MET - Using Power BI with the AWS Cloud PoC Submission

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Pre Requirements –

1. Amazon Athena ODBC Driver

   Download link -
   https://docs.aws.amazon.com/athena/latest/ug/connect-with-odbc.html

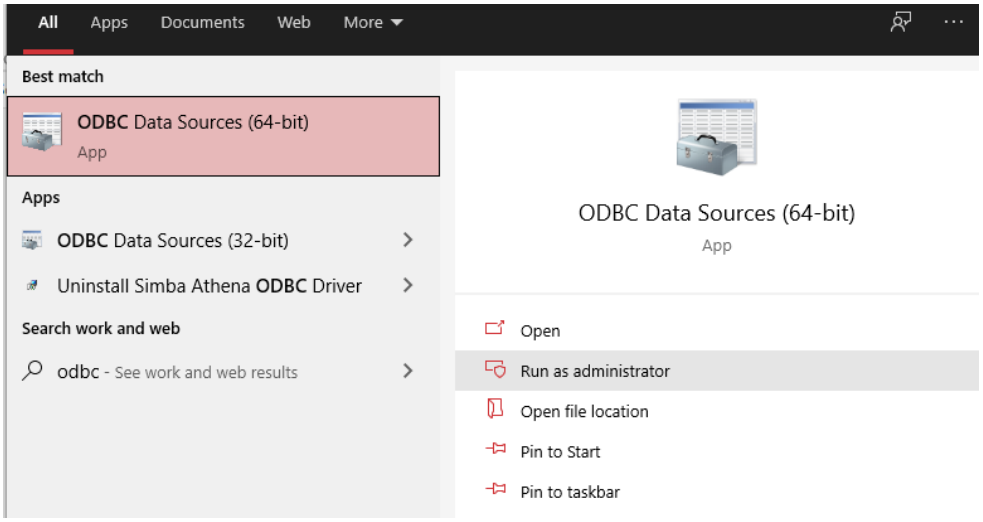
2. Microsoft PowerBI
   Download link -
   https://powerbi.microsoft.com/en/downloads/

3. An AWS account with admin/IAM access.

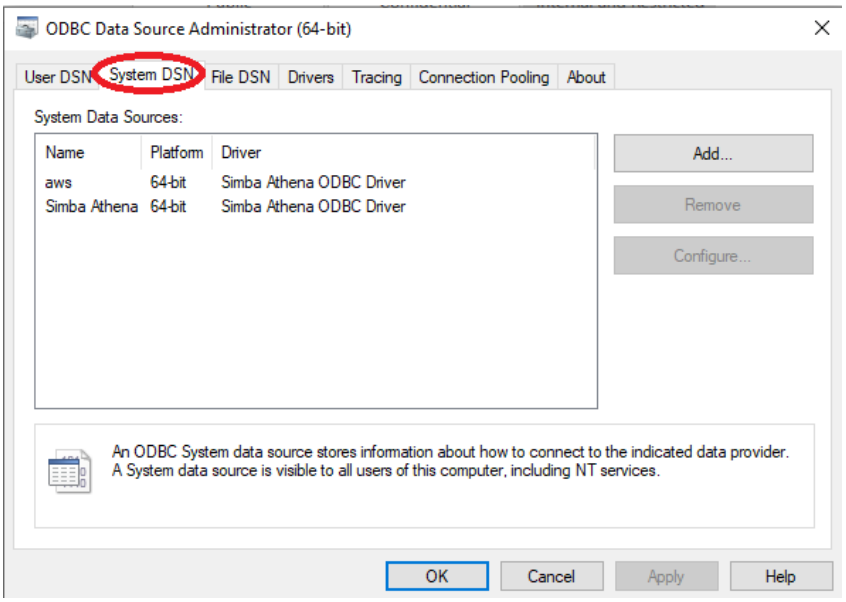
Steps to connect PowerBI to AWS S3 –

Step 1 – Install Amazon Athena ODBC driver, this will allow us to connect PowerBI to S3.

