Module 3: Assignment 4

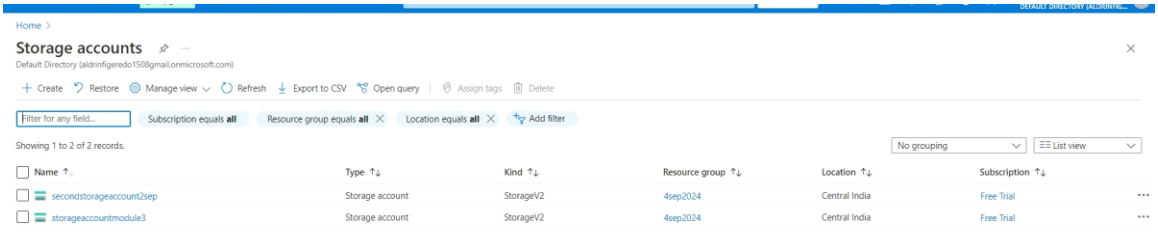
Tasks To Be Performed:

1. Use the same storage accounts from previous assignment

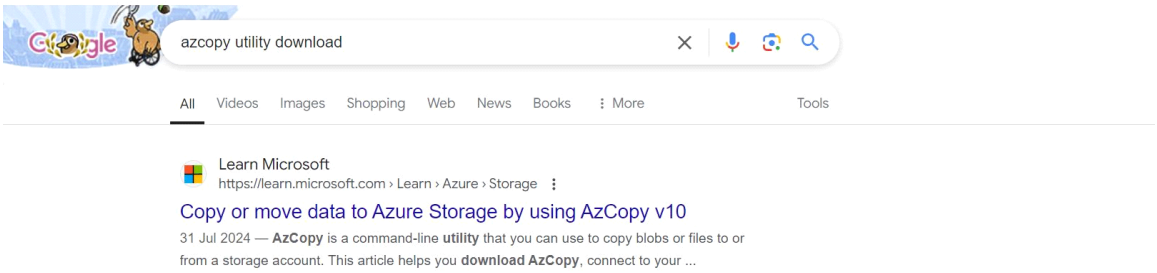
2. Use AzCopy utility to copy data from one storage container to another

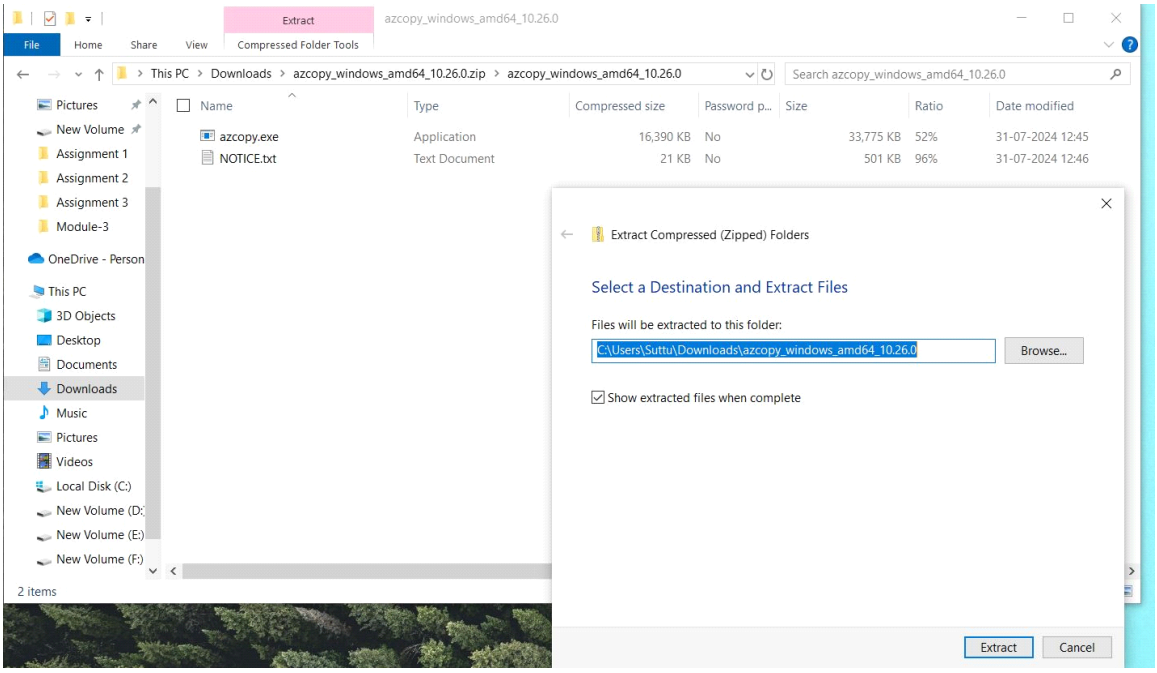
Solution:

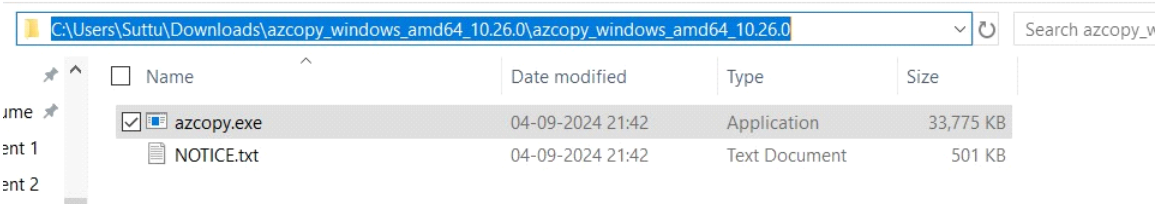
1. Use the same storage accounts from previous assignment



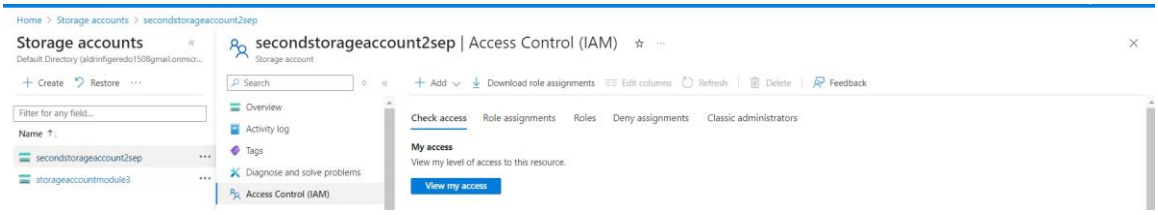
2. Use AzCopy utility to copy data from one storage container to another

