



# Azure Storage Explorer Access “SAS”

## (Shared Access Signature)

***“Probably if you are new and unfamiliar with SAS tokens at all, A Shared Access Signatures (SAS) provides a secured delegated access to resources in your storage account with an ability to have granular control over what resources a client can access, permissions (read, write, delete, add, create, list etc.) to those resources & most importantly the access validity.”***

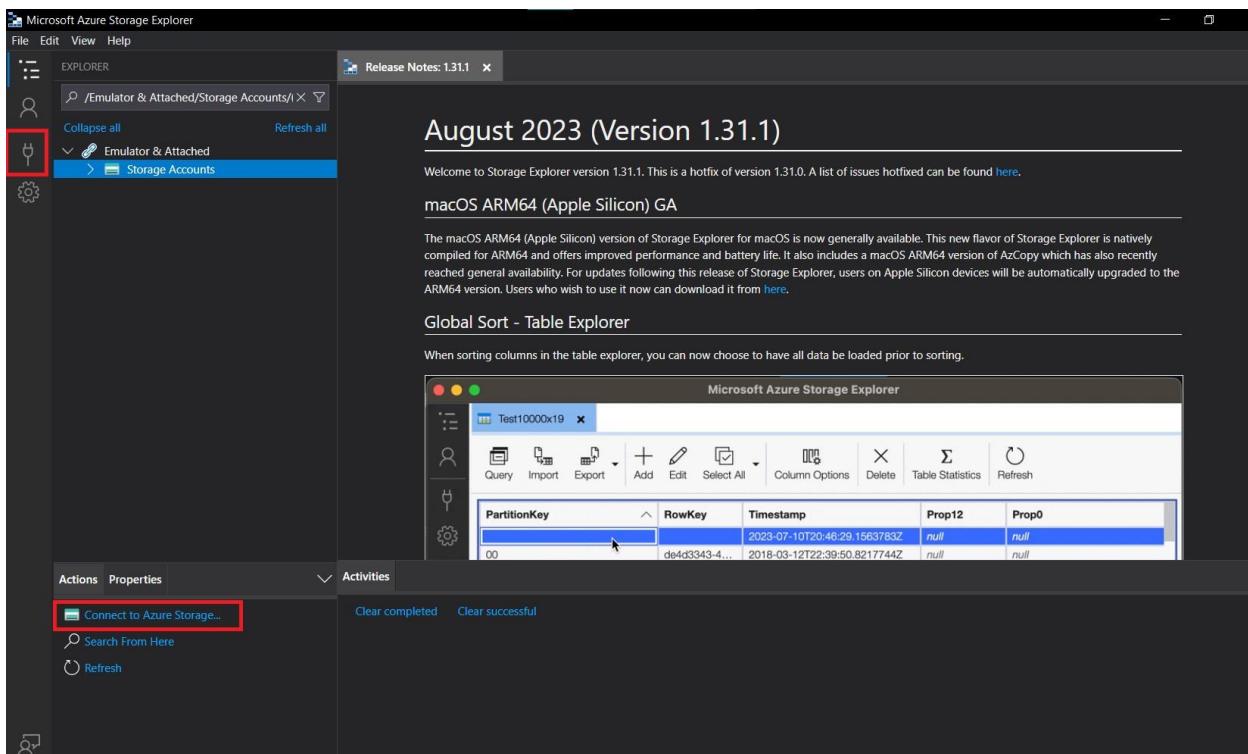
Login to Azure Portal and create a Storage Account.

