Coach Documentation

Wednesday, February 24, 2021 12:05 PM

Activity 1:

Make sure that SAP S/4 appliance is installed and have access details in right SAP client.

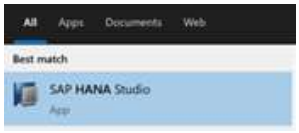
Activity 2:

Now install the Power BI client and SAP HANA studio on SAP windows jump box to configure the DB connection and create the direct query using power BI desktop,

Activity 3:

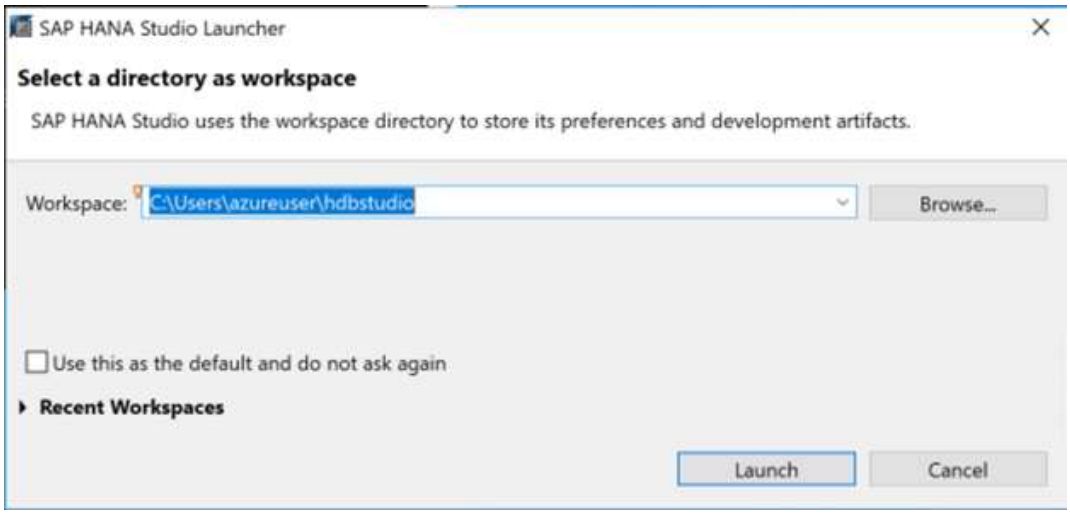
Now need to configure the connection to SAP HANA DB using some pre-requisite steps on HANA studio and power BI desktop.

Login in SAP HANA Database using HANA Studio:



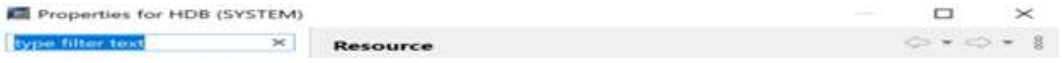
Or

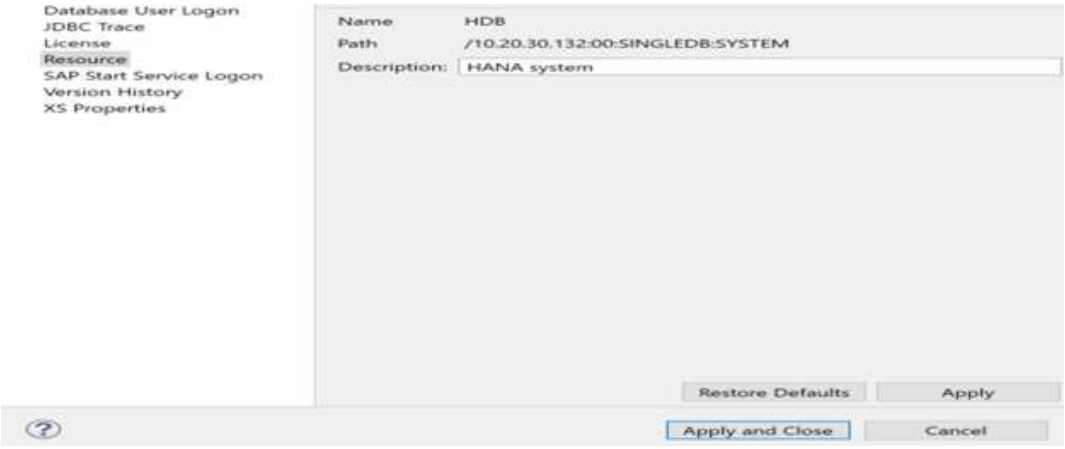
Following pop up will appear -



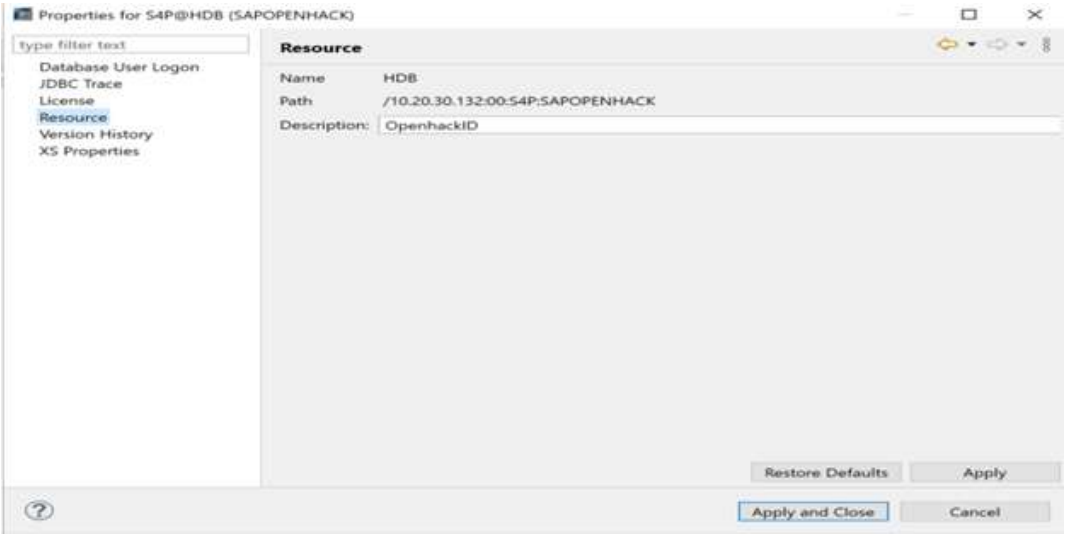
Select "Launch" Button ...

After selecting launch ...