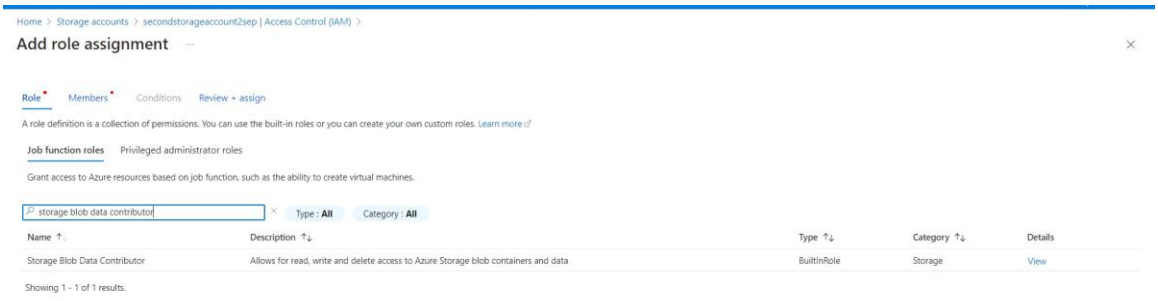


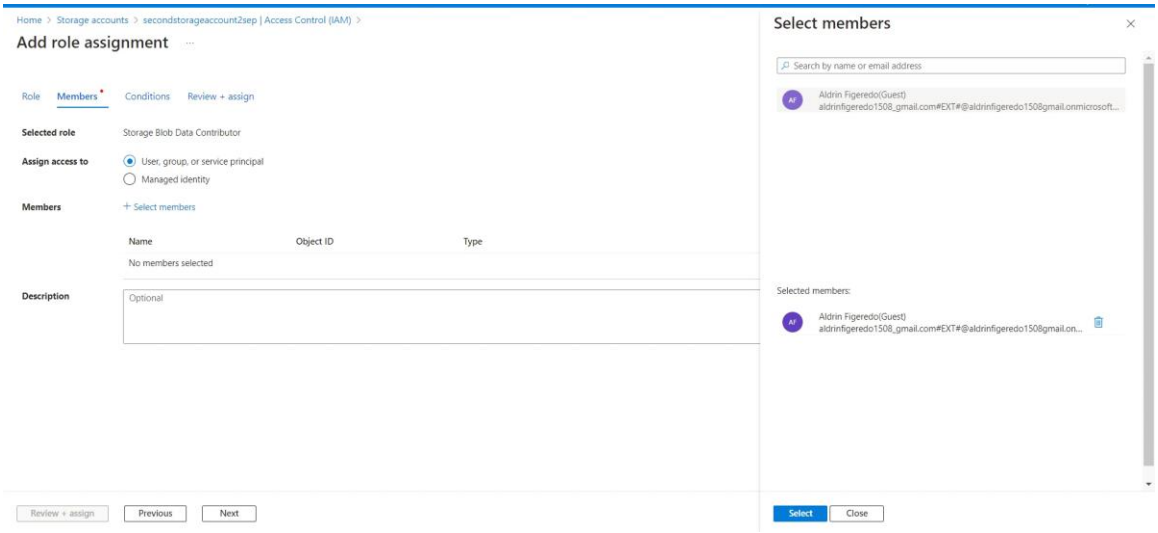

azcopy_windows_amd64_10.26.0
Extract
File
Home
Share
View
Compressed Folder Tools
This PC > Downloads > azcopy_windows_amd64_10.26.0.zip > azcopy_windows_amd64_10.26.0
Search azcopy_windows_amd64_10.26.0
Name
Type
Compressed size
Password p...
Size
Ratio
Date modified
azcopy.exe
Application
16,390 KB
No
33,775 KB
52%
31-07-2024 12:45
NOTICE.txt
Text Document
21 KB
No
501 KB
96%
31-07-2024 12:46
Extract Compressed (Zipped) Folders
Select a Destination and Extract Files
Files will be extracted to this folder:
C:\Users\Suttu\Downloads\azcopy_windows_amd64_10.26.0
Browse...
Show extracted files when complete
Extract
Cancel
2 items

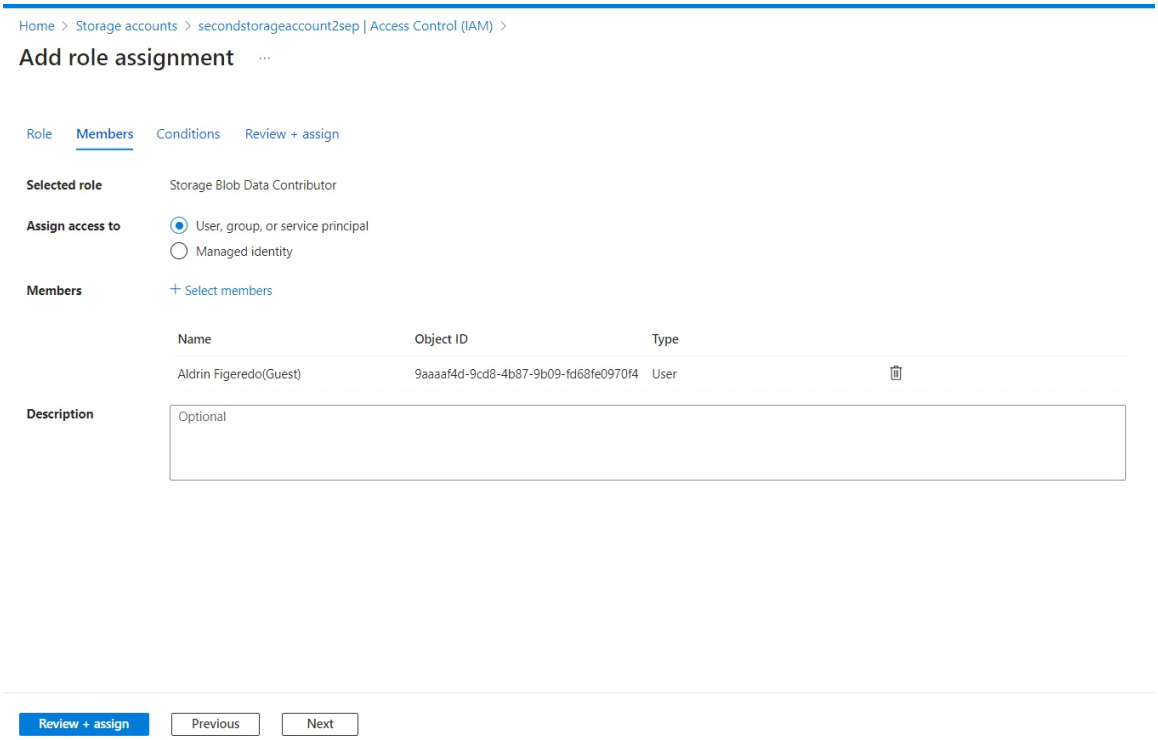

C:\Users\Suttu\Downloads\azcopy_windows_amd64_10.26.0\azcopy_windows_amd64_10.26.0
Search azcopy_w
Name
Date modified
Type
Size
azcopy.exe
04-09-2024 21:42
Application
33,775 KB
NOTICE.txt
04-09-2024 21:42
Text Document
501 KB

