AZCOPY - Demo
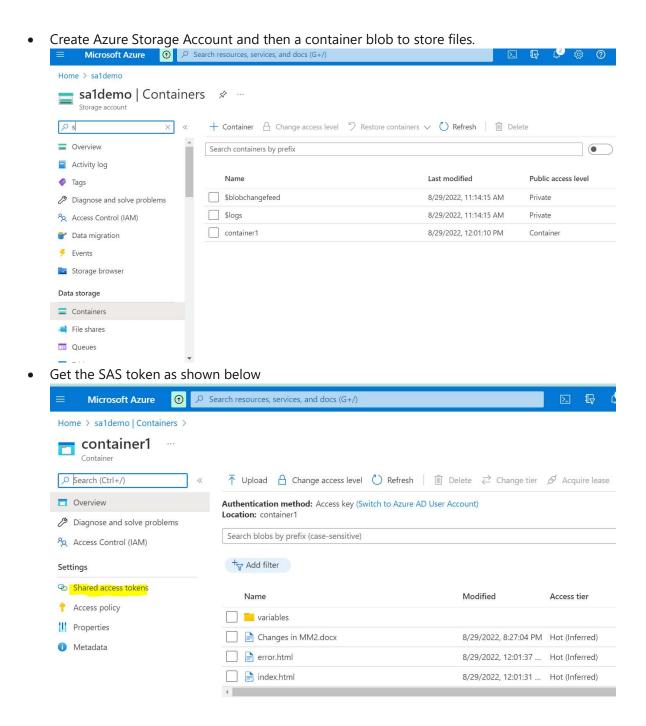
AzCopy is a command-line utility that you can use to copy blobs or files to or from a storage account.

- Create Azure Storage Account and then a container blob to store files.

- Get the SAS token as shown below

container1 | Shared access tokens ···
Container

- Overview
- Diagnose and solve problems
- Access Control (IAM)

Settings

- Shared access tokens
- Access policy
- Properties
- Metadata

A shared access signature (SAS) is a URI that grants restricted access to an Azure Storage container. Use it when you want t
account key. Learn more about creating an account SAS

Signing method
(•) Account key   ( ) User delegation key

Signing key ⓘ
Key 1 ▾

Stored access policy
None ▾

Permissions * ⓘ
2 selected ▾   *Read , write*

Start and expiry date/time ⓘ
Start
08/29/2022   10:08:33 PM
(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi ▾

Expiry
08/30/2022   6:08:33 AM
(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

container1 | Shared access tokens ···
Container

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A shared access signature (SAS) is a URI that grants restricted access to an Azure Storage container. Use it when you w
time range without sharing your storage account key. Learn more about creating an account SAS

☑	Read
☐	Add
☐	Create
☑	Write
☐	Delete
☐	List
☐	Immutable storage

er delegation key

2 selected ▾

Start and expiry date/time ⓘ
Start
03/16/2023   8:02:04 PM
(UTC-05:00) Eastern Time (US & Canada) ▾

Expiry
03/17/2023   4:02:04 AM
(UTC-05:00) Eastern Time (US & Canada) ▾
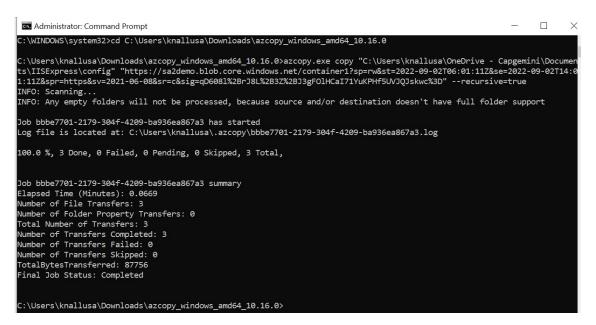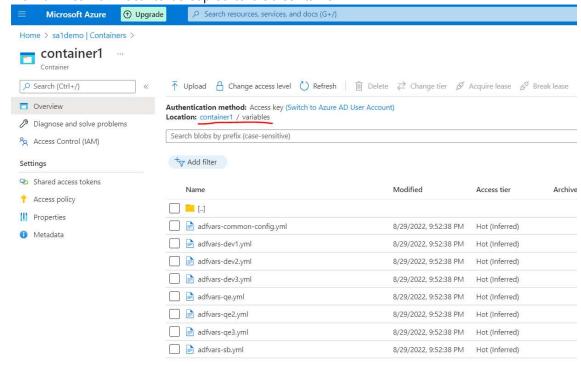
- Copy "Blob SAS URL" from above screen such as
  https://sa1demo.blob.core.windows.net/container1?sp=rw&st=2022-08-29T16:38:33Z&se=2022-08-30T00:38:33Z&spr=https&sv=2021-06-08&sr=c&sig=l33fo69nsGCD%2FTSvg8sz2Owv06jldR7VR4uodx2T%2BHA%3D
- Download "AZCOPY" tool from https://aka.ms/downloadazcopy-v10-windows for windows and install azcopy on mac using https://formulae.brew.sh/formula/azcopy
- It's an exe file. No need to install it. Move this exe to a specific folder such as "C:\Windows\System32\"
- Run below command to copy the all files from
  copy "C:\temp\variables\variables" "https://sa1demo.blob.core.windows.net/container1?sp=rw&st=2022-08-29T16:16:14Z&se=2022-08-30T00:16:14Z&spr=https&sv=2021-06-08&sr=c&sig=xVu%2Fp857aIipLsXNyU9f0vLNyAXY5rxEvgehcSoW7bU%3D" --recursive=true

- Now all files from local to be copied to blob container

Note : Ensure you generate SAS token at container level as shown below; else, you get authentication error.

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🔲 Overview

🩺 Diagnose and solve problems

👥 Access Control (IAM)

Settings

🔗 Shared access tokens

🔑 Access policy

📊 Properties

ℹ️ Metadata

Start and expiry date/time ⓘ

Start

| 03/16/2023 | 📅 | 8:40:37 PM |

| (UTC-05:00) Eastern Time (US & Canada) | ⌄ |

Expiry

| 03/24/2023 | 📅 | 4:40:37 AM |

| (UTC-05:00) Eastern Time (US & Canada) | ⌄ |

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=racw&st=2023-03-17T00:40:37Z&se=2023-03-24T08:40:37Z&spr=https&sv=2021-12-02&sr=c&sig=fKEQZXHij%2BnnMv3bAl%2FRBAI79wQtioChrbliA4YzU44%3D | 📋 |

Blob SAS URL

| https://march16demo.blob.core.windows.net/container1?sp=racw&st=2023-03-17T00:40:37Z&se=2023-03-24T08:40:37Z&spr=https&sv=2021-12-02&sr=c&sig=fKEQZXHij%... | 📋 |