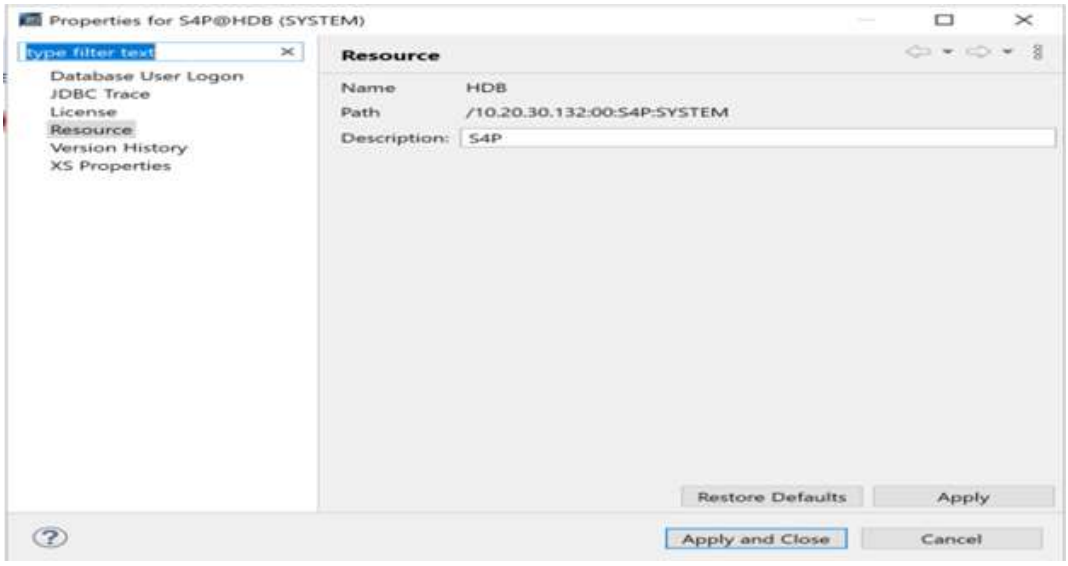




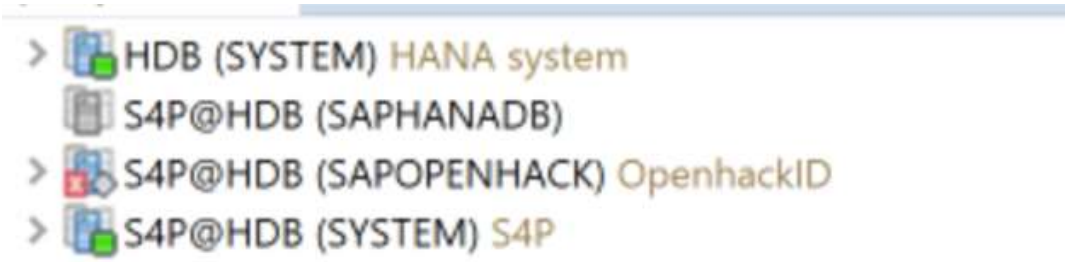
Select "Apply and Close "



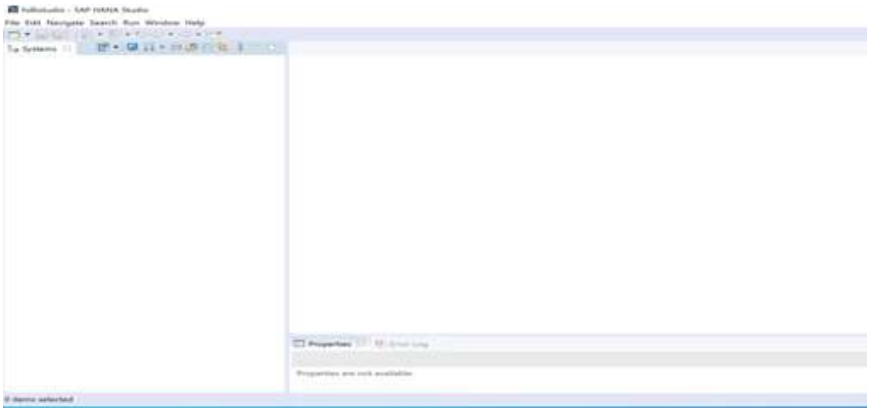
Select description "Open Hack ID" - apply and close



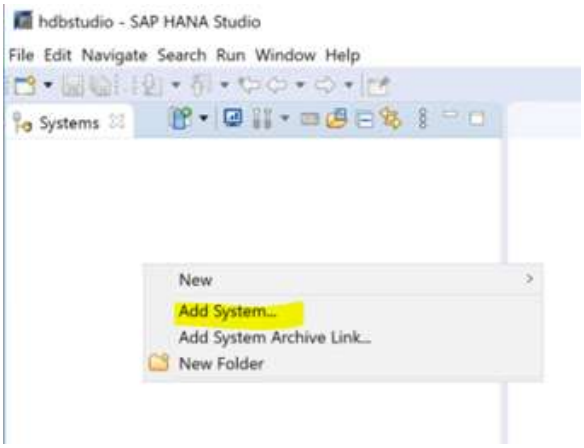
It will create "OpenhackID" entry in the SAP studio



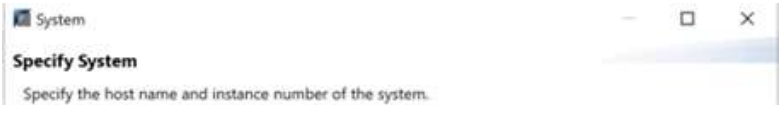
Initial screen of SAP HANA studio will pop up

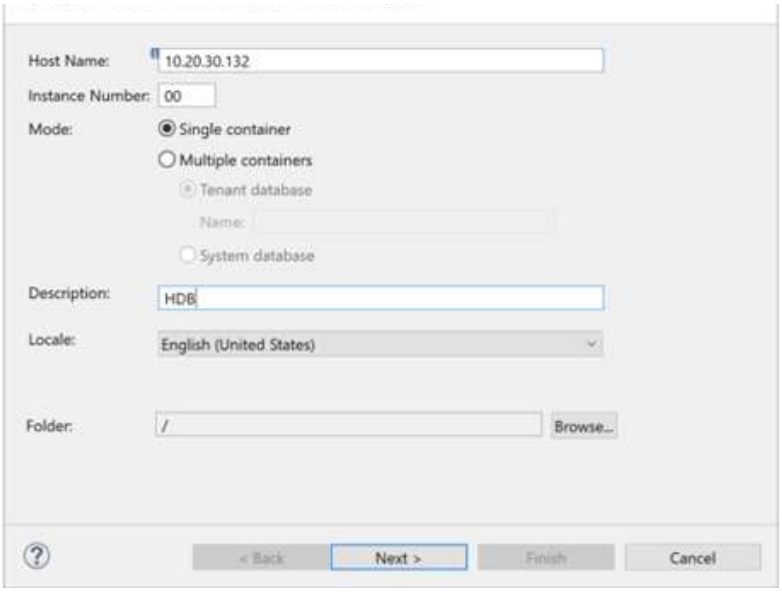


Right click on the left space under systems and select “Add System”

