

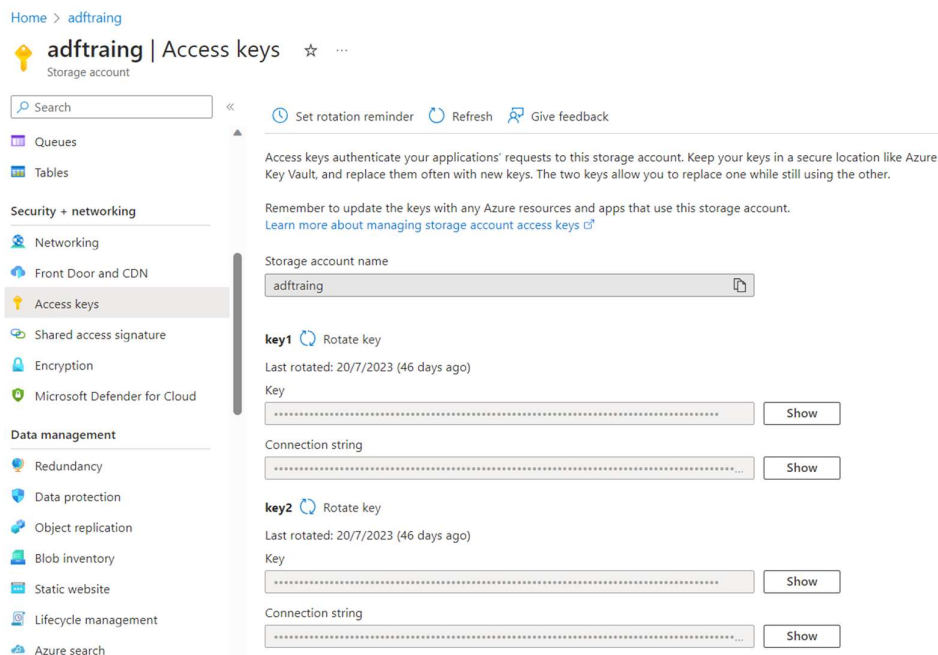
Access Keys

Access keys in Azure Storage are used to authenticate and authorize access to various Azure Storage services, such as Blob Storage, Queue Storage, and Table Storage. These keys are essentially pairs of an account name and a key (either a primary or secondary key), which grant access to the associated storage account. Access keys provide a simple way to secure and manage access to your Azure Storage resources.

You can use the access keys to authenticate and authorize access to your storage account in various ways:

- **Storage Explorer:** If you're using Microsoft's Azure Storage Explorer tool, you can provide the account name and either the primary or secondary access key to connect to your storage account.
- **Azure SDKs and Libraries:** When writing code to interact with Azure Storage services, you can use the access keys to authenticate. Most Azure SDKs and libraries provide a way to set the account name and access key in your application's configuration or code.
- **Azure PowerShell and Azure CLI:** You can use Azure PowerShell and Azure CLI commands to interact with Azure Storage. These tools allow you to set the storage account name and access key as part of their configuration.

1. In the Storage account under Access Keys you will see the keys.



2. Click on Show to copy the Keys.
3. Click on Rotate Key to regenerate the key.

Home > adftraing

adftraing | Access keys ☆ ...
Storage account

Search

Queues
Tables
Security + networking
Networking
Front Door and CDN
Access keys
Shared access signature
Encryption
Microsoft Defender for Cloud
Data management
Redundancy
Data protection
Object replication
Blob inventory
Static website
Lifecycle management
Azure search

Set rotation reminder Refresh Give feedback

Access keys authenticate your applications' requests to this storage account. Keep your keys in a secure location like Key Vault, and replace them often with new keys. The two keys allow you to replace one while still using the other.

Remember to update the keys with any Azure resources and apps that use this storage account.
[Learn more about managing storage account access keys](#)

Storage account name
adftraing

key1 Rotate key
Last rotated: 20/7/2023 (46 days ago)
Key
PKz4Li8iiGrlBtrZnBFsJsbeaZwFnqJiGJv8HoX/1F0fADk/NzYExN+xR/+boxzYHiCJR... Hide
Connection string
DefaultEndpointsProtocol=https;AccountName=adftraing;AccountKey=PKz4Li8ii... Hide

key2 Rotate key
Last rotated: 20/7/2023 (46 days ago)
Key
..... Show
Connection string
..... Show

4. Or you can set the rotation time. Click on the Set rotation reminder and set the days as shown below.

Access keys ☆ ...

Set rotation reminder Refresh Give feedback

Access keys authenticate your applications' requests to this storage account. Keep your keys in a secure location like Key Vault, and replace them often with new keys. The two keys allow you to replace one while still using the other.

Remember to update the keys with any Azure resources and apps that use this storage account.
[Learn more about managing storage account access keys](#)

Storage account name
adftraing

Set a reminder to rotate access keys ✕

Set a reminder to manually rotate your access keys. This simply issues a notification banner indicating that key(s) need to be rotated based on the reminder set. This will not rotate your keys automatically. Your access key will be valid until you choose to manually rotate it.