**Step 1:** For this Activity its mandatory to have an Azure Storage Account.

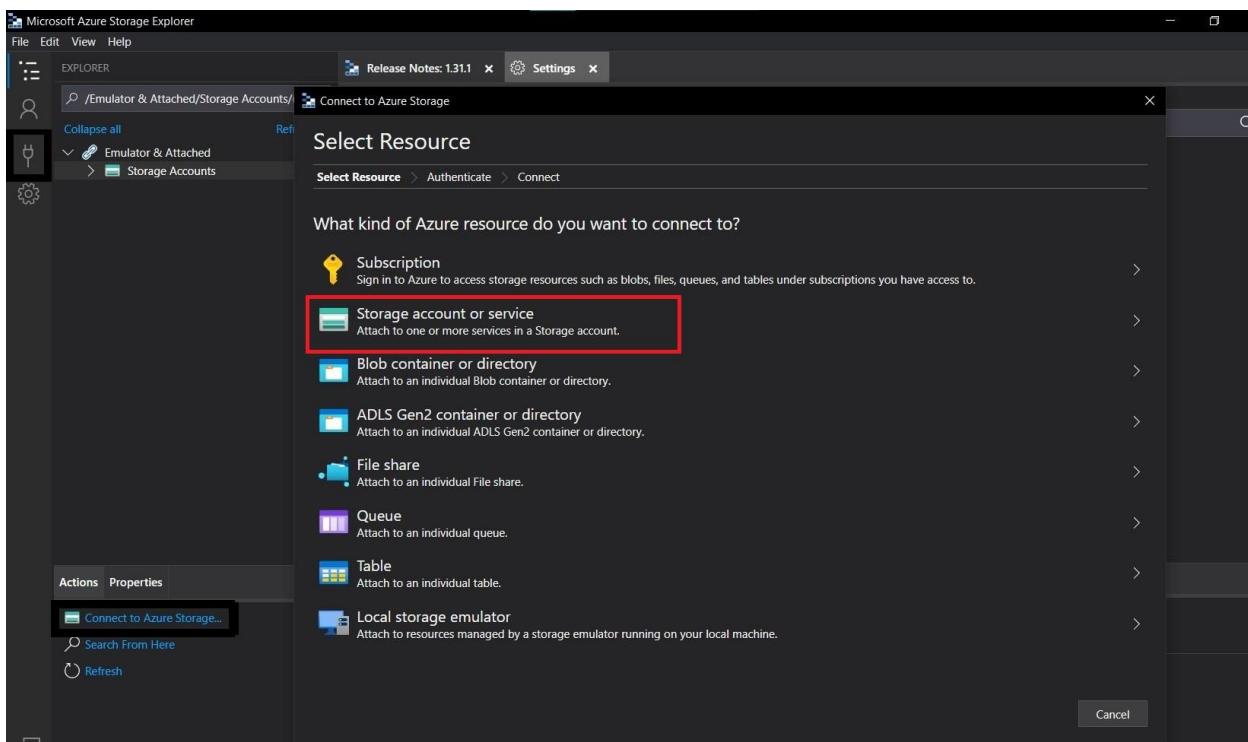
- Upload some Temporary files in your Blob Storage.

The screenshot shows the Azure Storage Accounts blade. On the left, there's a navigation menu with links like Home, Storage accounts, Overview, Activity log, Tags, Diagnose and solve problems, Access Control (IAM), Data migration, Storage browser, Storage Mover, Data storage (Containers, File shares, Queues, Tables), and Security + networking (Networking, Front Door and CDN). The main area displays the properties of a storage account named 'iiisscript'. The 'Essentials' section includes details such as Resource group (move: Practice), Location (Central India), Subscription (move: Azure subscription 1), Subscription ID (f55b27c1-cfe0-448c-9ca5-8454eecfeb4e), Disk state (Available), and Tags (edit: Add tags). The 'Properties' tab is selected, showing monitoring, capabilities (5), recommendations (3), tutorials, and tools + SDKs. Below this, the 'Blob service' section lists settings like Hierarchical namespace (Disabled), Blob public access (Enabled), Blob soft delete (Disabled), Container soft delete (Disabled), Versioning (Disabled), Change feed (Disabled), and NFS v3 (Disabled). The 'Security' section includes Require secure transfer for REST API operations (Enabled), Storage account key access (Enabled), Minimum TLS version (Version 1.2), and Infrastructure encryption (Disabled). The 'Networking' section shows Allow access from (All networks).