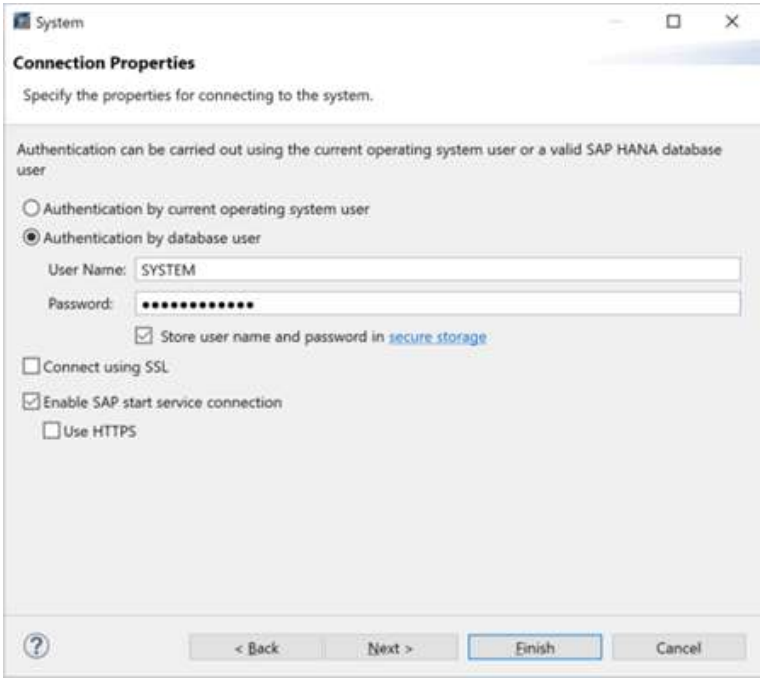


Enter the system information as below

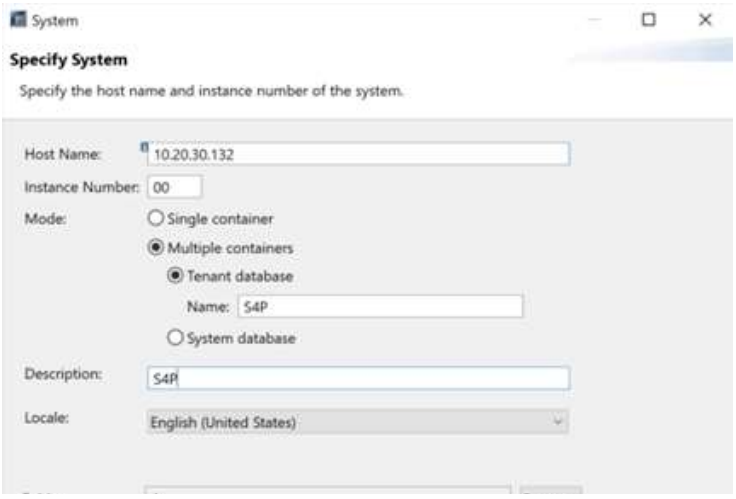




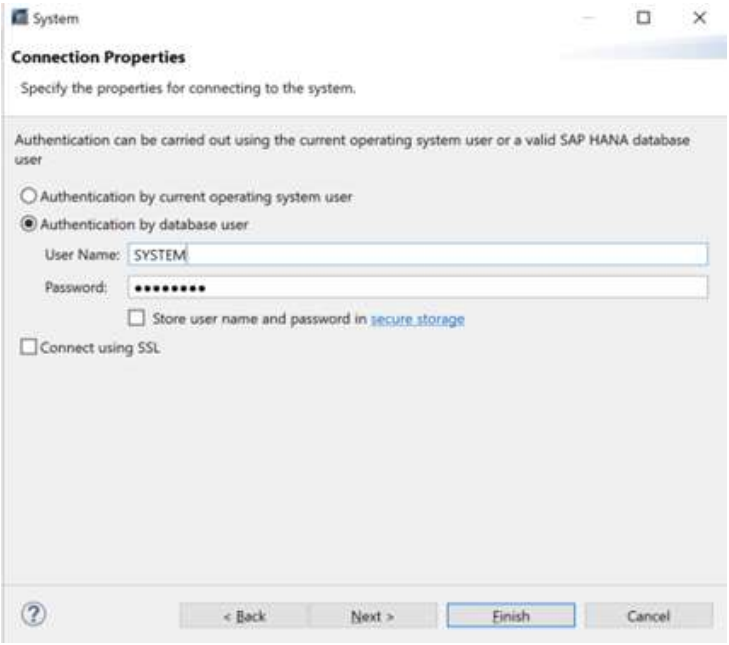
Enter system user ID and password for SAP HANA DB



Add SAP system S4P

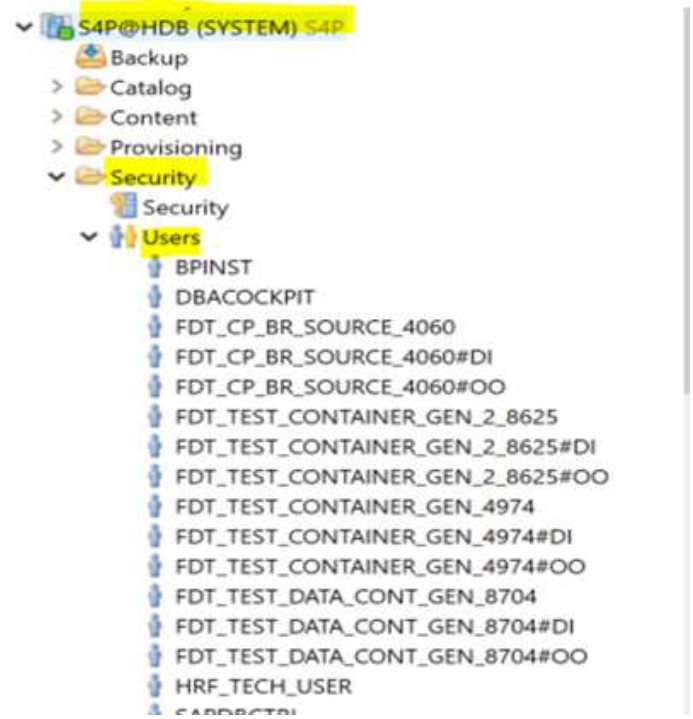


Enter the "SYSTEM" DB user and password

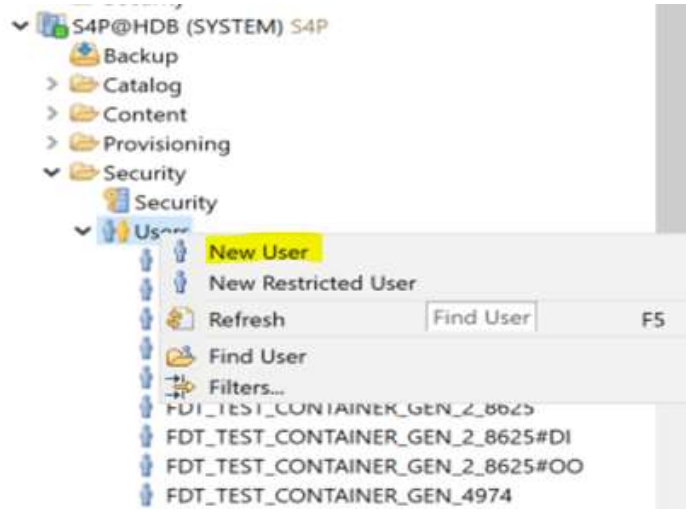


Setup new User ID in SAP HANA Database:

Create a new user ID SAPOPENHACK in SAP HANA, this user will be used to connect Power BI to SAP HANA Database

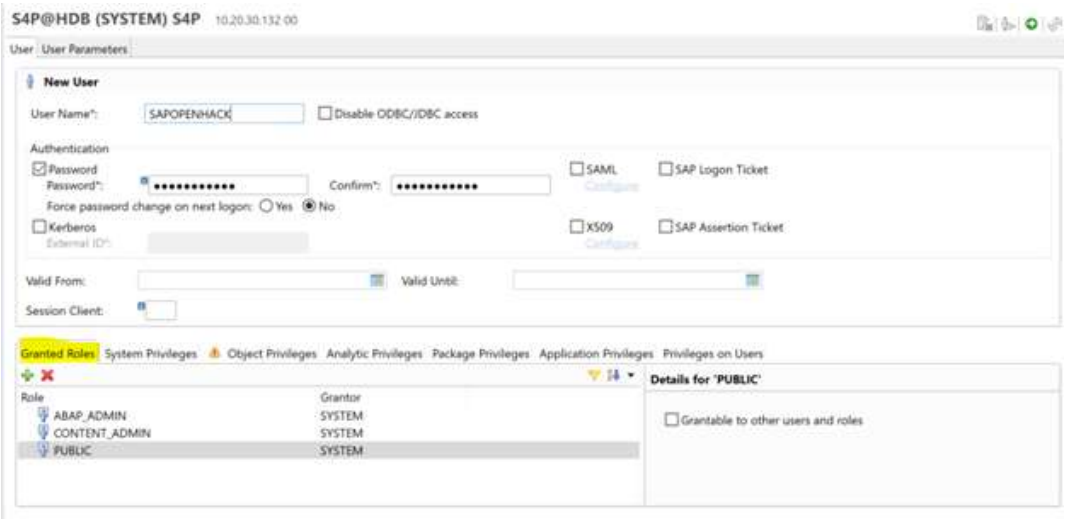


Create new user SAPOPENHACK

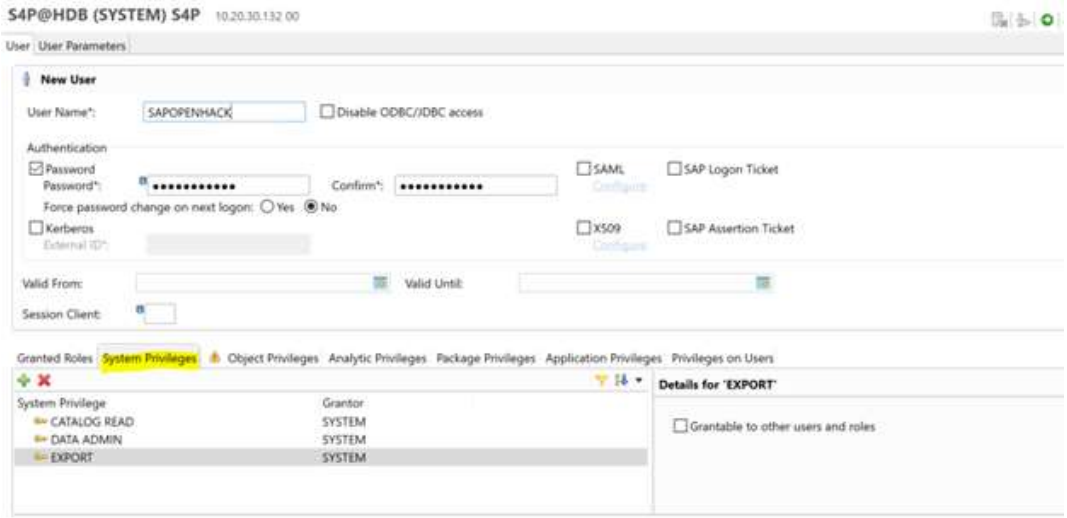


Enter "SAPOPENHACK" ID and Password --

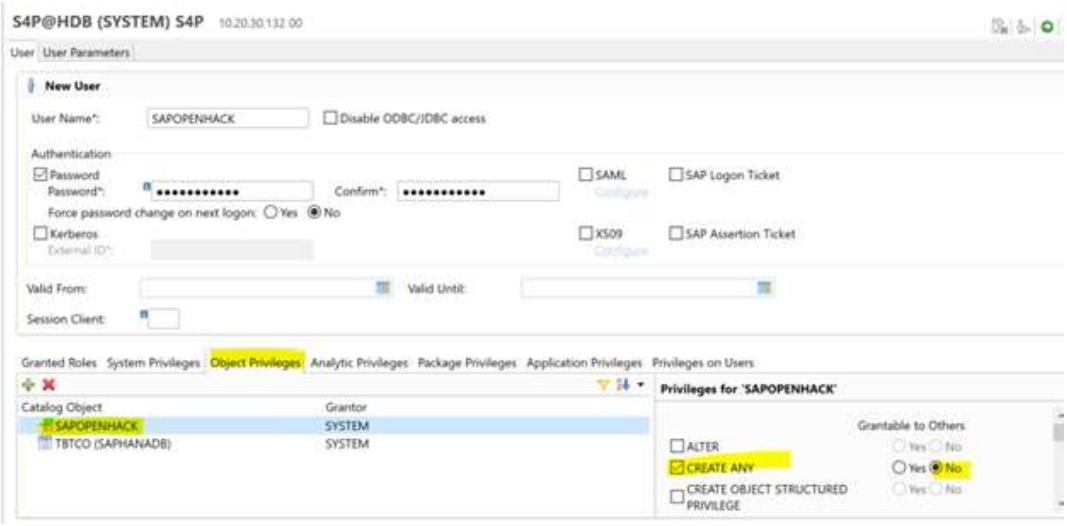
Add " ABAP admin" "content admin" public" roles

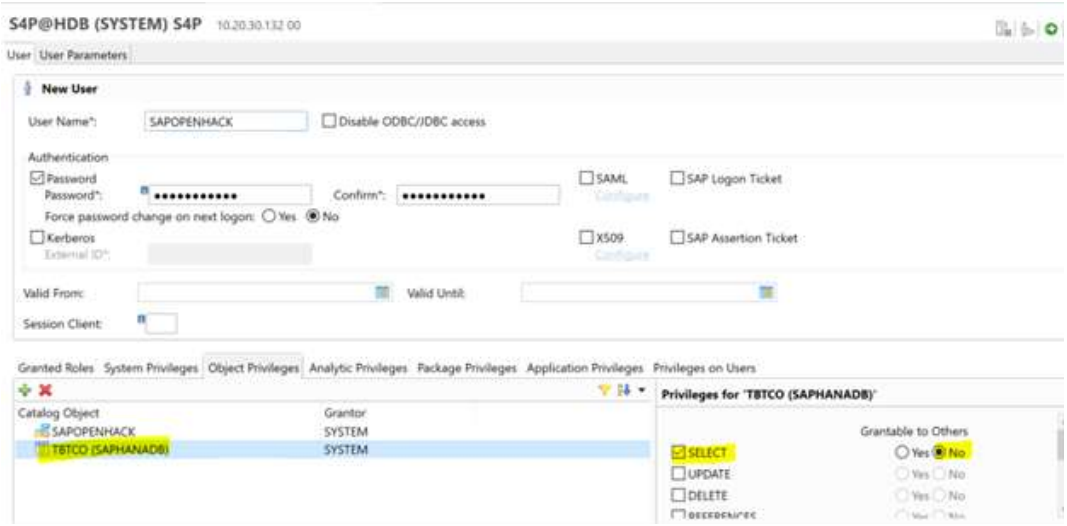


Add "catalog read", "data admin" and "export" system privileges ..

