MY SQL

Azure Cloud Platform

Extract/sour Azure Cliou

BLOB STORAGE

Binary large object



AZURE SQL

AZURE DATA FACTORY (DF and PQ)

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 with out 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 are like previous workflows.
* Created a df to fetch data from employee csv in blob and do all transformations, then loaded to ASQL.
* Created a PQ to fetch data from training csv and do all the transformations, then loaded to ASQL.
* Create a df to join the data from df and PQ and fetch the employee and training data based on inner join and select only the required columns, loaded them into ASQL.
* Add the df, pq to already existing pipeline with copy activity.
* 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.









