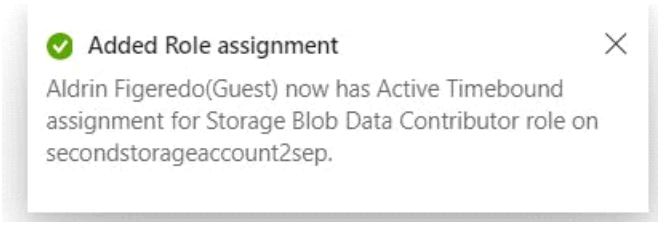
Command Prompt
Microsoft Windows [Version 10.0.19045.4780]
(c) Microsoft Corporation. All rights reserved.
C:\Users\Suttu>cd C:\Users\Suttu\Downloads\azcopy_windows_amd64_10.26.0\azcopy_windows_amd64_10.26.0
C:\Users\Suttu\Downloads\azcopy_windows_amd64_10.26.0\azcopy_windows_amd64_10.26.0>

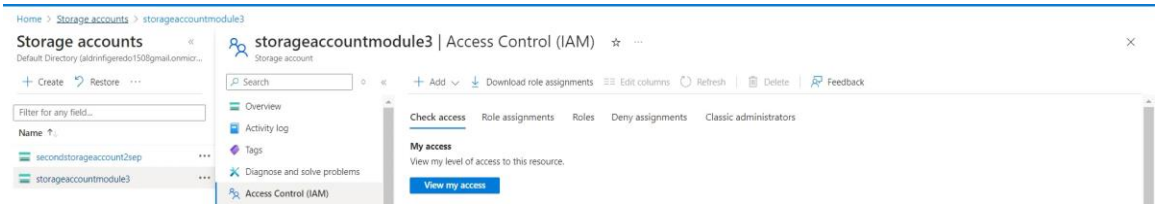

Home > Storage accounts > secondstorageaccount2sep
Storage accounts
secondstorageaccount2sep | Access Control (IAM)
Storage account
Create
Restore
Search
Add
Download role assignments
Edit columns
Refresh
Delete
Feedback
Overview
Activity log
Tags
Diagnose and solve problems
Access Control (IAM)
Check access
Role assignments
Roles
Deny assignments
Classic administrators
My access
View my level of access to this resource.
View my access

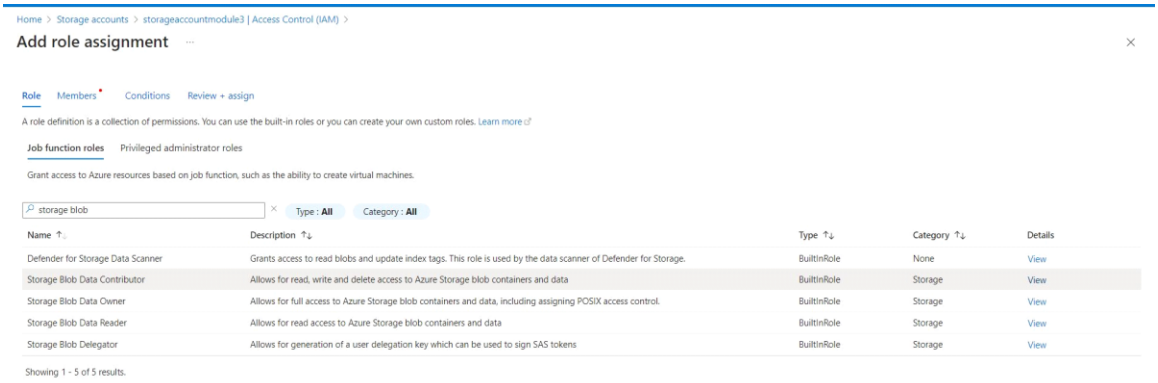

Home > Storage accounts > secondstorageaccount2sep | Access Control (IAM) >
Add role assignment
Role
Members
Conditions
Review + assign
A role definition is a collection of permissions. You can use the built-in roles or you can create your own custom roles. Learn more
Job function roles
Privileged administrator roles
Grant access to Azure resources based on job function, such as the ability to create virtual machines.
storage blob data contributor
Type : All
Category : All
Name
Description
Type
Category
Details
Storage Blob Data Contributor
Allows for read, write and delete access to Azure Storage blob containers and data
BuiltInRole
Storage
View
Showing 1 - 1 of 1 results.

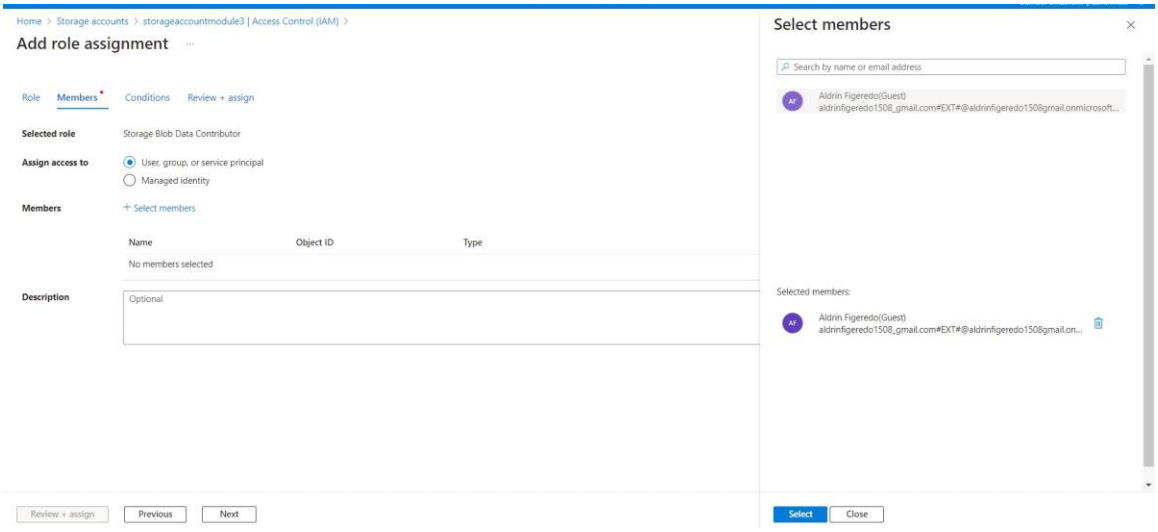

Home > Storage accounts > secondstorageaccount2sep | Access Control (IAM) >
Add role assignment
Role
Members
Conditions
Review + assign
Selected role
Storage Blob Data Contributor
Assign access to
User, group, or service principal
Managed identity
Members
+ Select members
Name
Object ID
Type
No members selected
Description
Optional
Review + assign
Previous
Next
Select members
Search by name or email address
Aldrin Figeredo(Guest)
aldrinfigeredo1508_gmail.com#EXT#@aldrinfigeredo1508gmail.onmicrosoft...
Selected members:
Aldrin Figeredo(Guest)
aldrinfigeredo1508_gmail.com#EXT#@aldrinfigeredo1508gmail.on...
Select
Close