☒ Enable key rotation reminders

Send reminders Custom

Remind me every * 60 Days

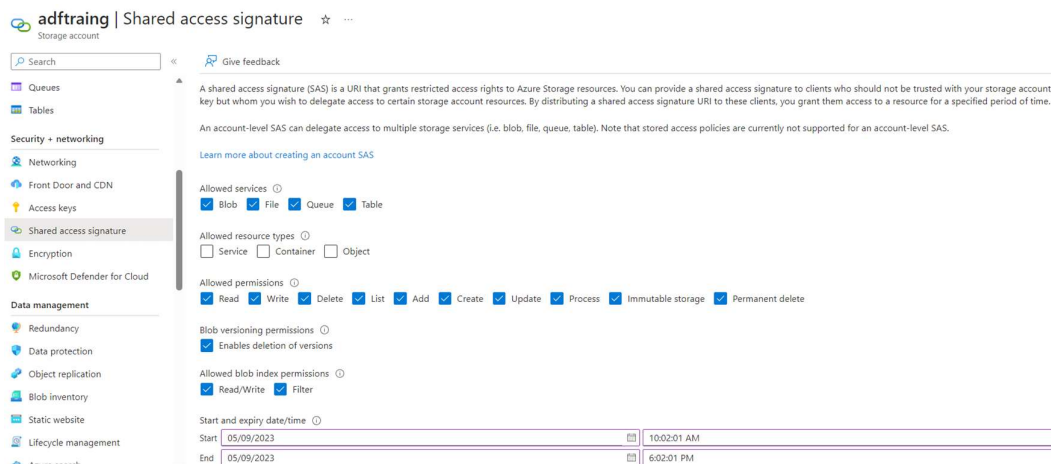
Shared Access Signatures

Shared Access Signatures (SAS) in Azure Storage provide a way to grant limited and time-bound access to specific resources within your Azure Storage account without sharing your account keys. SAS tokens are a more secure and flexible way to manage access to your storage resources compared to directly using access keys.

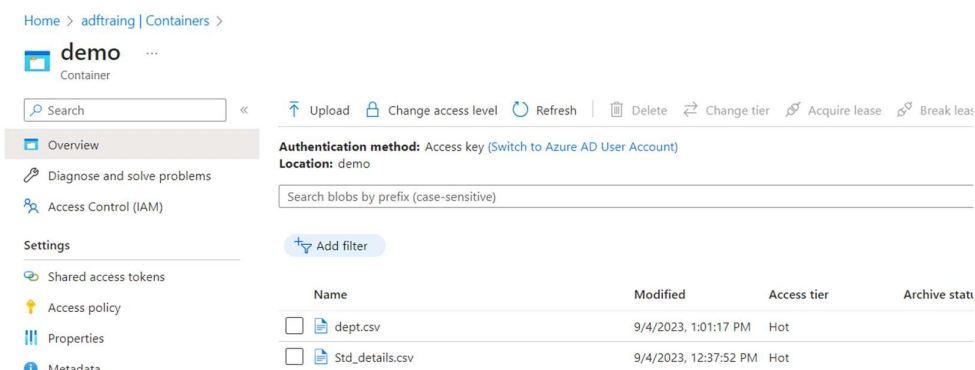
There are two main types of SAS tokens in Azure Storage:

- **Service SAS:** Grants access to a specific service (e.g., Blob Storage, Queue Storage, Table Storage) and allows operations on multiple resources within that service.
- **Account SAS:** Grants access to one or more storage services and can be used to perform operations on different types of resources within those services.

1. In the Storage Account, Under Shared Access Signatures we can grant access to the services and set the expiration time also.



2. In this example we will create SAS for this dept file.



3. Right click on the file and click on Generate SAS as shown below.

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
<input checked="" type="checkbox"/> dept.csv	9/4/2023, 1:01:17 PM	Hot		Block blob	2.02 KiB	View/edit
<input type="checkbox"/> Std_details.csv	9/4/2023, 12:37:52 PM	Hot		Block blob	166 B	Download
						Properties
						Generate SAS
						View versions
						View snapshots
						Create snapshot
						Change tier

4. Set the Start and Expiry time and click on Generate SAS token and URL.

dept.csv ...

Blob

[Save](#) [Discard](#) [Download](#) [Refresh](#) [Delete](#)

Signing key ⓘ
Key 1

Stored access policy
None

Permissions * ⓘ
Read

Start and expiry date/time ⓘ

Start

05/09/2023 10:41:20 AM

(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Expiry

06/09/2023 6:41:20 PM

(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Allowed IP addresses ⓘ
for example, 168.1.5.65 or 168.1.5.65-168.1....

Allowed protocols ⓘ
☒ HTTPS only ☐ HTTPS and HTTP

[Generate SAS token and URL](#)

5. Copy Blob SAS URL.

Allowed IP addresses ⓘ
for example, 168.1.5.65 or 168.1.5.65-168.1....

Allowed protocols ⓘ
☒ HTTPS only ☐ HTTPS and HTTP

[Generate SAS token and URL](#)

Blob SAS token ⓘ
sp=r&st=2023-09-05T05:18:21Z&se=2023-09-05T13:18:21Z&spr=https&sv=2022-11-02&sr=b&sig=a1oPSzWMB8ptPkXX6nDMHUqpiANiWzNaD4...

Blob SAS URL
https://adftraing.blob.core.windows.net/demo/dept.csv?sp=r&st=2023-09-05T05:18:21Z&se=2023-09-05T13:18:21Z&spr=https&sv=2022-11-02&s...

6. Paste it in the chrome or Edge. The dept file will download automatically.

