

# [ADLS Gen1] - Create file failure with service principle auth

Last updated by | Jackie Huang | Jan 4, 2022 at 12:24 AM PST

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## Issue

When customer try to move/transfer data from different source into ADLS gen1 sink, if the linked service's auth method is service principle auth. He may find job will fail with following error message:

```
org.apache.hadoop.security.AccessControlException: CREATE failed with error 0x83090aa2 (Forbidden. ACL verific
```




## Root Cause

RWX permission is not set correctly/ dataset property is not set correctly.

## Resolution

- If the target folder doesn't have correct permissions:

Follow this doc to assign correct permission in Gen 1. <https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-data-lake-store#use-service-principal-authentication> 

- If the target folder has correct permission, but the dataset's File Path property is not set to the target file path (usually leave not set), and customer using File Name property in dataflow to target to the right folder and filename.

For example,



DelimitedText  
Gen1DelimitedText1

Connection	Schema	Parameters
<div>Linked service * AzureDataLakeStore1</div> <div>Test connection Edit + New</div>		
<div>File path * Directory / File</div> <div>Browse Preview data</div>		
Compression type none		
Column delimiter Comma (,) Edit		
Row delimiter Auto detect (\r,\n, or \r\n)		

The screenshot displays the Azure Data Factory (ADF) pipeline editor. At the top, a pipeline is shown with a source named 'source1' (Import data from InputResult) connected to a sink named 'sink1' (Columns: 0 total). Below the pipeline is a dashed box labeled 'Add Source'. The bottom section shows the 'Settings' tab for the sink, with options for 'Clear the folder', 'File name option', and 'File names'. The 'File names' field is highlighted with a red box and contains the path '/local/folder/target/1.0/adf.csv'.

That's because our backend system will try to create file based on the dataset's file path, and the dataset's file path doesn't have the correct permissions.

There are two method to cover:

1. assign WX permission into dataset's File Path.
2. set the dataset's File Path as the folder with WX permission, and set the rest folder path and file name in

## Additional Information:

- Icm Reference: [212309586](<https://portal.microsofticm.com/imp/v3/incidents/details/212309586/home>)
- Author: Xiaojin Wang
- Reviewer: Xiaojin Wang; Shawn Xiao