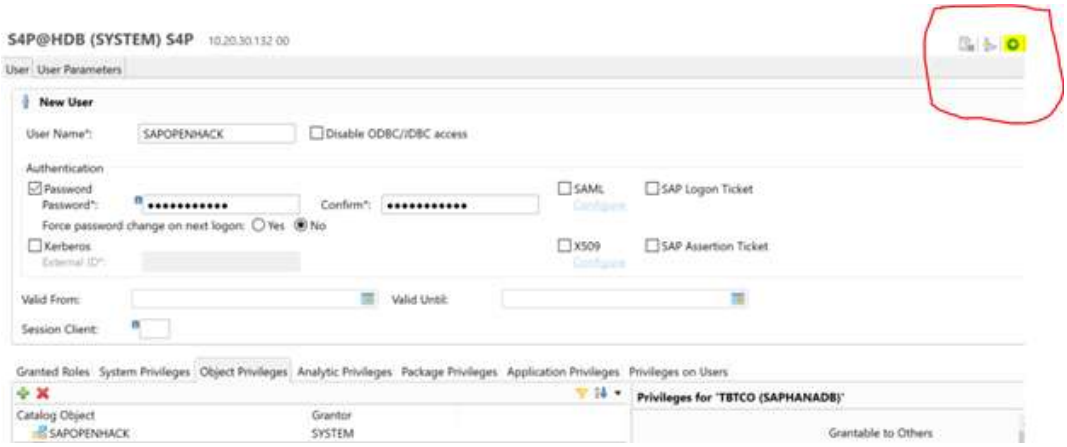


Add following object privileges --- create and select

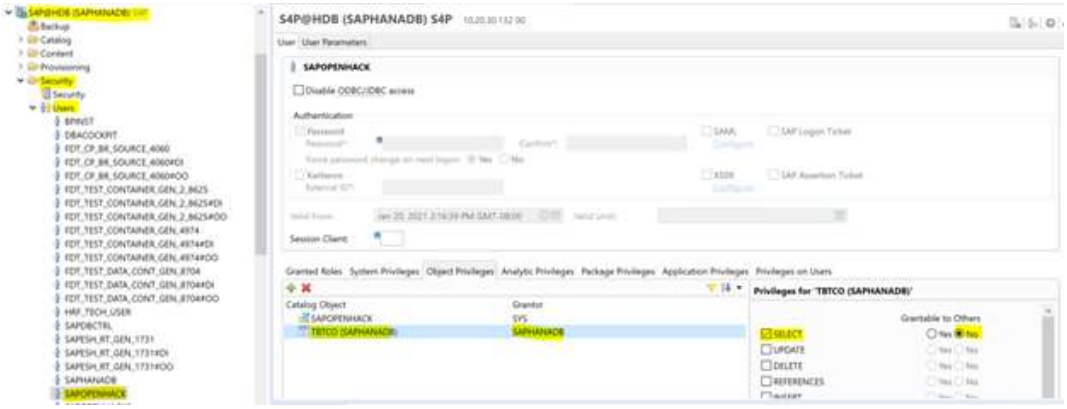




Save the configuration



When we update the “Object Privileges” with TBTCO and granter is SYSTEM it won’t save it and gives an error. So remove that object and login into S4P with SAPHANADB (User ID) and then goto security→Users-→SAPOPENHACK and add the object privileges with TBTCO.

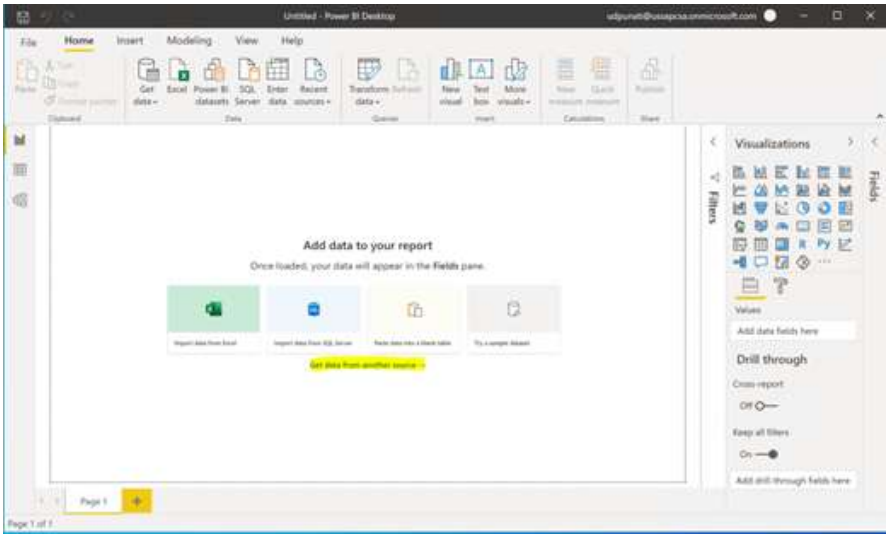


HANA configuration is complete … now Let's work on Power BI connection and report...

Setup the connection in Power BI desktop to SAP HANA Database:

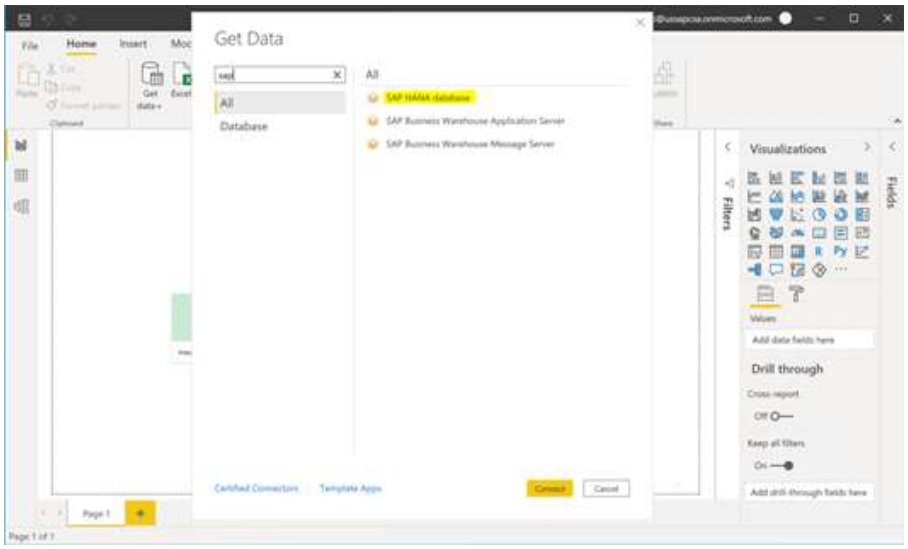
Install Power BI Desktop

Open Power BI desktop

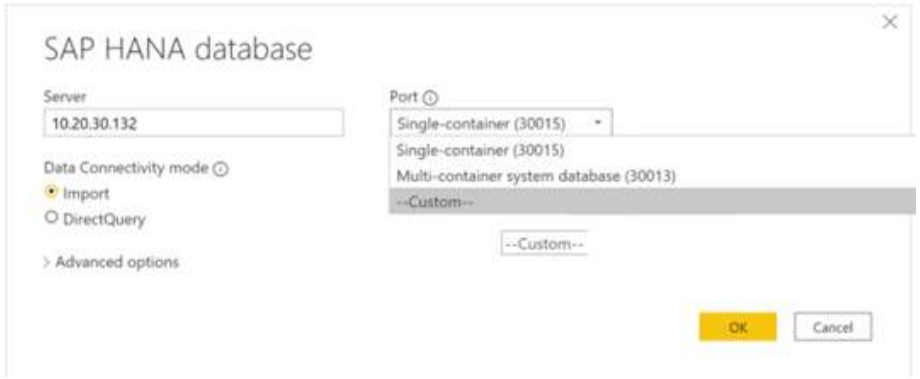


Click on “Get data from another source” and select “ Connect”

On following screen, type SAP Keyword



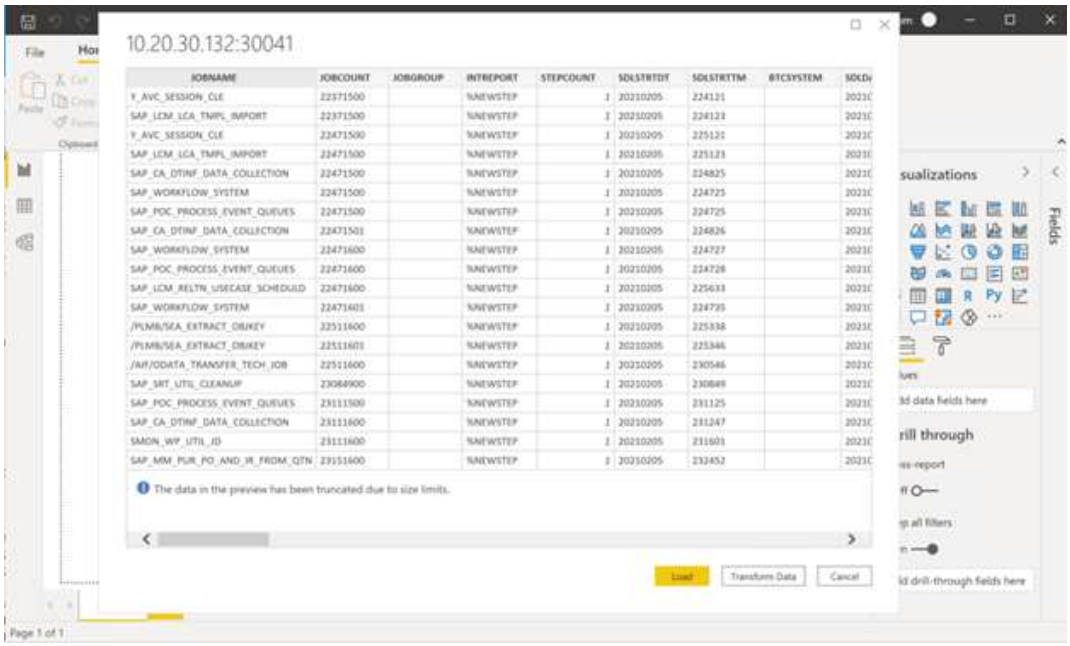
Enter SAP DB information on following screen



