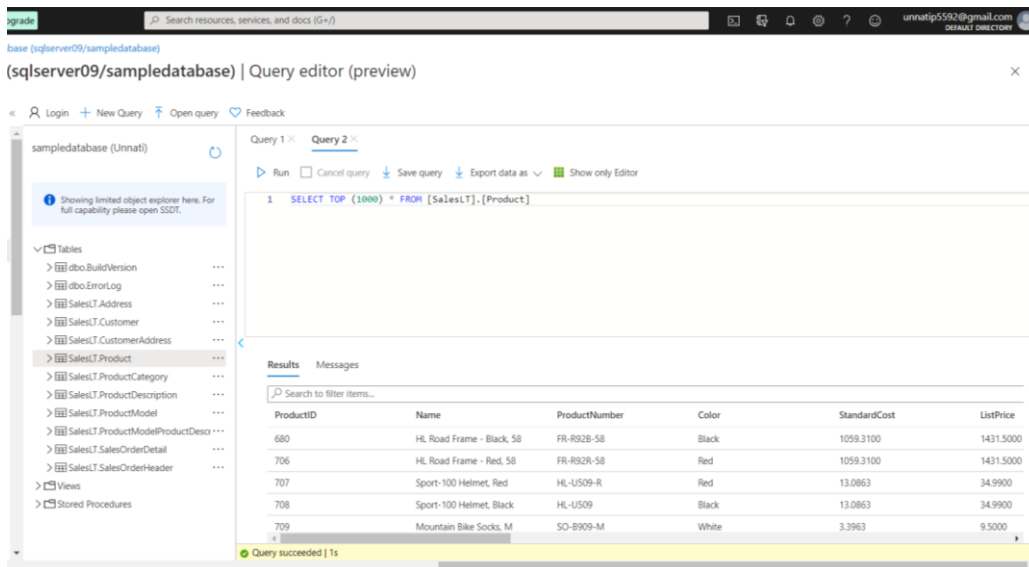# Demo: Copy activity using Data factory Inside Synapse Analytics

In this demo, I created a copy activity using data factory from inside Synapse workspace. I am going to move data from SQL Server to Sqlpool data warehouse. So from this SQL Server, we will move data into our second one, which is data warehouse.

I have simply use Copy Data tool to copy data from Azure SQL server to data warehouse. For a scheduling I have kept it for Run once now.