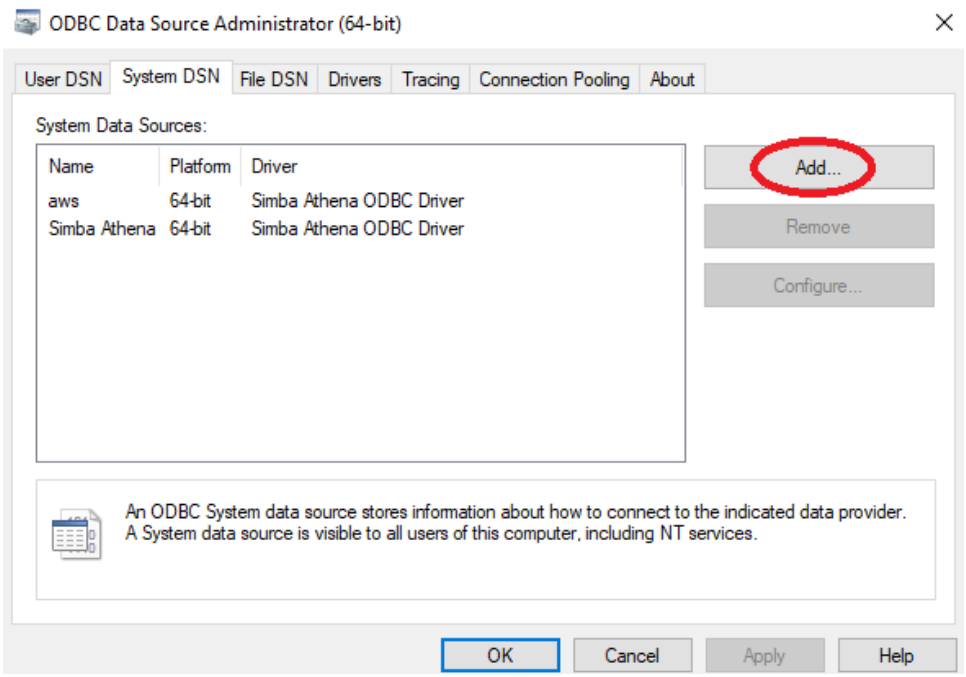
Step 2 – Open ODBC data source as admin as shown below.



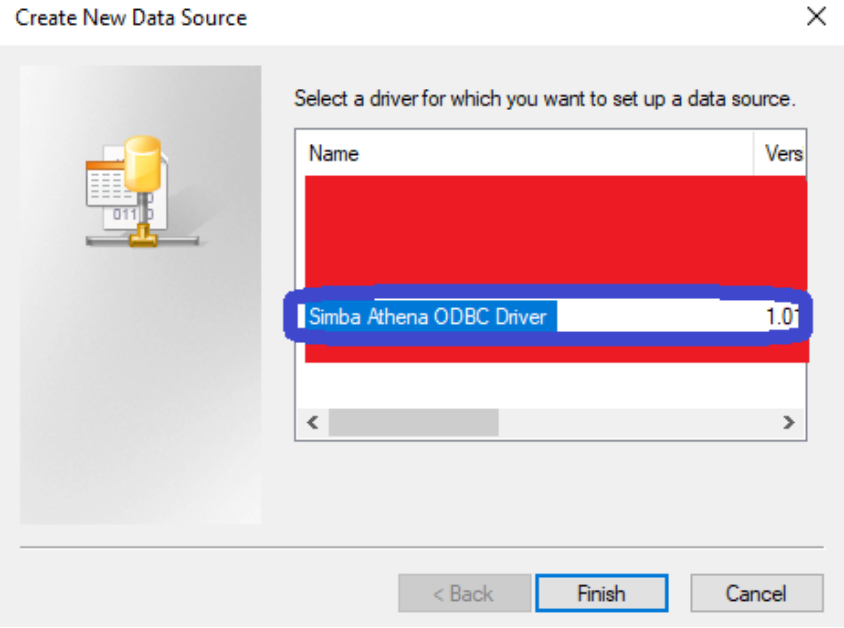
Step 3 – Click on the 2nd tab “System DNS”



