

# ADF CDC shows transient CDC run failure

Last updated by | Sunil Veldurthi | Jan 19, 2023 at 10:46 PM PST

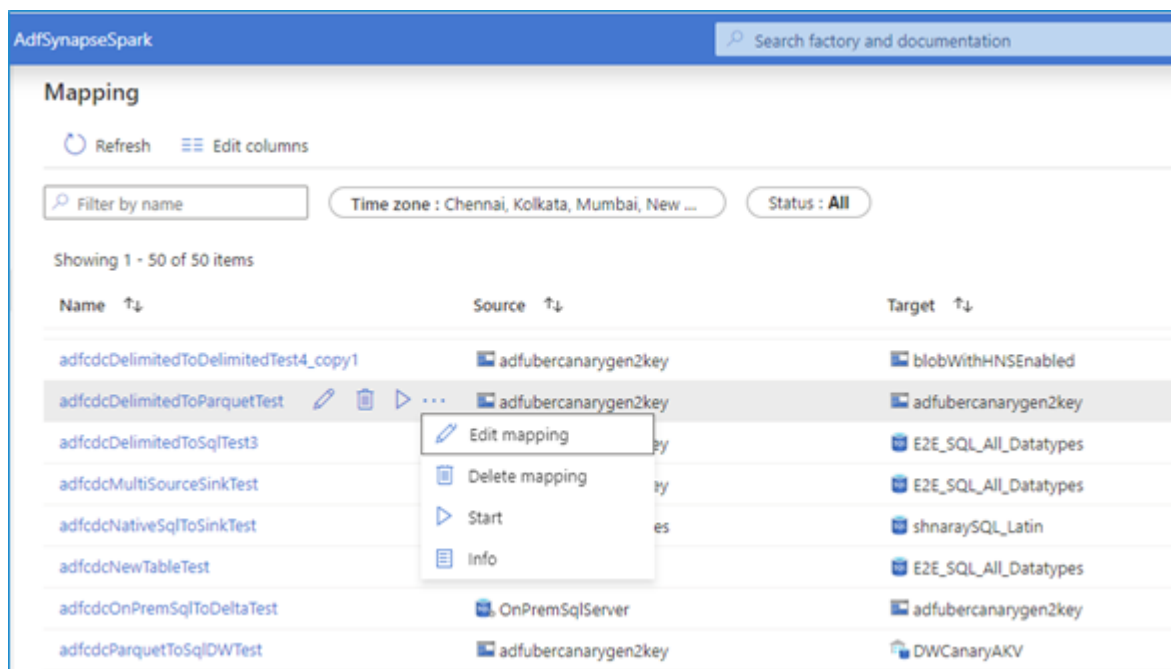
## Issue:

After starting ADF CDC, a user observes a transient CDC run failure. Failures can resemble what is observed in regular dataflow activity runs failure. Transient issues can be like "the cluster creation has failed more than [x] times".

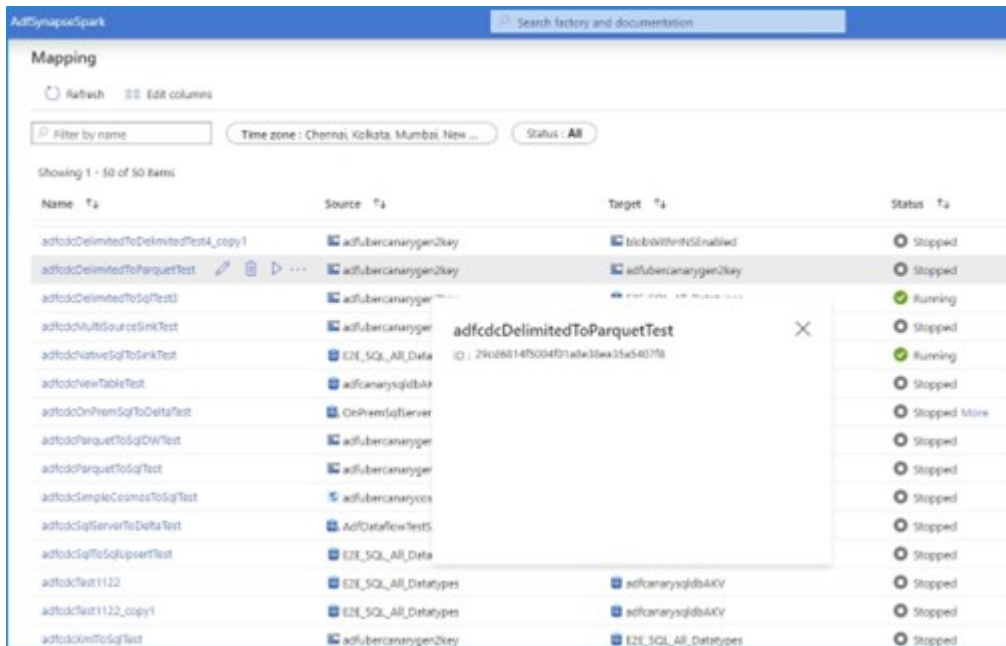
## Root Cause:

1. 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.

## 2. Run below Kusto query

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

## 3. Check for events with status == 'Failed' take the activityRunId

## 4. From here, you may further query the **CustomLogEvent** table to find the cause of the error:

```
CustomLogEvent
| where TIMESTAMP between (_startTime .. _endTime)
| where Level == 3
| where ActivityId == "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" //Activity RunId
| where TraceMessage == "ExecutionMappingDataflowActivityExecutor"
| sort by PreciseTimeStamp asc
```

## Resolution

As it is a transient error, it should be self-healed. In the case that the issue persists, the issues should also be reported for regular dataflows.