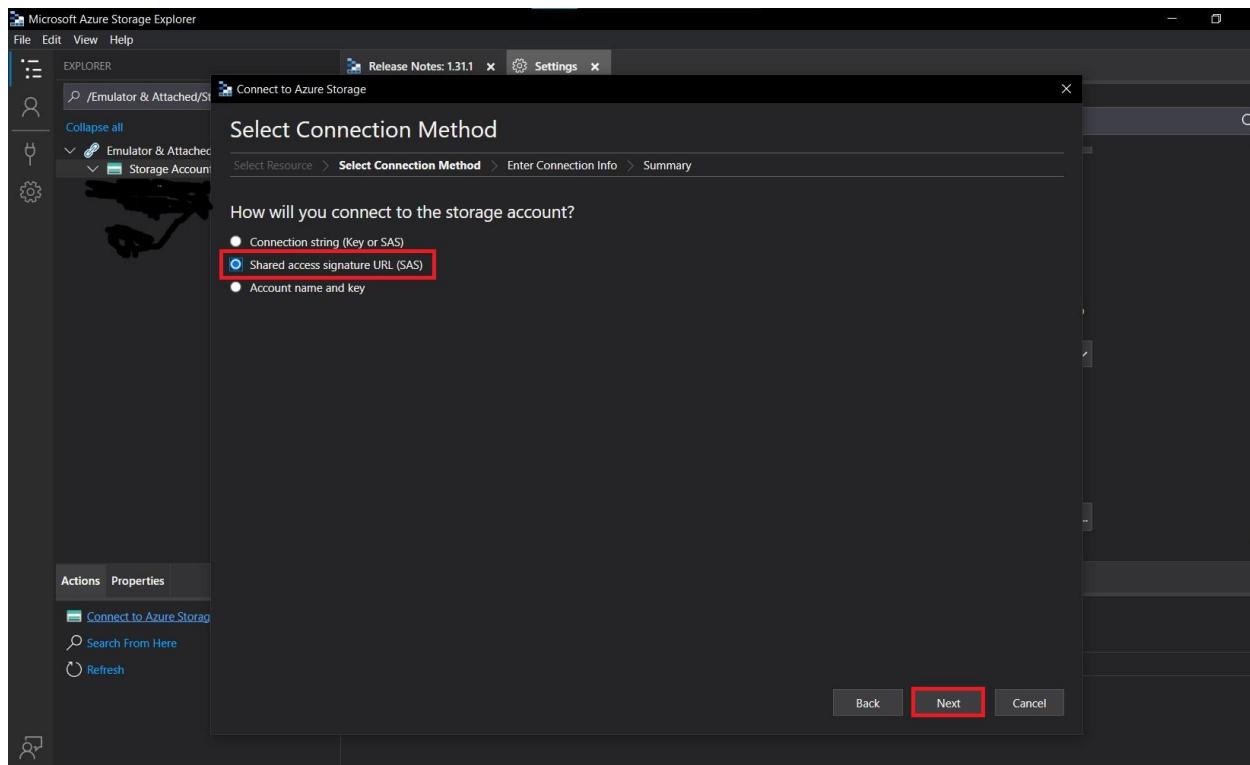
**Step 2:** Open Azure Storage Explorer, open Explorer and Click on Switch Logo/ Connect to Azure Storage.



- Select Storage account or Service.



⌚ Step 3: Select Shared Access Signature (SAS). Click on Next.



👉 Step 4: On your azure Storage Account page, scroll down on the left-hand side pane and click on Shared Access signature.

- You'll notice that we can specify permissions, the amount of time the token is good for, and the IP addresses that can use the token. Click on Generate SAS and connection String.

Allowed services ⓘ

Blob  File  Queue  Table

Allowed resource types ⓘ

Service  Container  Object

Allowed permissions ⓘ

Read  Write  Delete  List  Add  Create  Update  Process  Immutable storage  Permanent delete

Blob versioning permissions ⓘ

Enables deletion of versions

Allowed blob index permissions ⓘ

Read/Write  Filter

- This access can be time bound to a specific time range and actions like read, write, or more to a specific file held within blob storage.

Home > iisscript

**iisscript | Shared access signature**

Storage account

Search  Give feedback

key1

Generate SAS and connection string

Connection string  
BlobEndpoint=https://iisscript.blob.core.windows.net/ FileEndpoint=https://iisscript.file.core.windows.net/ TableEndpoint=https://iisscript.table.core.windows.net/ QueueEndpoint=https://iisscript.queue.core.windows.net/

SAS token  
?sv=2022-11-02&ss=bfqt&srt=sco&sp=rw&lacupixy&se=2023-08-24T21:51:35Z&st=2023-08-24T13:51:35Z&spr=https&sig=P%2FmklQuYV9zrY2GBRes4naNvIvNIL6ub...