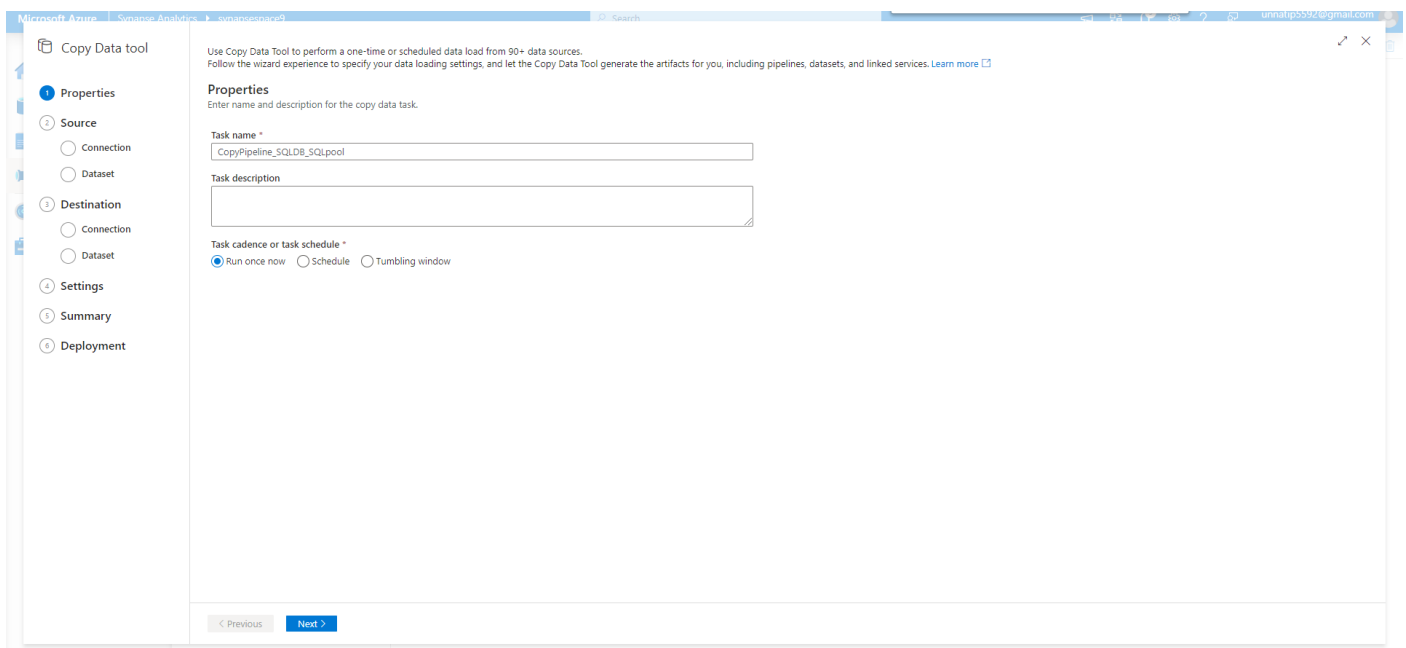
Now I have created new New Linked service to connect it to source database which is Azure SQL Database. Azure Provides more than 99 connects to all possible sources you can think of.
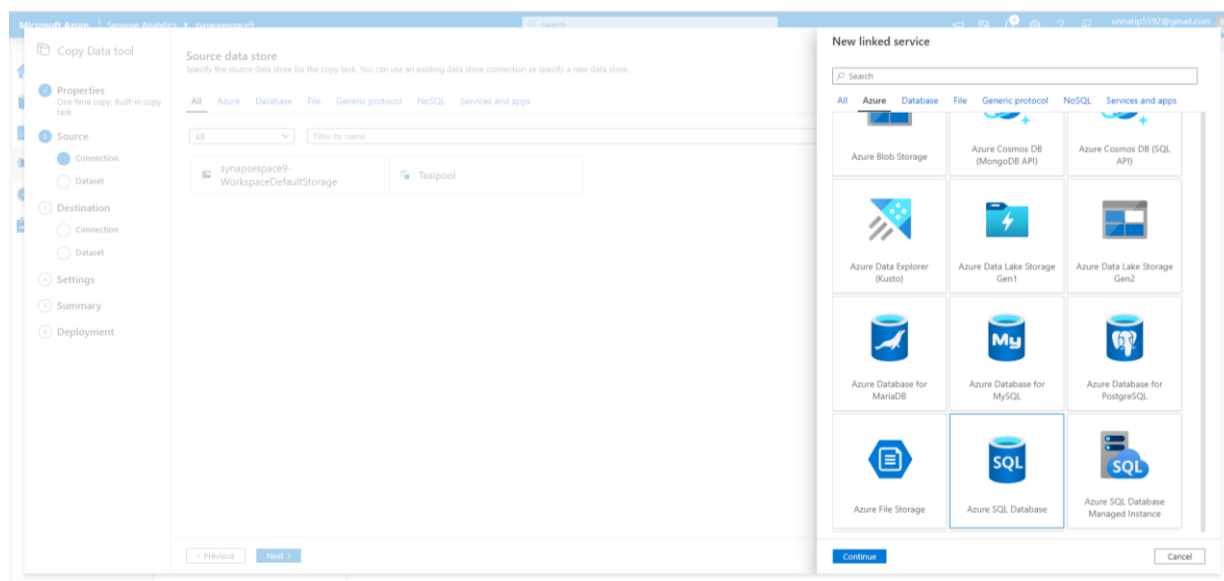
Give name to this connection according to your naming convention. Then choose your Azure Subscription, SQl server name, Database name and authentication type.