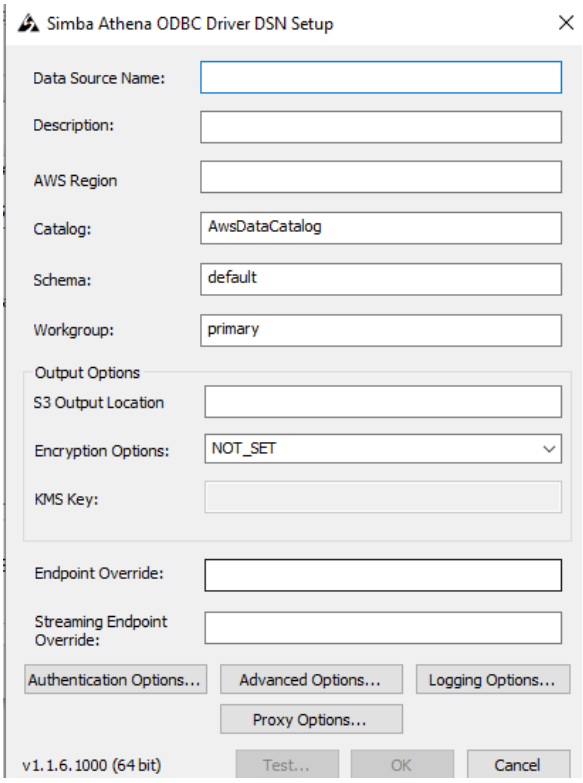
Step 4 – Click on Add.



Step 5 – Now select “Simba Athena ODBC Driver” and click on “Finish”.

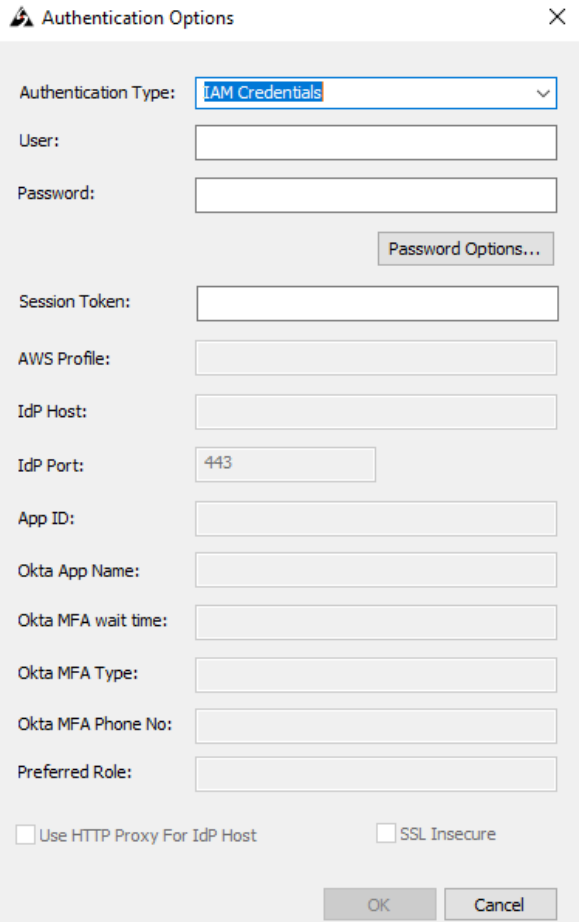


Step 6 – You will get a window as shown below.



For “Data source name” and “Description” you can fill out anything of your wish. For “AWS Region” please mention the AWS region where S3 is hosted (in case you don’t know , open your S3 –> Properties you will find it) , let “Catalog” , “Schema” & “Workgroup” be same as it is. For “S3 Output Location” select a location in your S3 bucket and paste the path.

Step 6 – Click on Authentication Options.



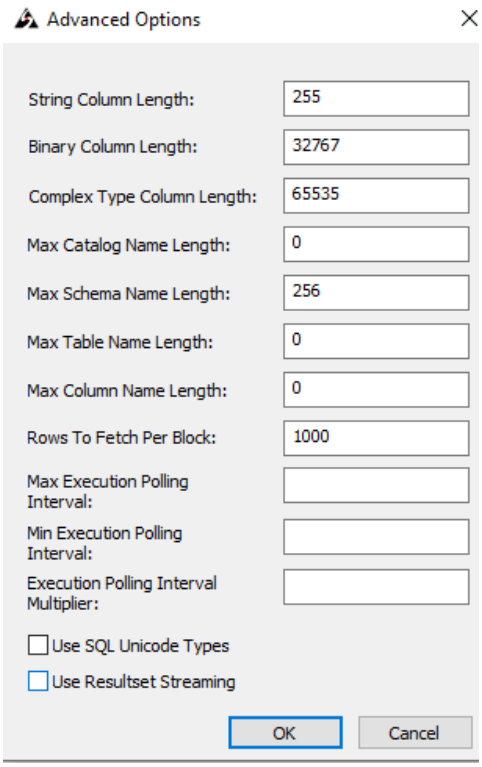
Select the “Authentication Type” as IAM Credentials.