Blob service SAS URL  
https://iisscript.blob.core.windows.net/?sv=2022-11-02&ss=bfqt&srt=sco&sp=rw&lacupixy&se=2023-08-24T21:51:35Z&st=2023-08-24T13:51:35Z&spr=https&sig=P%2F...

File service SAS URL  
https://iisscript.file.core.windows.net/?sv=2022-11-02&ss=bfqt&srt=sco&sp=rw&lacupixy&se=2023-08-24T21:51:35Z&st=2023-08-24T13:51:35Z&spr=https&sig=P%2F...

Queue service SAS URL  
https://iisscript.queue.core.windows.net/?sv=2022-11-02&ss=bfqt&srt=sco&sp=rw&lacupixy&se=2023-08-24T21:51:35Z&st=2023-08-24T13:51:35Z&spr=https&sig=P%2F...

Table service SAS URL  
https://iisscript.table.core.windows.net/?sv=2022-11-02&ss=bfqt&srt=sco&sp=rw&lacupixy&se=2023-08-24T21:51:35Z&st=2023-08-24T13:51:35Z&spr=https&sig=P%2F...

Waiting for portal.azure.com...

- Copy the BLOB service SAS URL and paste on the storage explorer & Click on Next. (only granted for blob service)

## 💡 Step 5: Review the details and Click on Connect.

File Edit View Help

EXPLORER /Emulator & Attached/S... Connect to Azure Storage Release Notes: 1.31.1 Settings

Collapse all

Emulator & Attached

Storage Account (Attached C... Blob C...

Summary

Select Resource > Select Connection Method > Enter Connection Info > Summary

The following settings will be used to connect to your resource:

Display name:	iisscript
Account name:	iisscript
Blob endpoint:	https://iisscript.blob.core.windows.net/
File endpoint:	https://iisscript.file.core.windows.net/
Queue endpoint:	https://iisscript.queue.core.windows.net/
Table endpoint:	https://iisscript.table.core.windows.net/
SAS:	?sv=2022-11-02&ss=bfqt&srt=sco&sp=rw&lacupixy&se=2023-08-24T21:51:35Z&st=2023-08-24T13:51:35Z&spr=https&sig=P%2FmklQuYV9zrY2GBRes4naNvIvNIL6ub...
Service access:	Blob, File, Queue, Table
Resource type access:	Service, Container, Object
Permissions:	Read, Write, Delete, List, Add, Create, Update, Process, Set immutability policy, Permanent delete, Delete version