So once I have this connection here, I can select this one and then I have to select which table I want to move. I have select product table to move it to data warehouse.
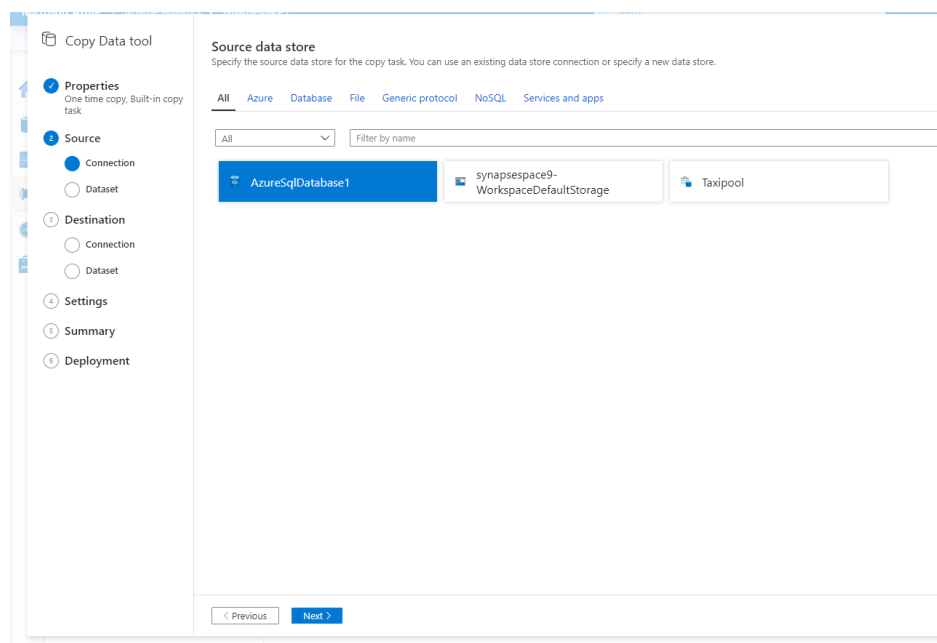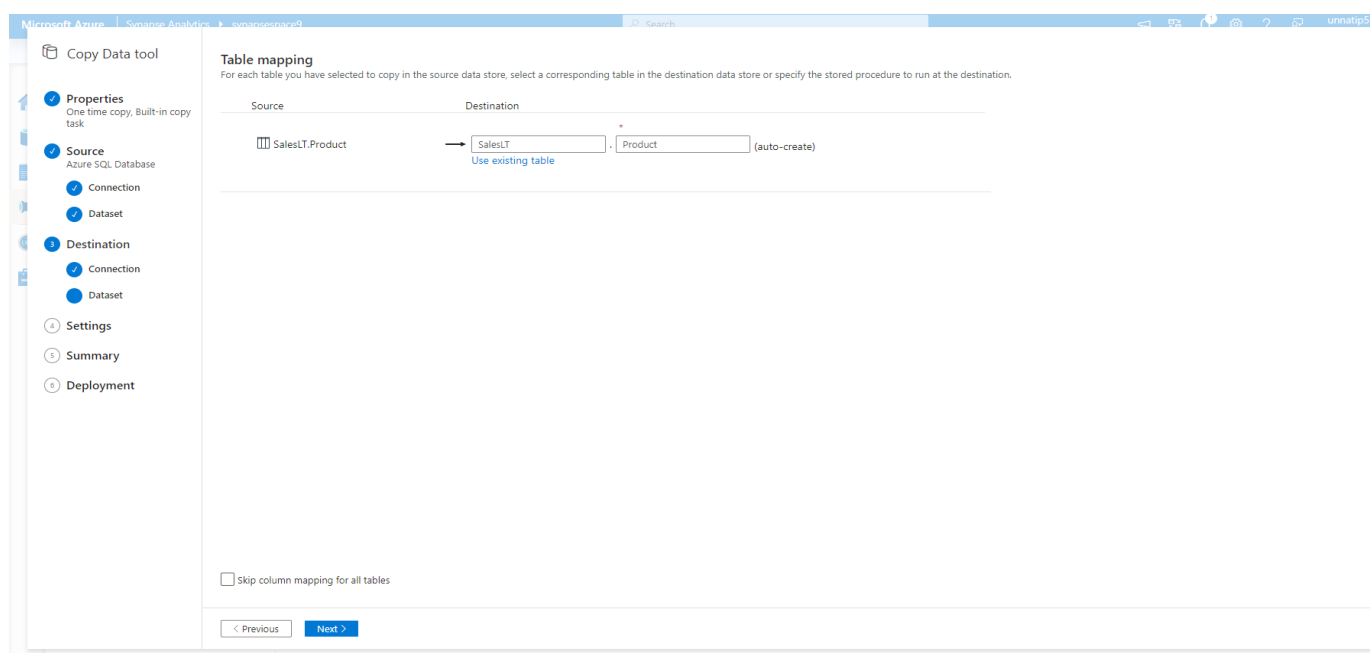

Before moving the data we will preview the data in the table and its schema. Instead of moving full table you can also write query to join the tables and create the dataset basically.