In place of “User” paste the Access key of the AWS user.

In place of “Password” paste the Security Key of the AWS user(check with the AWS admin for the security key).

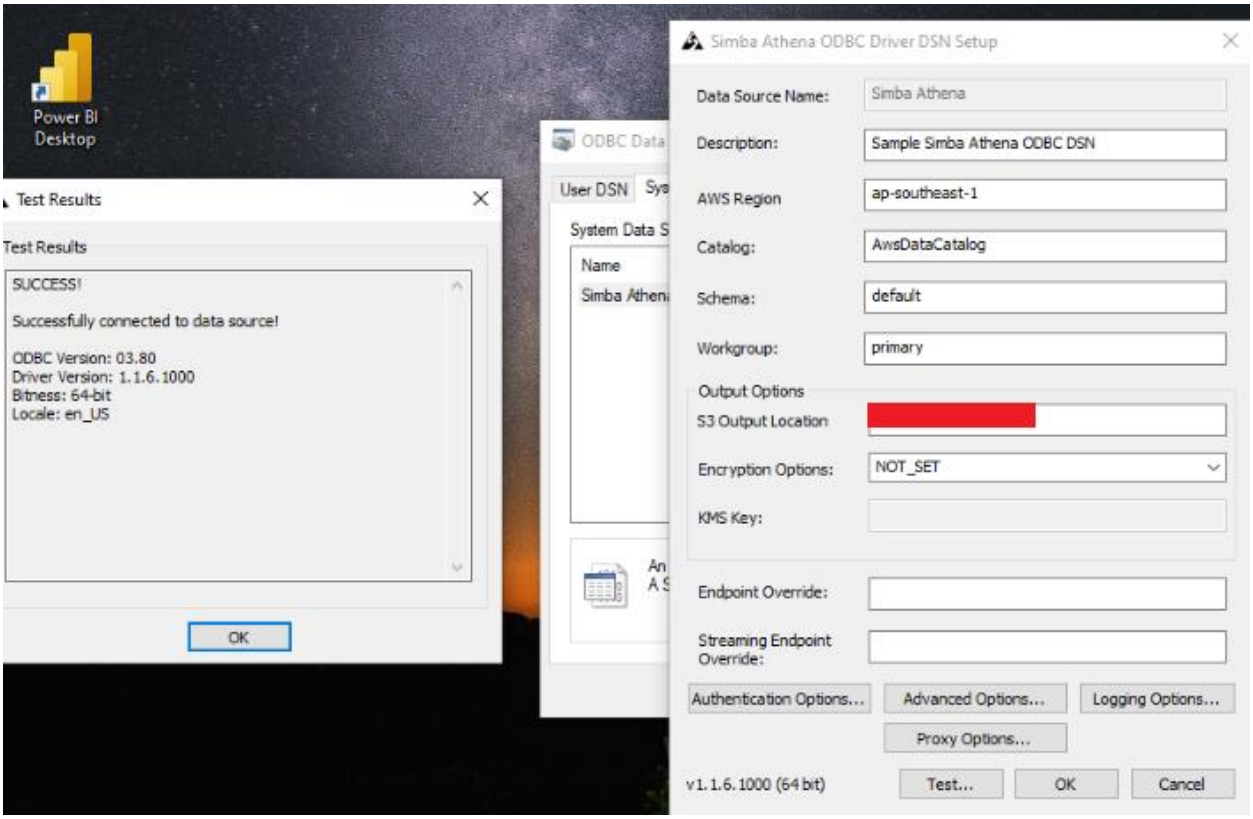
Then click on “ok”.

Step 7 – click on “Advanced Options” and make sure the values are same as below.



And click on “OK”

Step 8 – Click on “Test” , you should get a success message as shown below.



Step 9 – click on “OK” and close the Simba Athena Setup and ODBC Data source Admin.

Step 10 - load your data file to AWS Athena and create a table.

Step 11.

Open Microsoft PowerBI -> Get Data -> More -> search for ODBC and click on “Connect” , under Data Source Name drop down select the one we created now and click on “OK”

, now you will be connect to your S3 and you will be able to see the tables that are created.