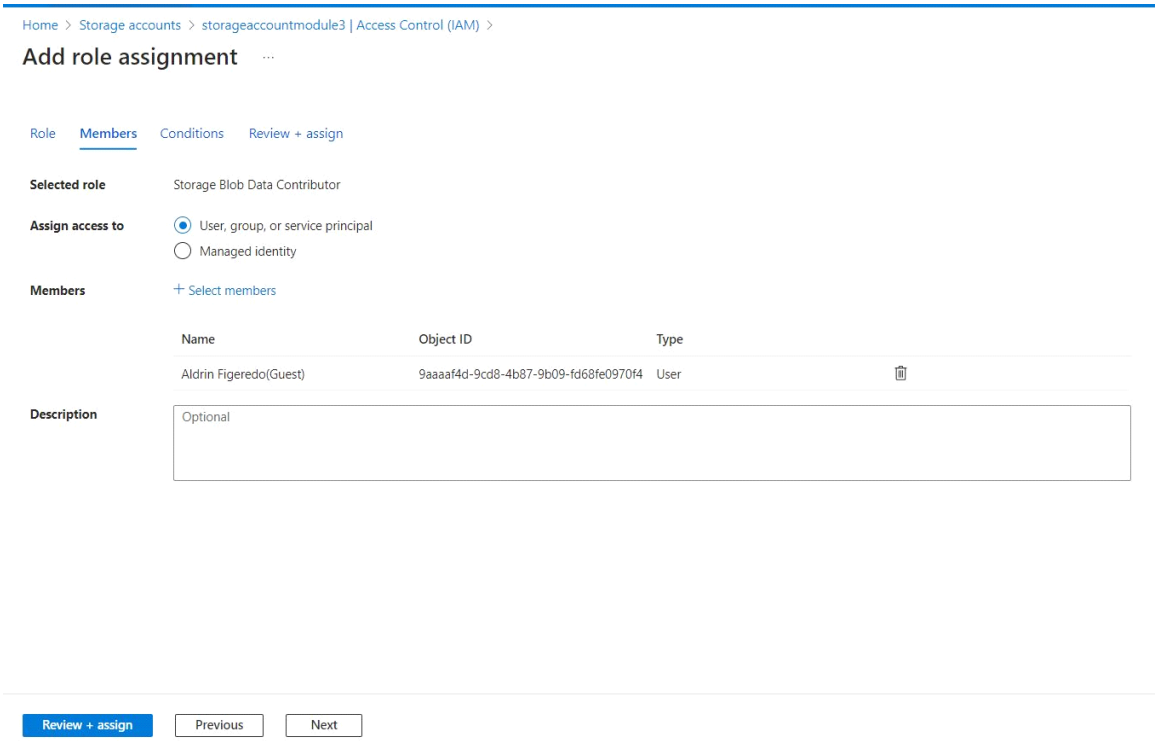

Home > Storage accounts > secondstorageaccount2sep | Access Control (IAM) >
Add role assignment
Role
Members
Conditions
Review + assign
Selected role
Storage Blob Data Contributor
Assign access to
User, group, or service principal
Managed identity
Members
+ Select members
Name
Object ID
Type
Aldrin Figeredo(Guest)
9aaaaf4d-9cd8-4b87-9b09-fd68fe0970f4
User
Description
Optional
Review + assign
Previous
Next

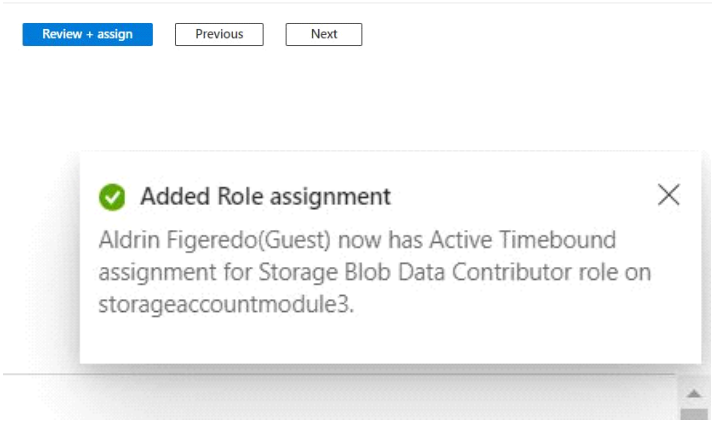

Added Role assignment
Aldrin Figeredo(Guest) now has Active Timebound assignment for Storage Blob Data Contributor role on secondstorageaccount2sep.

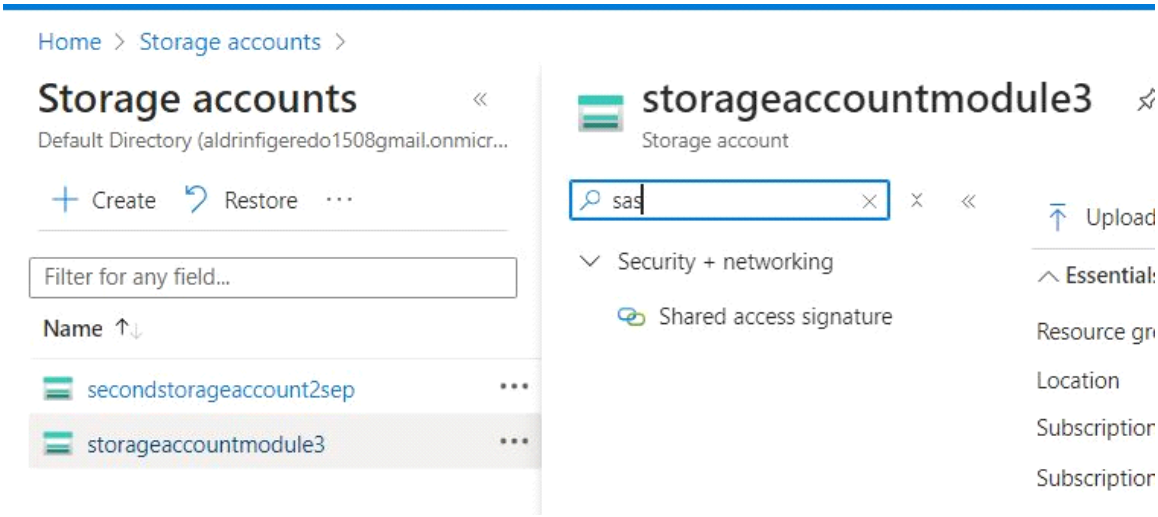

Storage accounts
storageaccountmodule3 | Access Control (IAM)
Storage account
Overview
Activity log
Tags
Diagnose and solve problems
Access Control (IAM)
Check access
Role assignments
Roles
Deny assignments
Classic administrators
My access
View my level of access to this resource.
View my access

