Unable to create folder or directory in Blob storage for Airflow dags

Last updated by | Sunil Veldurthi | Jan 30, 2023 at 7:44 AM PST

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Issue

Not able to create folder/directory named dags under the container in Blob storage (Not ADLS). As part of managed airflow, we need to select containers that should contain the dags directory (under this dag files exist)
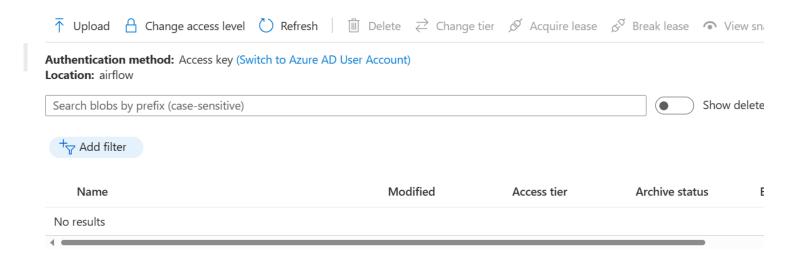
Import Files

You can import DAGs and their dependencies through this interface. You will need to select a directory path from a blob storage account that contains folders named 'dags' and 'plugins' in order to import those into the Airflow environment.

Linked service

| airflowblobstorage2 | ⌄ | ✎ |

Folder path

| Container | / | Directory | 📁 Browse | ⌄ |

Ensure the selected folder contains either a 'dags' or 'plugins' folder

Root Cause:

Blob storage does not support hierarchical folder level so it does not allow creating folders/directories under containers.

↑ Upload   🔒 Change access level   ↻ Refresh   │   🗑 Delete   ⇄ Change tier   ⌀ Acquire lease   ⌀ Break lease   ◉ View sn

Authentication method: Access key (Switch to Azure AD User Account)
Location: airflow

| Search blobs by prefix (case-sensitive) | | | | |

⬤ Show delete

⁺▽ Add filter

Name	Modified	Access tier	Archive status	E
No results				

Resolution:

To create a dags directory while importing dag files we need to follow the below steps

- Select the container to which dag files need to import
- Upload --> Select files to upload --> Advanced --> Upload to folder (give name as **dags**) and --> Upload

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Upload blob

airflow/

Files ⓘ

"helloworld.py"

☐ Overwrite if files already exist

⌃ Advanced

Authentication type ⓘ

(Azure AD user account (**Account key**))

Blob type ⓘ

Block blob ⌄

☑ Upload .vhd files as page blobs (recommended)

Block size ⓘ

4 MB ⌄

Access tier ⓘ

Hot (Inferred) ⌄

Upload to folder

dags