

ADF CDC showing constant failed state

Last updated by | Sunil Veldurthi | Jan 19, 2023 at 10:47 PM PST

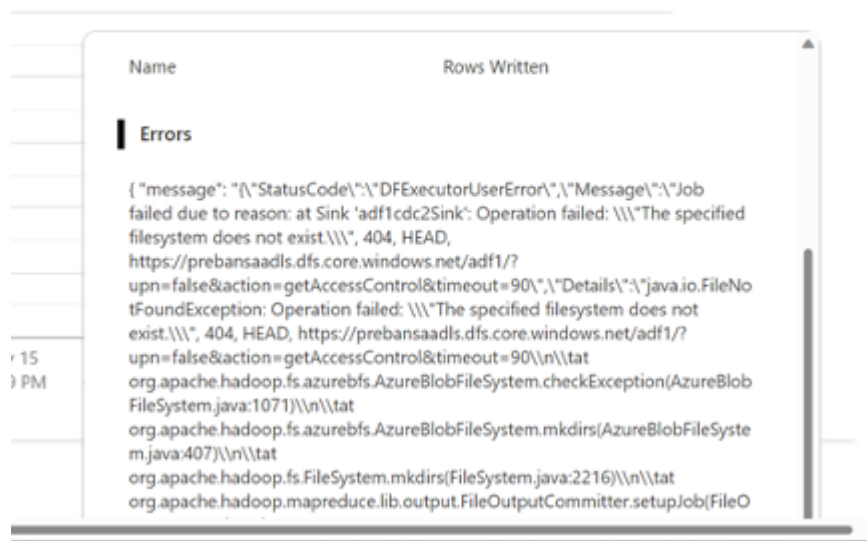
Issue:

After starting ADF CDC, it is constantly showing failed state.

Root Cause

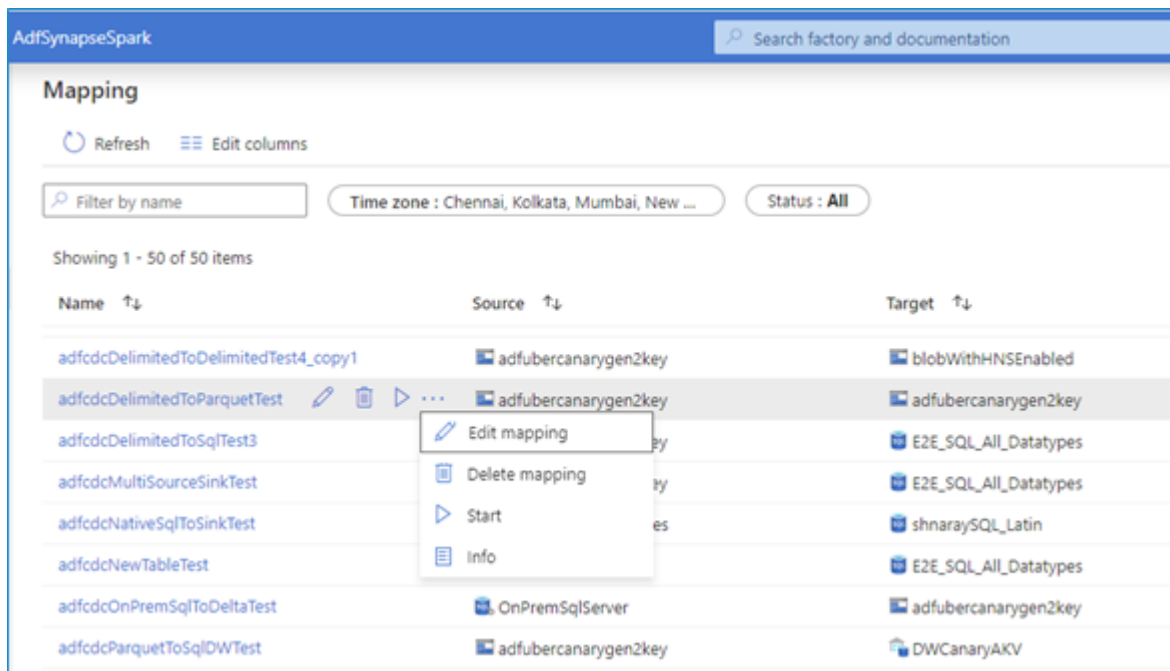
The root cause is identified by either checking the monitoring view or using Kusto queries.