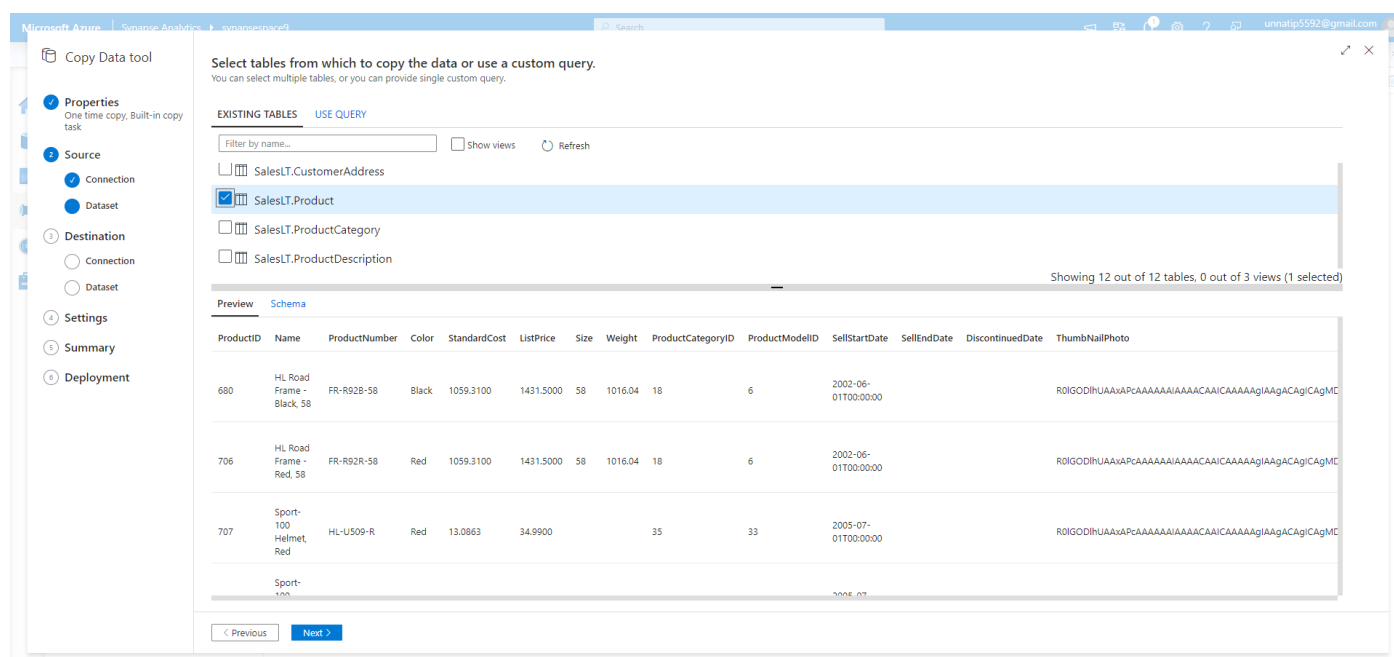
Finally, I have to configure my destination which is SQL pool (Taxipool) that I have already created for my another demo
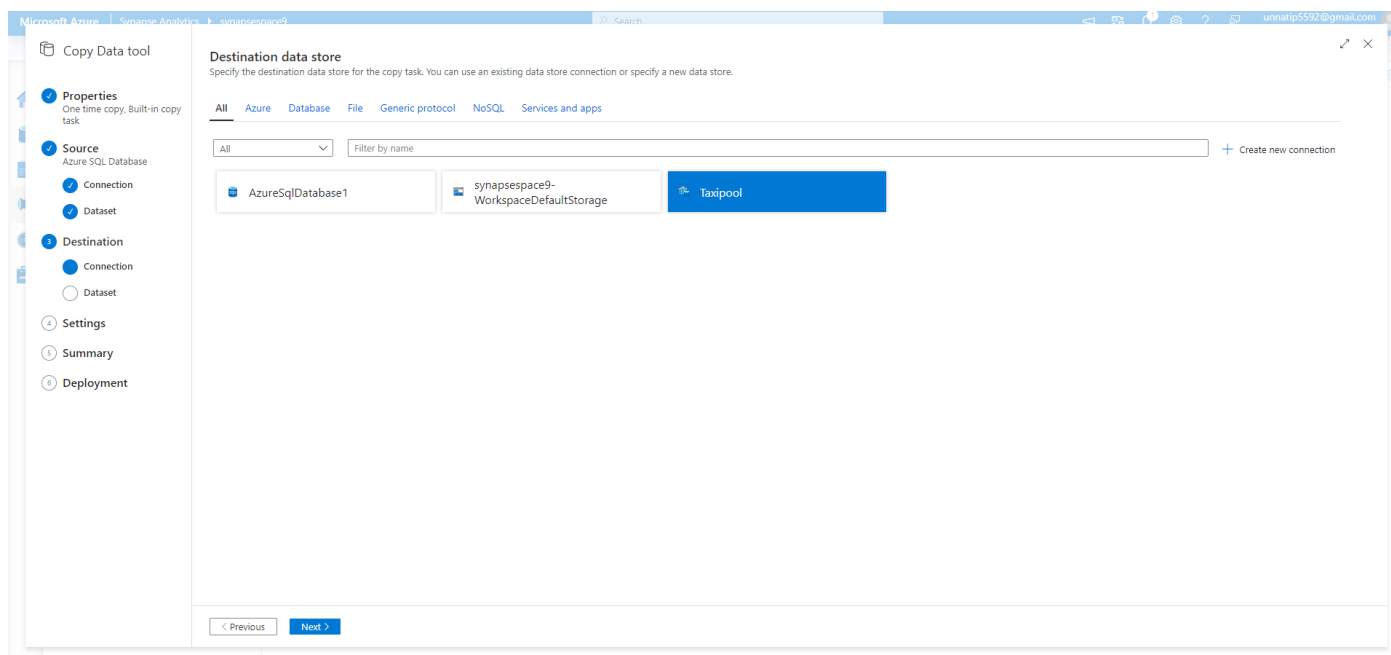
Next we have to decided where we want to move this data in SQL Pool, I dont have any table in the pool where i can dump this data so I have let azure create a table for me which is auto created, and that table name will be Product.

Here we need to map columns from our source data base to the destination database and data factory

Next there are few configurations you need to look into most importantly the one that is Allow Polybase make sure it is checked, use Polybase to improve query performance. I have let all configuration default.

This is the summary of what we configure above. So we are taking data from Azure SQL Database source to destination which is SQL data warehouse destination using Copy Data Tool.

Everything looks good and this is going to deploy my new pipeline and will also execute the pipeline.

Deplying... I hope It should not take much time.

Deployment has Completed, now click finish to monitor your Pipeline.