Enter port information as follows

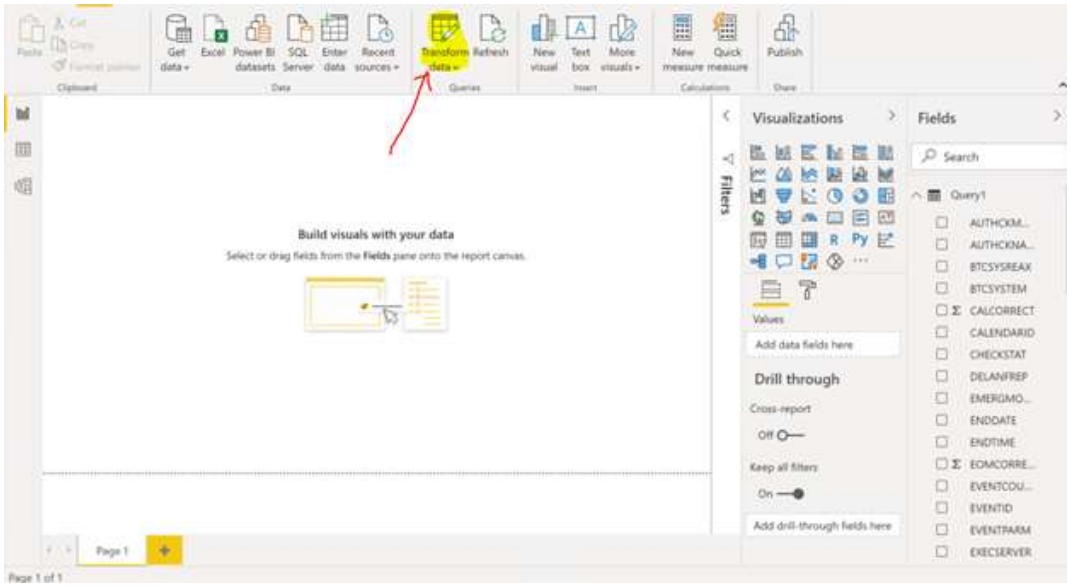
Select custom and SQL query as follows

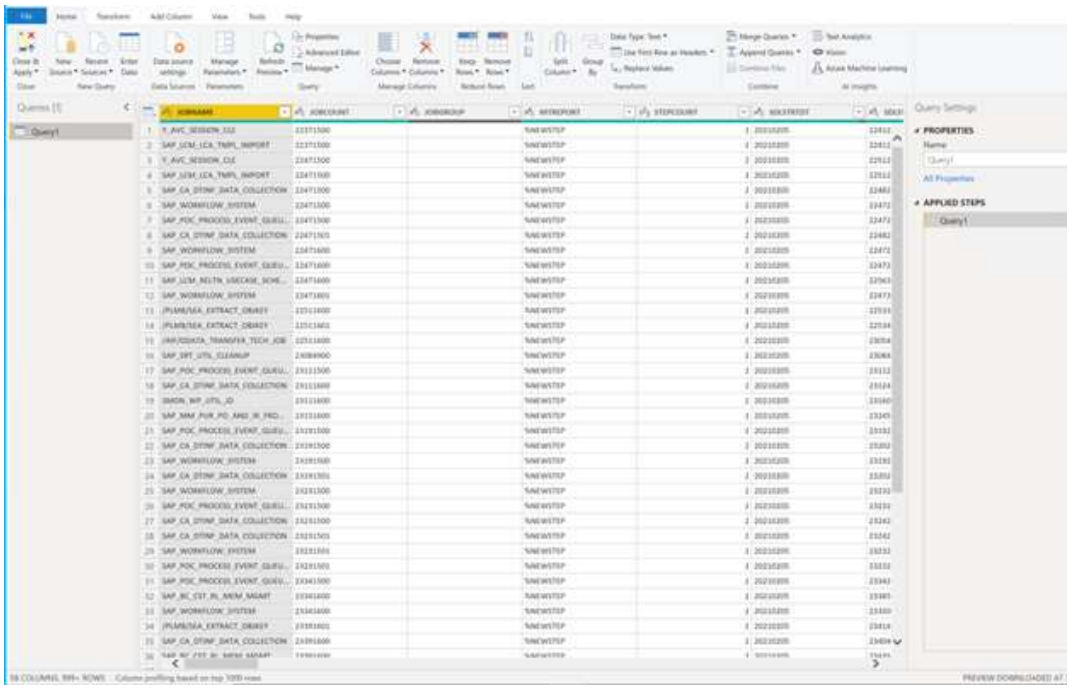
Will pop up with information about SAP table TBTCO as follows

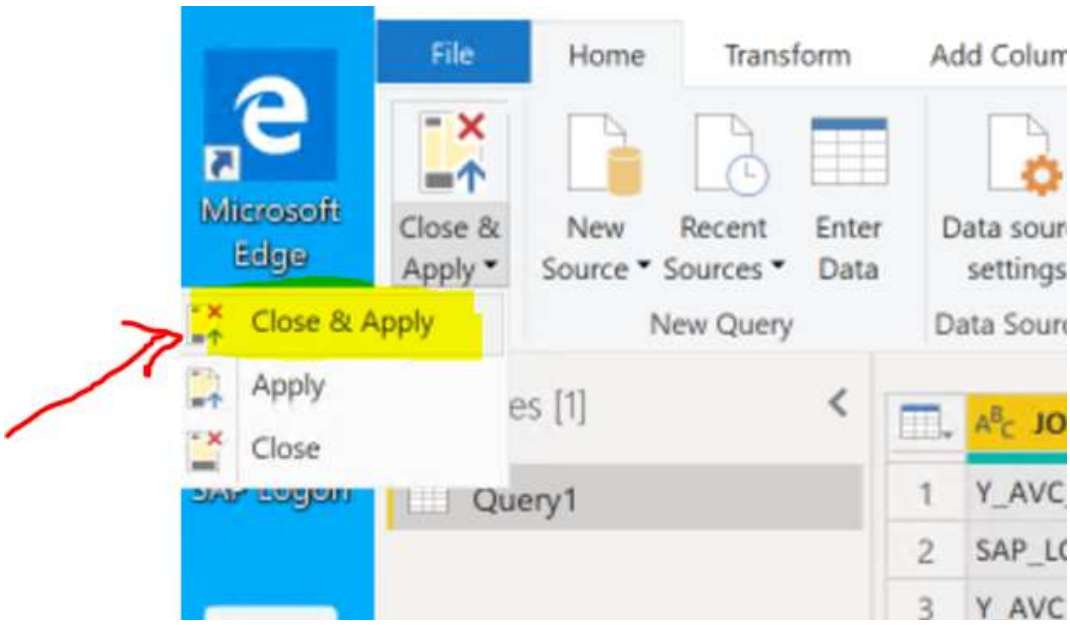


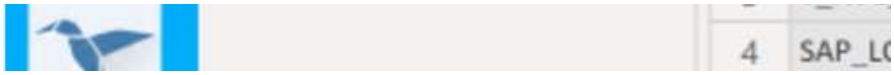
Select “Load” after the screen appears

Select "transform data " on opo up screen as shwon in following screen


Transform data
Build visuals with your data
Select or drag fields from the Fields pane onto the report canvas.
Visualizations
Fields
Filters
Drill through
Page 1

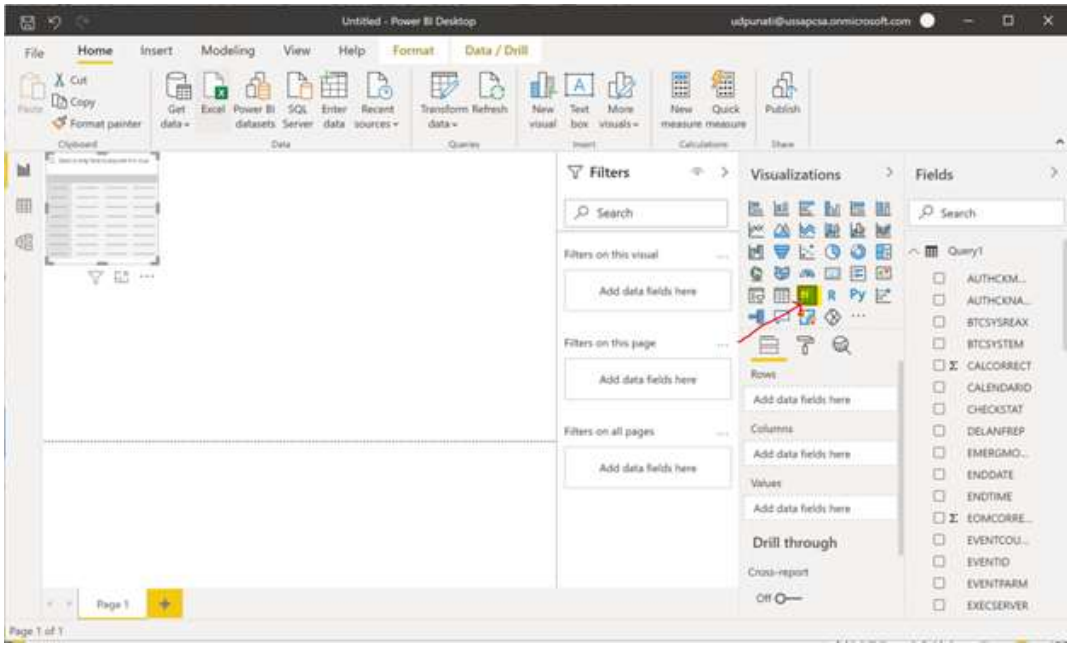



File
Home
Transform
Add Colum
Microsoft Edge
Close & Apply
New Source
Recent Sources
Enter Data
New Query
Close & Apply
Apply
Close
Query1