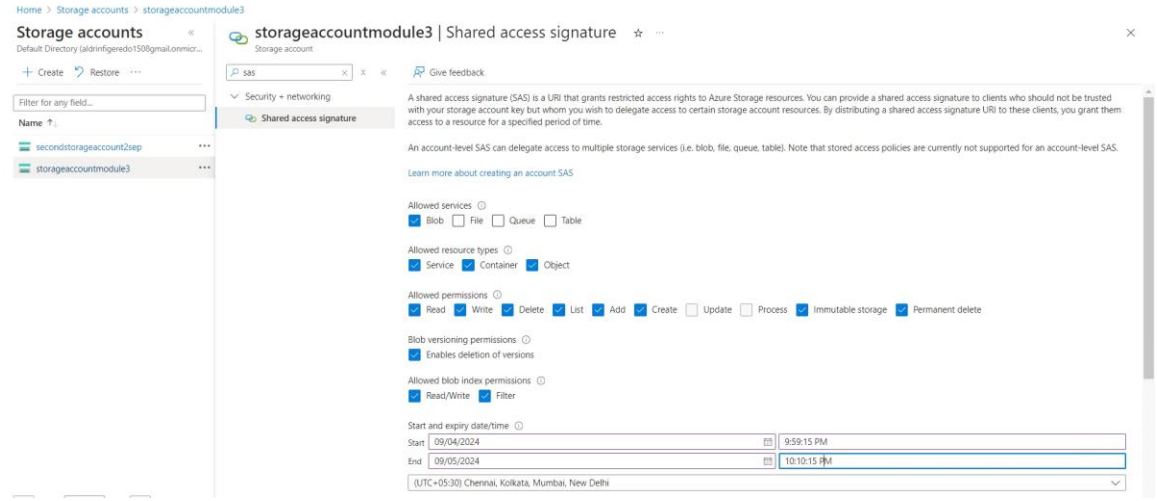

Home > Storage accounts > storageaccountmodule3 | Access Control (IAM) >
Add role assignment
Role
Members
Conditions
Review + assign
A role definition is a collection of permissions. You can use the built-in roles or you can create your own custom roles. Learn more
Job function roles
Privileged administrator roles
Grant access to Azure resources based on job function, such as the ability to create virtual machines.
storage blob
Type : All
Category : All
Name
Description
Type
Category
Details
Defender for Storage Data Scanner
Grants access to read blobs and update index tags. This role is used by the data scanner of Defender for Storage.
BuiltInRole
None
View
Storage Blob Data Contributor
Allows for read, write and delete access to Azure Storage blob containers and data
BuiltInRole
Storage
View
Storage Blob Data Owner
Allows for full access to Azure Storage blob containers and data, including assigning POSIX access control.
BuiltInRole
Storage
View
Storage Blob Data Reader
Allows for read access to Azure Storage blob containers and data
BuiltInRole
Storage
View
Storage Blob Delegator
Allows for generation of a user delegation key which can be used to sign SAS tokens
BuiltInRole
Storage
View
Showing 1 - 5 of 5 results.

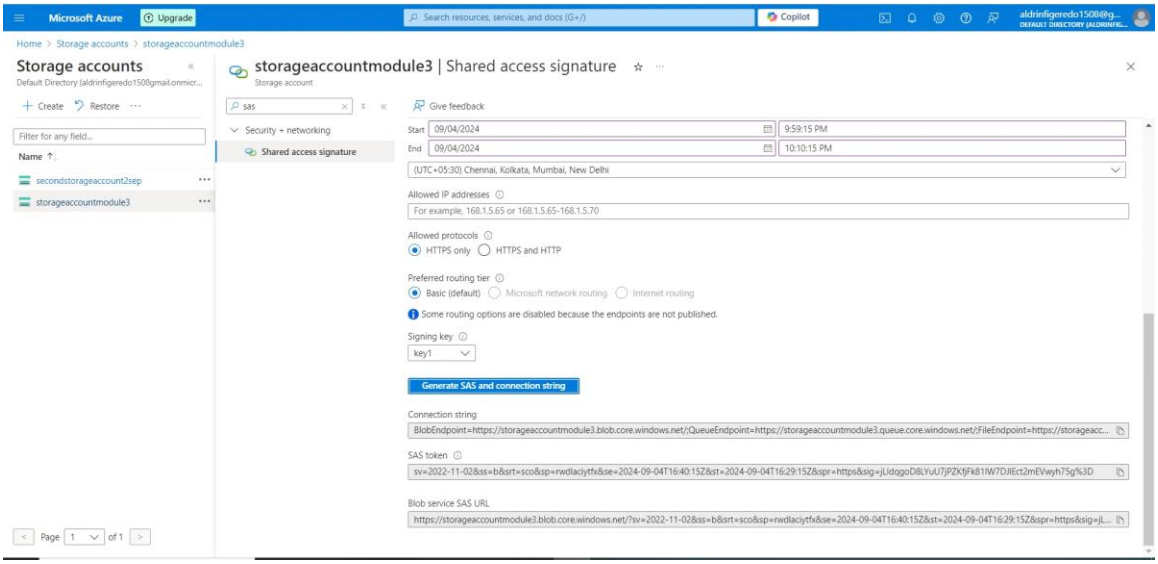

Home > Storage accounts > storageaccountmodule3 | Access Control (IAM) >
Add role assignment
Role
Members
Conditions
Review + assign
Selected role
Storage Blob Data Contributor
Assign access to
User, group, or service principal
Managed identity
Members
+ Select members
Name
Object ID
Type
No members selected
Description
Optional
Review + assign
Previous
Next
Select members
Search by name or email address
Aldrin Figeredo(Guest)
aldrinfigeredo1508_gmail.com#EXT#@aldrinfigeredo1508gmail.onmicrosoft...
Selected members:
Aldrin Figeredo(Guest)
aldrinfigeredo1508_gmail.com#EXT#@aldrinfigeredo1508gmail.on...
Select
Close


Home > Storage accounts > storageaccountmodule3 | Access Control (IAM) >
Add role assignment
Role
Members
Conditions
Review + assign
Selected role
Storage Blob Data Contributor
Assign access to
User, group, or service principal
Managed identity
Members
+ Select members
Name
Object ID
Type
Aldrin Figeredo(Guest)
9aaaaf4d-9cd8-4b87-9b09-fd68fe0970f4
User
Description
Optional


Review + assign
Previous
Next
Added Role assignment
Aldrin Figeredo(Guest) now has Active Timebound assignment for Storage Blob Data Contributor role on storageaccountmodule3.


