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

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

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

Linked service *	AzureDataLakeStore1 ⌄	Test connection Edit + New

File path * | Directory | / | File | 📁 Browse | ⌄   👓 Preview data | ⌄

Compression type | none ⌄ |

Column delimiter | Comma (,) ⌄ | ⓘ
                     ☐ Edit

Row delimiter | Auto detect (\r,\n, or \r\n) ⌄ | ⓘ
                  ☐

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)
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