

# Retry Logic ADF Pipeline - Reference Summary

## Pipeline Variables

- RetryCount (Int): Default = 0 - Track retry attempts
- Success (Bool): Default = false - Exit flag for Until loop
- RetryTemp (String): Default = (blank) - Temporary holder for increment

## Until Activity (Until1)

Expression:

```
@or(variables('Success'), greaterOrEquals(variables('RetryCount'), 3))
```

## If Condition Activity (If Condition1)

Expression:

```
@not(equals(activity('Copy_SQL_to_Blob').Status,'Succeeded'))
```

## True Branch (If Copy fails)

- Wait Activity: Wait\_5\_Seconds (5 seconds)
- Set Variable: RetryTemp = @string(add(int(variables('RetryCount')), 1))
- Set Variable: RetryCount = @variables('RetryTemp')

## False Branch (If Copy succeeds)

- Set Variable: Success = true

## Copy Data Activity (Copy\_SQL\_to\_Blob)

- Source: Azure SQL Database

Query: SELECT \* FROM Products

- Sink: Blob Storage (DelimitedText - CSV)

Output Path: output/products.csv

First Row as Header: Yes