Home > Storage accounts >
Storage accounts
Default Directory (aldrinfigeredo1508gmail.onmicr...
Create
Restore
Filter for any field...
Name
secondstorageaccount2sep
storageaccountmodule3
storageaccountmodule3
Storage account
sas
Security + networking
Shared access signature
Upload
Essentials
Resource gr
Location
Subscriptior
Subscriptior





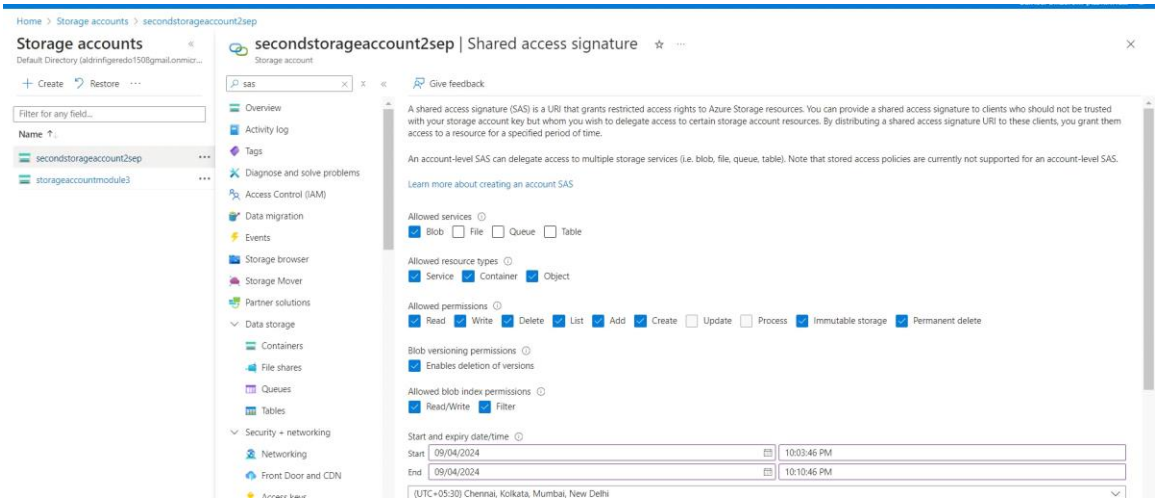
Blob service SAS URL

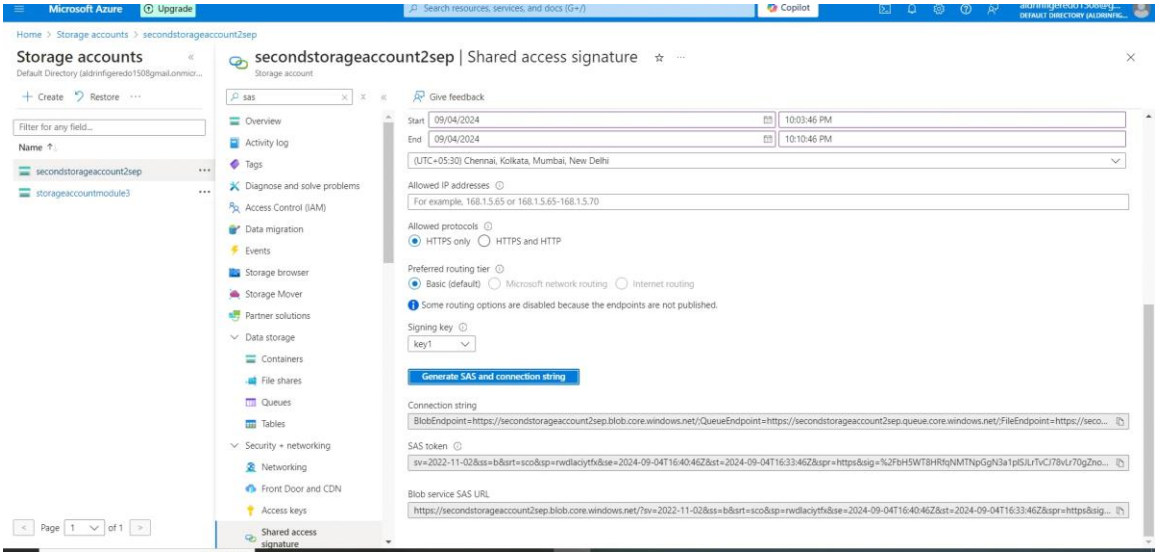
https://storageaccountmodule3.blob.core.windows.net/?sv=2022-11-02&ss=b&srt=sco&sp=rwdlaciytfx&se=2024-09-04T16:40:15Z&st=2024-09-04T16:29:15Z&spr=https&sig=

*Untitled - Notepad

File Edit Format View Help

"https://storageaccountmodule3.blob.core.windows.net/?sv=2022-11-02&ss=b&srt=sco&sp=rwdlaciytfx&se=2024-09-04T16:40:15Z&st=2024-09-04T16:29:15Z&spr=https&sig=jLIdqgoD8LYuU7jPZKfjFk81IW7DJlEct2mEVwyh75g%3D"





Blob service SAS URL

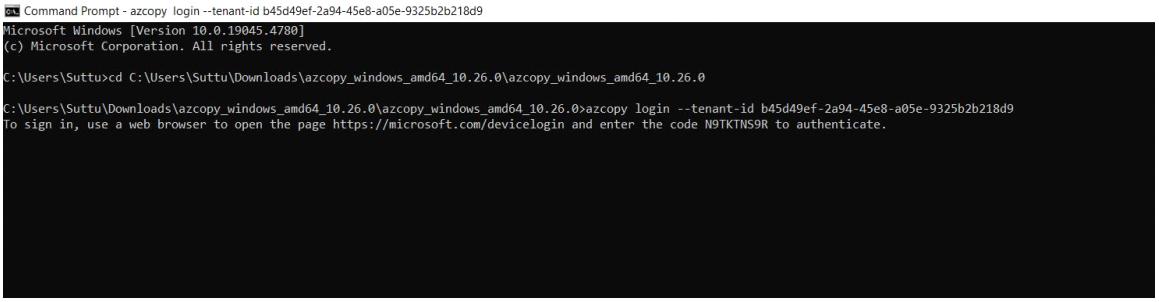
https://secondstorageaccount2sep.blob.core.windows.net/?sv=2022-11-02&ss=b&srt=sco&sp=rwdlaciytfx&se=2024-09-04T16:40:46Z&st=2024-09-04T16