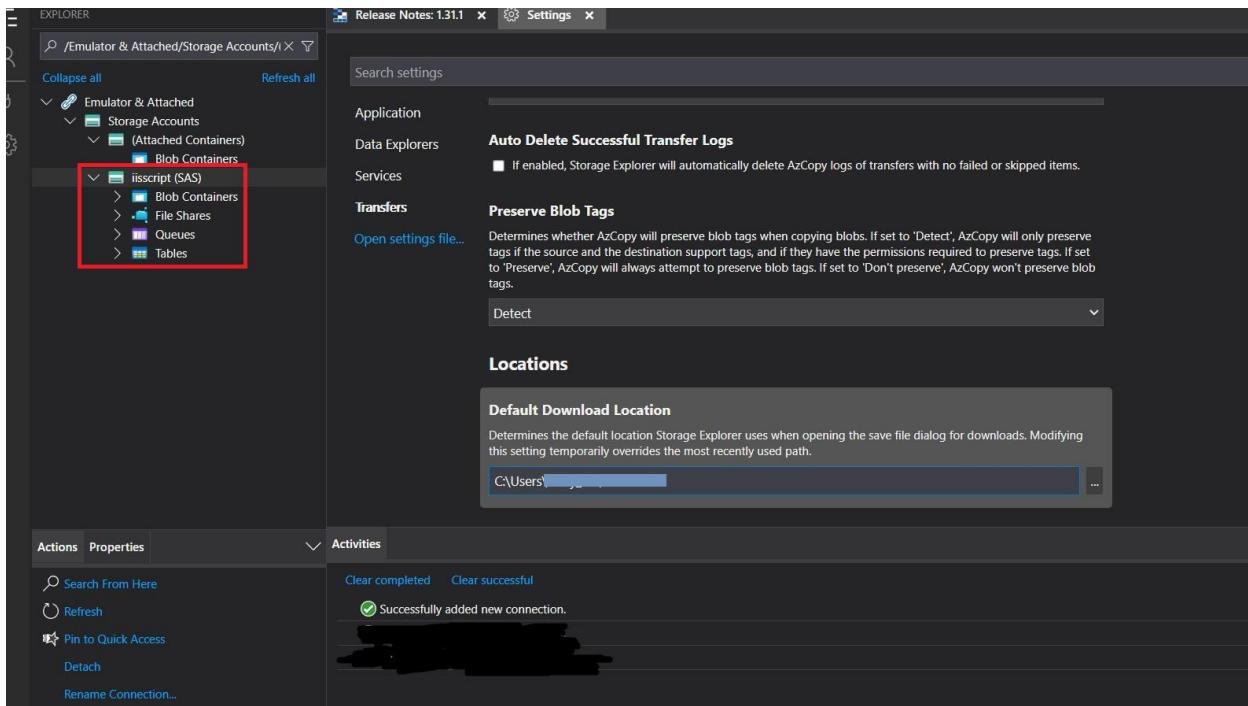
⚠ Make sure you only connect to resources you trust.

Actions Properties

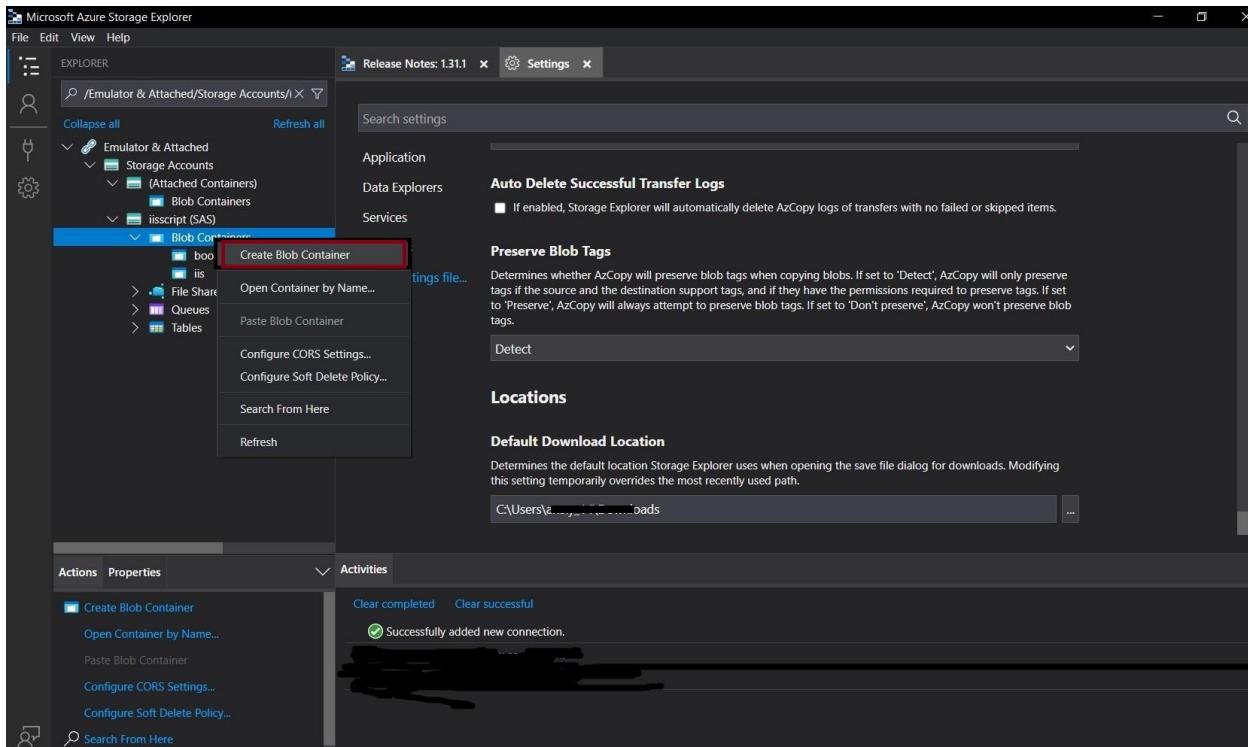
Connect to Azure Storage Search From Here Refresh

