a list of service accounts. A dropdown menu is open over the 'Manage keys' link for the first account, 'miaoxuan-zhang-hha504@appspot.gserviceaccount.com', with 'Manage keys' highlighted by a red circle. The table lists three service accounts, all with 'Enabled' status. A notification banner at the bottom indicates 'No change - principal already exists on the policy'.

Filter	Email	Status	Name	Description	Key ID	Key creation date
	<input type="checkbox"/> <a href="#">miaoxuan-zhang-hha504@appspot.gserviceaccount.com</a>	Enabled	App Engine default service account		No keys	
	<input type="checkbox"/> <a href="#">572891110110-compute@developer.gserviceaccount.com</a>	Enabled	Compute Engine default service account		No keys	
	<input type="checkbox"/> <a href="#">gcp-cloud-storage-access-temp@miaoxuan-zhang-hha504.iam.gserviceaccount.com</a>	Enabled	gcp-cloud-storage-access-temp	temporary account to be able to access cloud storage	No keys	





Upload file

Google Cloud

Miaoxuan-Zhang-hha504

Search (/) for resources, docs, products, and more

Search

Cloud Storage

Bucket details

GO TO PATHREFRESHLEARN

OverviewPREVIEW

Buckets

Monitoring

Settings

Marketplace

Release Notes

hha504-assignment-dbs

Locationus-east1 (South Carolina)Storage classStandardPublic accessNot publicProtectionSoft Delete, Object versioning

OBJECTSCONFIGURATIONPERMISSIONSPROTECTIONLIFECYCLEOBSERVABILITYINVENTORY REPORTSOPERATIONS

Folder browser

hha504-assignment-dbs

folderA/

CREATE FOLDER

UPLOAD

TRANSFER DATA

OTHER SERVICES

Filter by name prefix only

Filter objects and folders

Show Live objects only

	Name	Size	Type	Created	Storage class	Last modified	
	folderA/	—	Folder	—	—	—	
	mod3_sparcs_descriptive_2022.py	5 KB	text/x-python	Oct 9, 2024, 4:06:41 PM	Standard	Oct 9, 2024, 4:06:41 PM	

00fc2d382e095fc2457e1eca620cf60fc723c8f4 has been deleted.

Uploads and Miaoxuan-Zhang-hha504 operations

mod3\_sparcs\_descriptive\_2022.pyComplete