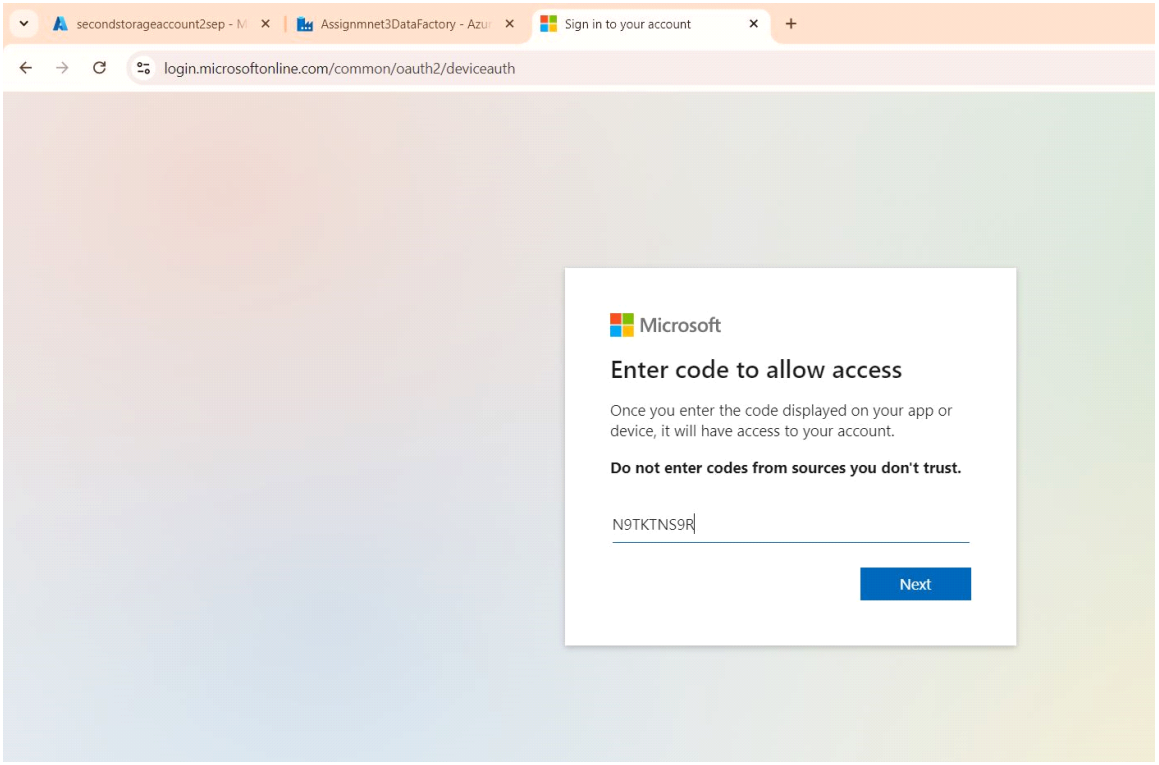
*Untitled - Notepad

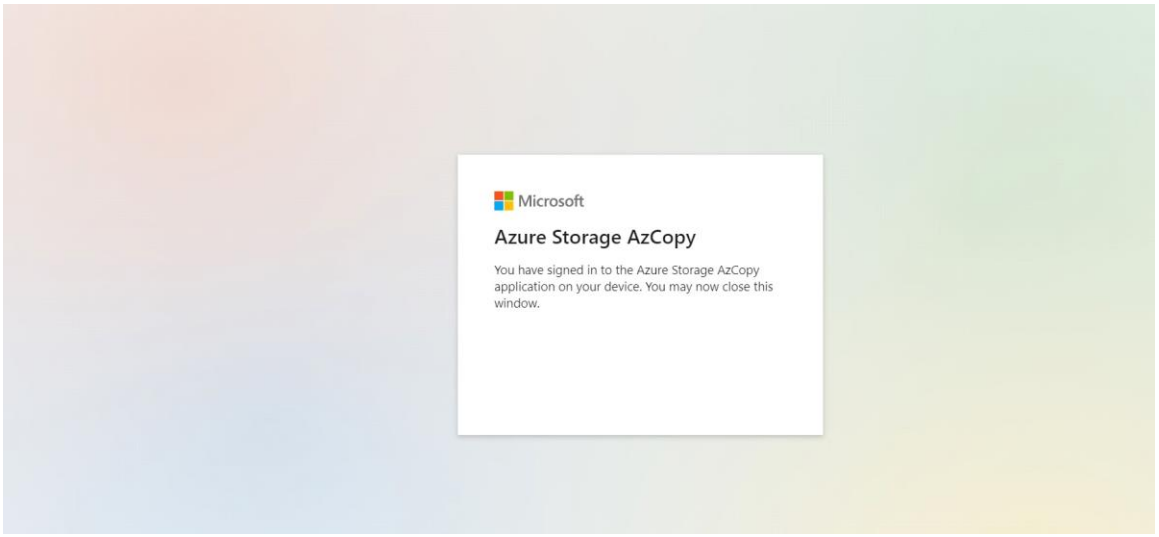
File Edit Format View Help

"https://storageaccountmodule3.blob.core.windows.net/?sv=2022-11-02&ss=b&srt=sco&sp=rwdlaciytfx&se=2024-09-04T16:40:15Z&st=2024-09-04T16:29:15Z&spr=https&sig=jLIdqgoD8LYuU7jPZKfjFk81IW7DJlEct2mEVwyh75g%3D"

"https://secondstorageaccount2sep.blob.core.windows.net/?sv=2022-11-02&ss=b&srt=sco&sp=rwdlaciytfx&se=2024-09-04T16:40:46Z&st=2024-09-04T16:33:46Z&spr=https&sig=%2FbH5WT8HRfqNMTNpGgN3a1plSJLrTvCJ78vLr70gZno%3D"


Command Prompt - azcopy login --tenant-id b45d49ef-2a94-45e8-a05e-9325b2b218d9
Microsoft Windows [Version 10.0.19045.4780]
(c) Microsoft Corporation. All rights reserved.
C:\Users\Suttu>cd C:\Users\Suttu\Downloads\azcopy_windows_amd64_10.26.0\azcopy_windows_amd64_10.26.0
C:\Users\Suttu\Downloads\azcopy_windows_amd64_10.26.0\azcopy_windows_amd64_10.26.0>azcopy login --tenant-id b45d49ef-2a94-45e8-a05e-9325b2b218d9
To sign in, use a web browser to open the page https://microsoft.com/devicelogin and enter the code N9TKTNS9R to authenticate.

