Azure Cloud Platform

MY SQL

AZURE SQL

AZURE DATA FACTORY (DF)

BLOB STORAGE

Binary large object

ETL thorough linked services

**Steps to create Pipeline:**

* Need to create a self-hosted integration runtime while creating a linked service to fetch data from on prem sources.
* Create On prem DBS and tables and Azure – BLOB including container, ADF & ASQL
* As I need to copy the data without any transformations from On Prem to BLOB, create a Pipeline, used copy activity to migrate the data from on prem to blob by creating linked service.
* While creating linked service, create a new self-hosted integration runtime instead of regular autointegration runtime, then install the integration runtime in your computer, and register the key provided in Azure to establish the connection to On prem Db.
* Once, done, just validate and check immediately to get the data in BLOB which is required from us to get the columns and datatypes while creating data flow or PQ.
* Then follow the same set of steps as like previous workflows.
* Created a df to fetch data from employee csv in blob and do all transformations, then loaded to ASQL.
* Create one pipeline, with copy data and dataflow activity where the data flow should be executed on successful completion of copy data.
* Trigger the df and check the tables.
* Points to remember:

1. Migrate the data to Blob to get the column details to create all data flows.
2. Once the complete pipeline is created without any issues, publish them.
3. Delete all the files in the blob storage before triggering the complete workflow.
4. Hence, it will start from Access On Prem data, then create files in BLOB, then create employee, training tables in ASQL, then finally the employee training table will be created (complete workflow can be seen)

* Refer the following screenshots which gives all the details of above-mentioned steps.





























