Back Connect Cancel

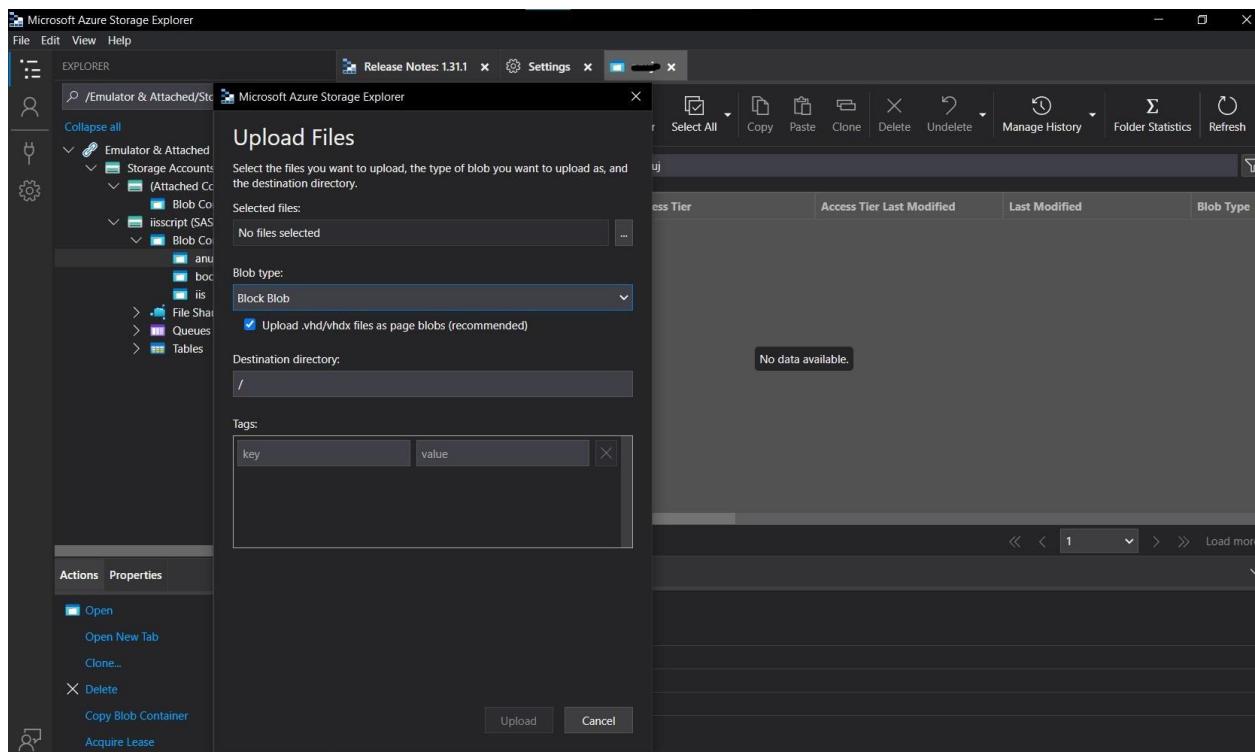
- After the successful connection, on the left side pane you can observe that the storage service has been refreshed. Click on the drop down to view your resources.



💡 **Step 6:** As we have granted the ‘Create’ permission, right click on the blob container, and you can now create a new BLOB container from your storage explorer. Click on Create.



💡 **Step 7:** Enter the Name for your New Blob Container and click on next. Select the files to be Uploaded in your Container. And click on Upload.



You can also perform different operations, permissions granted by you.