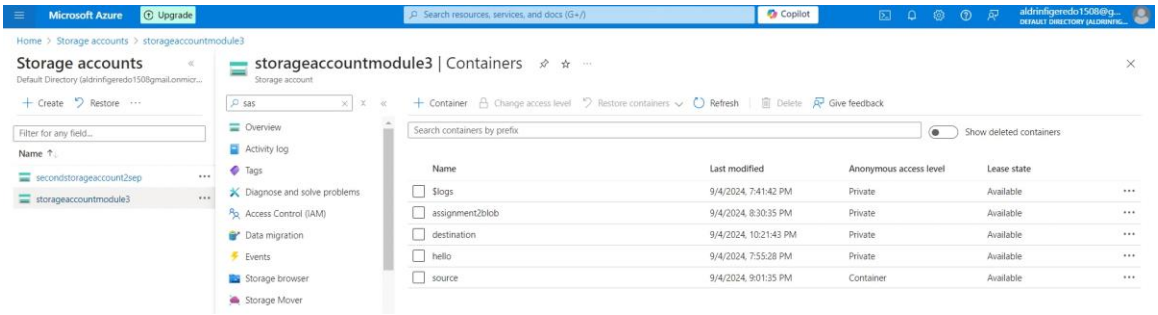
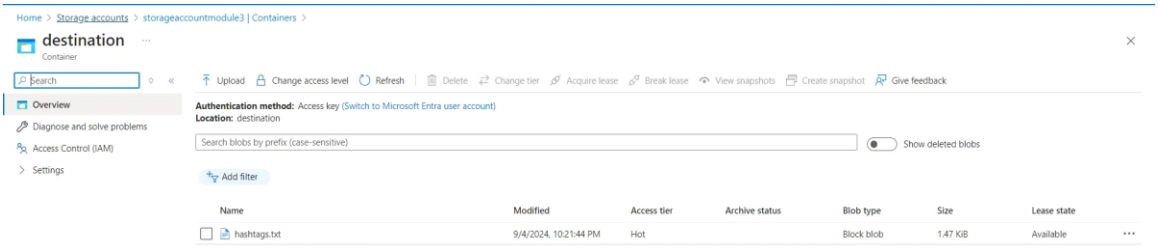

secondstorageaccount2sep - M
Assignmnet3DataFactory - Azu
Sign in to your account
login.microsoftonline.com/common/oauth2/deviceauth
Microsoft
Enter code to allow access
Once you enter the code displayed on your app or device, it will have access to your account.
Do not enter codes from sources you don't trust.
N9TKTNS9R
Next


Microsoft
Azure Storage AzCopy
You have signed in to the Azure Storage AzCopy application on your device. You may now close this window.

```
C:\Users\Suttu\Downloads\azcopy_windows_amd64_10.26.0\azcopy_windows_amd64_10.26.0>
C:\Users\Suttu\Downloads\azcopy_windows_amd64_10.26.0\azcopy_windows_amd64_10.26.0>azcopy login --tenant-id b45d49ef-2a94-45e8-a05e-9325b2b218d9
To sign in, use a web browser to open the page https://microsoft.com/devicelogin and enter the code SE82B5394 to authenticate.

INFO: Login succeeded.

C:\Users\Suttu\Downloads\azcopy_windows_amd64_10.26.0\azcopy_windows_amd64_10.26.0>https://microsoft.com/devicelogin
```

```
"https://storageaccountmodule3.blob.core.windows.net/?sv=2022-11-02&ss=b&srt=sco&sp=rwdlaciytfx&se=2024-09-04T16:40:15Z&st=2024-09-04T16:29:15Z&spr=https&sig=jLIdqgoD8LYuU7jPZKfjFk81IW7DJlEct2mEVwyh75g%3D" "https://secondstorageaccount2sep.blob.core.windows.net/?sv=2022-11-02&ss=b&srt=sco&sp=rwdlaciytfx&se=2024-09-04T16:40:46Z&st=2024-09-04T16:33:46Z&spr=https&sig=%2FbH5WT8HRfqNMTNpGgN3a1plSJLrTvCJ78vLr70gZno%3D"
```

```
C:\Users\Suttu\Downloads\azcopy_windows_amd64_10.26.0\azcopy_windows_amd64_10.26.0>azcopy copy "https://secondstorageaccount2sep.blob.core.windows.net/?sv=2022-11-02&ss=b&srt=sco&sp=rwdlaciytfx&se=2024-09-04T17:30:10Z&st=2024-09-04T16:47:10Z&spr=https&sig=BL%2FFNkFYov3NgQBytO%2BiVYhhaBo6gp1YUo3asF72rp21%3D" "https://storageaccountmodule3.blob.core.windows.net/?sv=2022-11-02&ss=b&srt=sco&sp=rwdlaciytfx&se=2024-09-04T17:30:17Z&st=2024-09-04T16:48:17Z&spr=https&sig=CwhH9HhwDEo3CNvxIwkaz2wI373GkS0Q5g%2B9N00jCinU%3D" --recursive
INFO: Scanning...
INFO: Any empty folders will not be processed, because source and/or destination doesn't have full folder support

Job 8d5c2e20-d20c-b644-7ed0-05af01779703 has started
Log file is located at: C:\Users\Suttu\.azcopy\8d5c2e20-d20c-b644-7ed0-05af01779703.log

100.0 %, 1 Done, 0 Failed, 0 Pending, 0 Skipped, 1 Total, 2-sec Throughput (Mb/s): 0.006


Job 8d5c2e20-d20c-b644-7ed0-05af01779703 summary
Elapsed Time (Minutes): 0.0336
Number of File Transfers: 1
Number of Folder Property Transfers: 0
Number of Symlink Transfers: 0
Total Number of Transfers: 1
Number of File Transfers Completed: 1
Number of Folder Transfers Completed: 0
Number of File Transfers Failed: 0
Number of Folder Transfers Failed: 0
Number of File Transfers Skipped: 0
Number of Folder Transfers Skipped: 0
Total Number of Bytes Transferred: 1501
Final Job Status: Completed


C:\Users\Suttu\Downloads\azcopy_windows_amd64_10.26.0\azcopy_windows_amd64_10.26.0>
```