1. Monitoring view

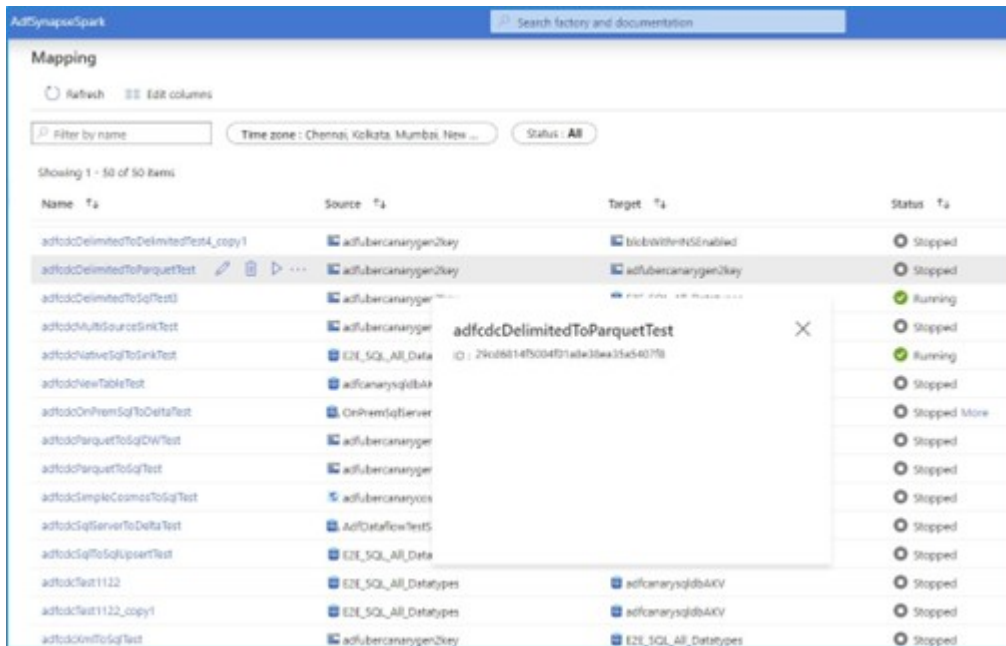


2. Use Kusto queries The user needs to share the following inputs: adfcdcname/mapperid, datafactoryname, failure timestamp.

- Fetch the Mapping ID from the CDC monitoring page
 - ☐ Go to Monitor section and click on Change Data capture.
 - ☐ Hover mouse over the CDC(aka Mapping) and click on the 3-dots(ellipsis) button.
 - ☐ Click on Info menu item in the context menu.



- ☐ A popup is shown with Mapping Id . Copy manually or use the 'Copy to Clipboard' option next to the



Mapping Id.

- Run below Kusto query using Mapping Id

```
cluster("adfcus.kusto.windows.net").database('AzureDataFactory').ActivityRun
| union cluster("adfcus.kusto.windows.net").database("AzureDataFactoryINT").ActivityRuns
| union cluster("adfneu.kusto.windows.net").database("AzureDataFactory").ActivityRun
| where TIMESTAMP > ago (1d) // give failure timestamp/duration
| where category == "SystemActivityRuns" and activityType == "ExecuteDataFlow"
| where dataFactoryName == 'datafactoryNamexxxxxxx'
| where pipelineName has '1a87520152584e71aabd84b6558dea4e' // Mapping Id
```

- Check for events with status == 'Failed' take the activityRunId
- From here, you may further query the **CustomLogEvent** table to find the cause of the error:

CustomLogEvent

```

| where PreciseTimeStamp >= ago(1d)
| where ActivityId == "xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxx" //Activity RunId
| where Level == 2 or Level == 3
| where TraceMessage == "ExecutionMappingDataflowActivityExecutor"
| sort by PreciseTimeStamp asc

```

Table 1 State Search UTC Done 15:28:21 8 records

	TraceMessage	JobId	Message	SubscriptionId	TenantId	TenantName
Row	ExecutionMappingDataflowActivityExecutor	46281bd-738d-4580-b636-df...	<LogProperties><Text>Callbac...	00000000-0000-0000-0000-00...	00000000-0000-0000-0000-00...	null
Row	ExecutionMappingDataflowActivityExecutor	46281bd-738d-4580-b636-df...	<LogProperties><Text>Callbac...	00000000-0000-0000-0000-00...	00000000-0000-0000-0000-00...	null
Row	ExecutionMappingDataflowActivityExecutor	46281bd-738d-4580-b636-df...	<LogProperties><Text>Callbac...	00000000-0000-0000-0000-00...	00000000-0000-0000-0000-00...	null
Row	ExecutionMappingDataflowActivityExecutor	46281bd-738d-4580-b636-df...	<LogProperties><Text>Callbac...	00000000-0000-0000-0000-00...	00000000-0000-0000-0000-00...	null
Row	ExecutionMappingDataflowActivityExecutor	46281bd-738d-4580-b636-df...	<LogProperties><Text>Callbac...	00000000-0000-0000-0000-00...	00000000-0000-0000-0000-00...	null
Row	ExecutionMappingDataflowActivityExecutor	46281bd-738d-4580-b636-df...	<LogProperties><Text>Callbac...	00000000-0000-0000-0000-00...	00000000-0000-0000-0000-00...	null
Row	ExecutionMappingDataflowActivityExecutor	46281bd-738d-4580-b636-df...	<LogProperties><Text>Callbac...	00000000-0000-0000-0000-00...	00000000-0000-0000-0000-00...	null
Row	ExecutionMappingDataflowActivityExecutor	46281bd-738d-4580-b636-df...	<LogProperties><Text>Callbac...	00000000-0000-0000-0000-00...	00000000-0000-0000-0000-00...	null

1 <LogProperties><Text>Execution failed. Error message: 'Type=Microsoft.DataTransfer.Execut...Core.ExecutionException,Message=Sink 'adf10c2Sink': Operation failed: 'The specified filesystem does not exist.', 404, HADO, https://prebanaad1a.dfs.core.windows.net/adf1/?upn=false&action=getAccessControl&timeout=0,Source=Microsoft.DataTransfer.Executions.RuntimeTask,StackTraces at Microsoft.DataTransfer, Execution.RuntimeTask, MappingDataflowExecutionWorker, ExecuteAsync, d_1.MoveNext(), /c:/Text><FunctionName>ExecutionTasks/FunctionName><FunctionParameters></FunctionParameters></LogProperties>

Resolution

Verify the source and target details thoroughly. Error itself points out what needs to be corrected in sink end i.e. trying to access the filesystem which doesn't exists.