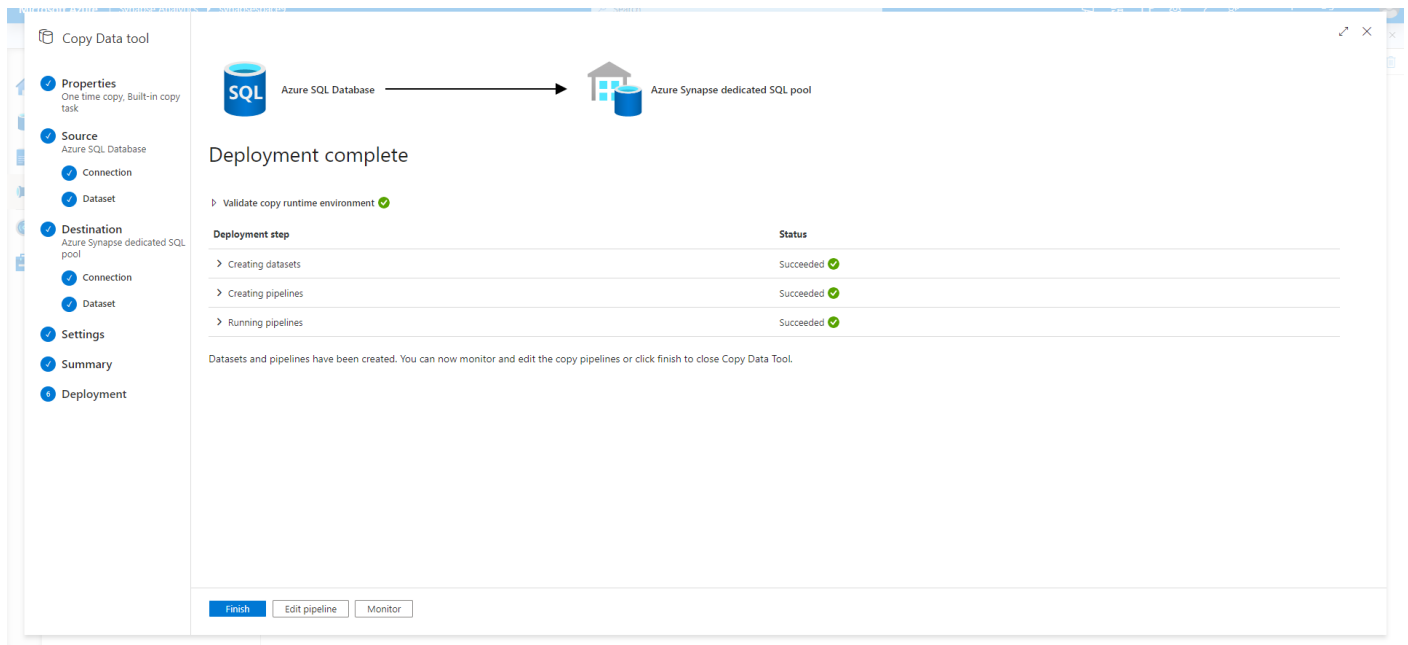
You can Monitor your Pipeline after it's successfully deployed, to see the duration, status, run time etc of your Pipeline
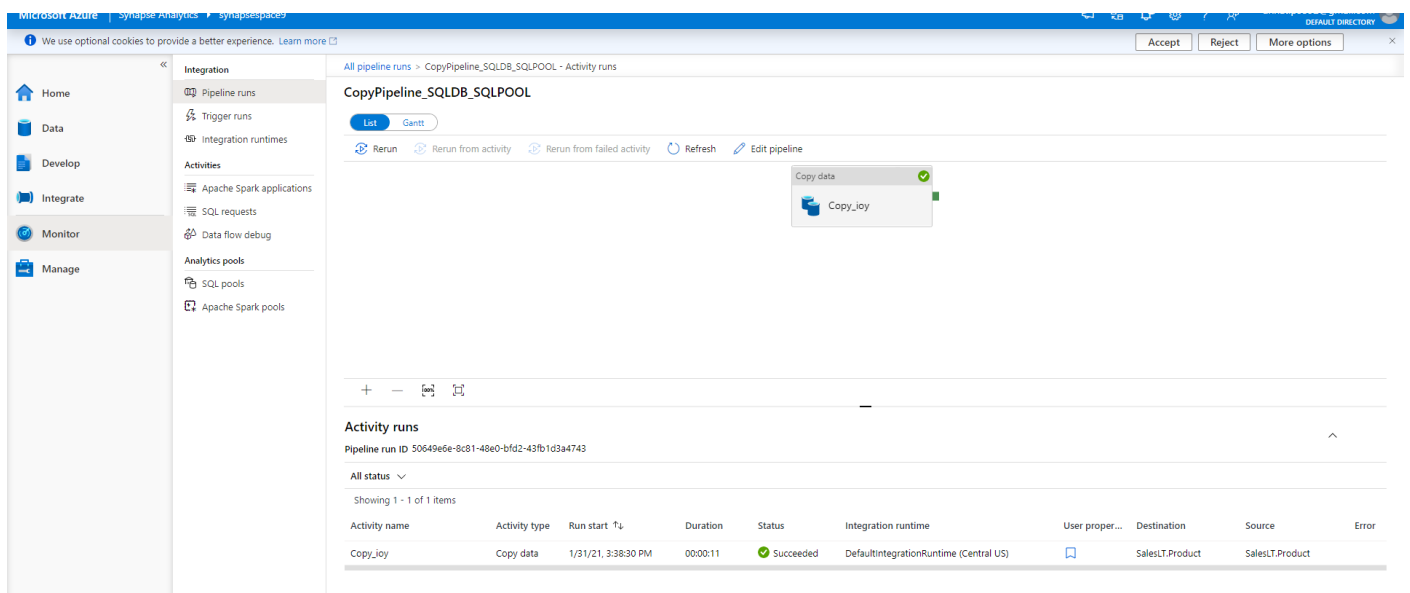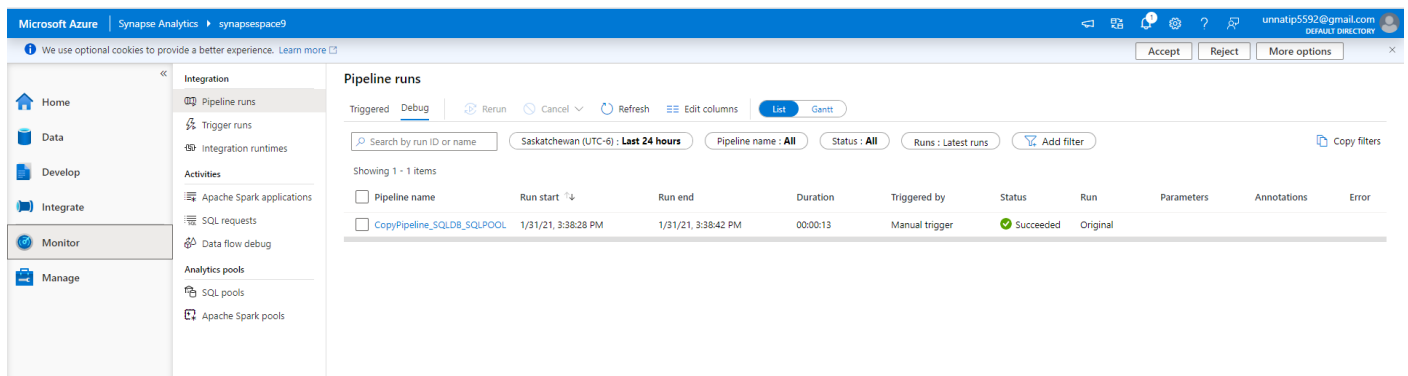
Now, I will check that my pipeline copied all data from the source tabel to destination. I will go back to my destination, which is SQL pool and I can see the product table, and making sure that all the data copied to the destination table.