Creating visualization in Power BI using the SAP table TBTCO

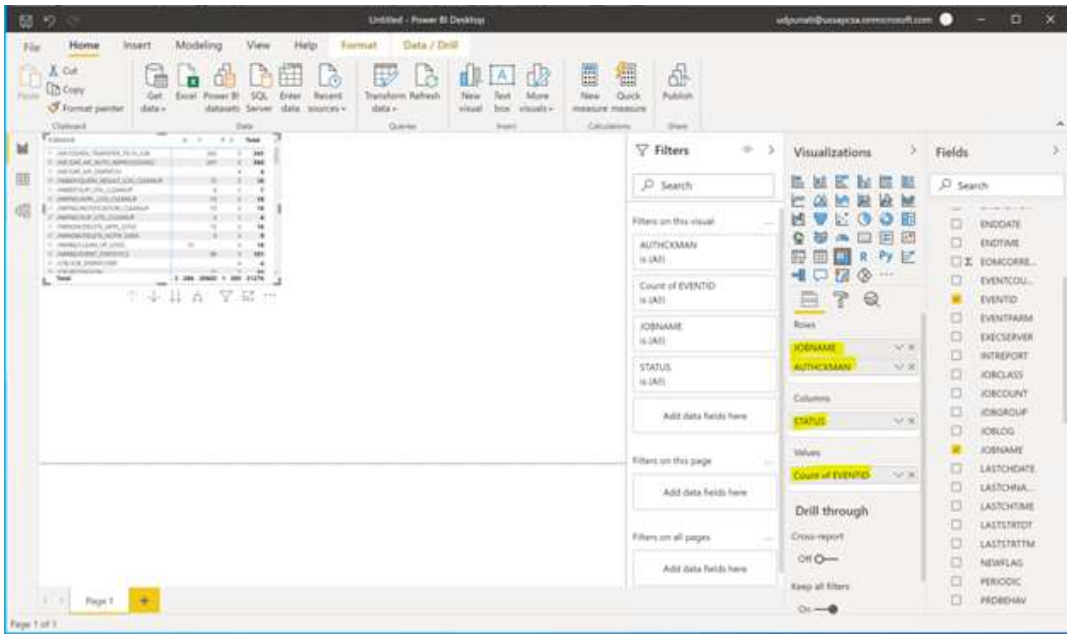
Create a Matrix.



Add fields “JOBNAME” and “AUTHCKMAN” in Rows

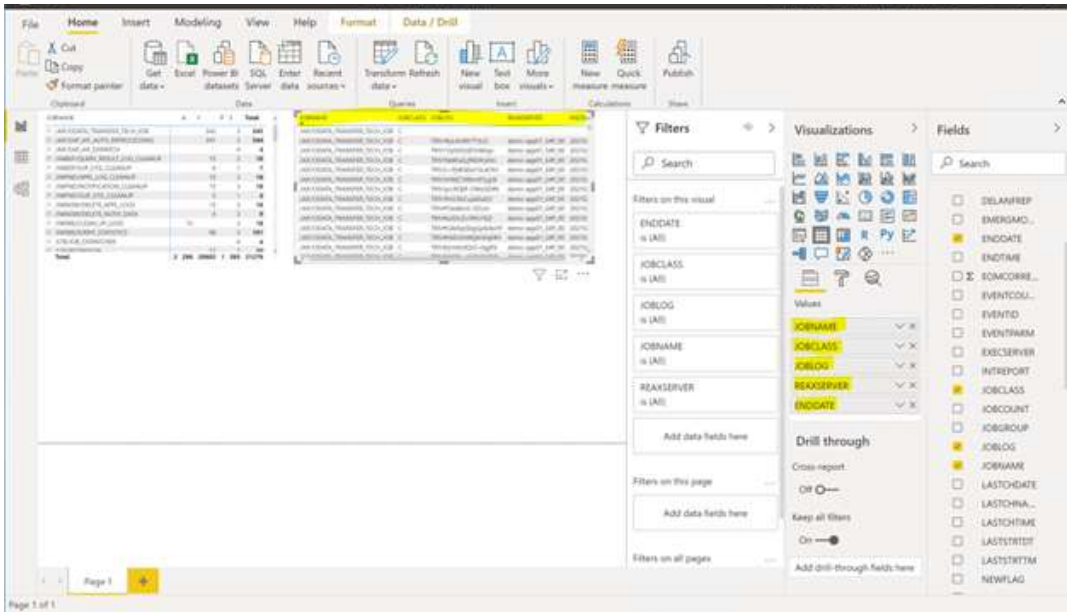
Add field “STATUS” in Columns

Add “EVENTID” in Values



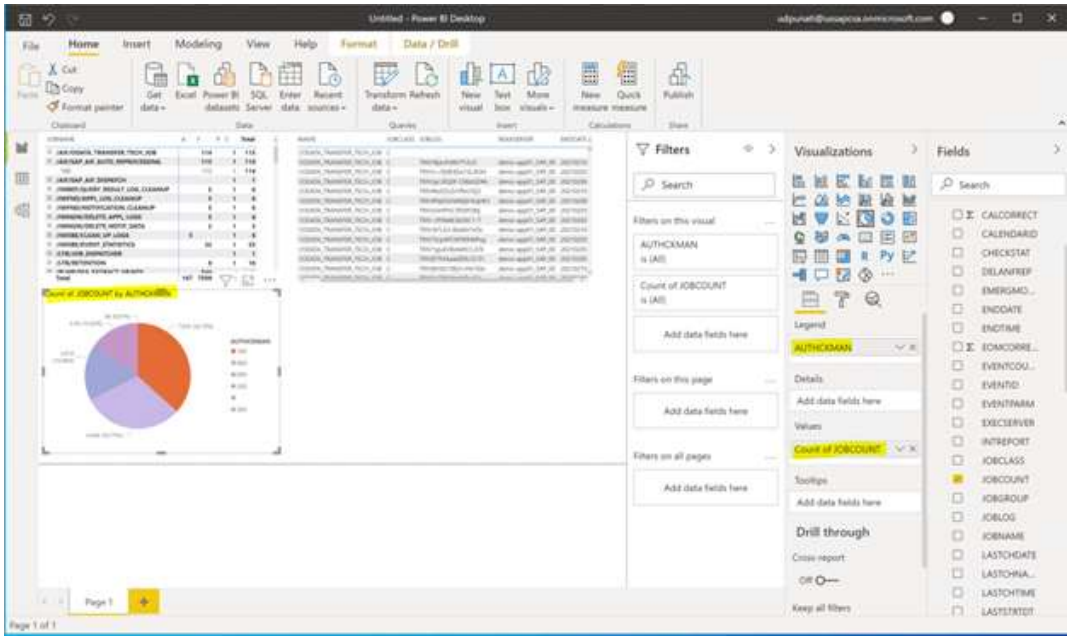
Create a new Table in the visualization

Drag and drop fields "JOBNAME", "JOBCLASS", "JOBLOG", "REAXSERVER" and "ENDDATE" under values



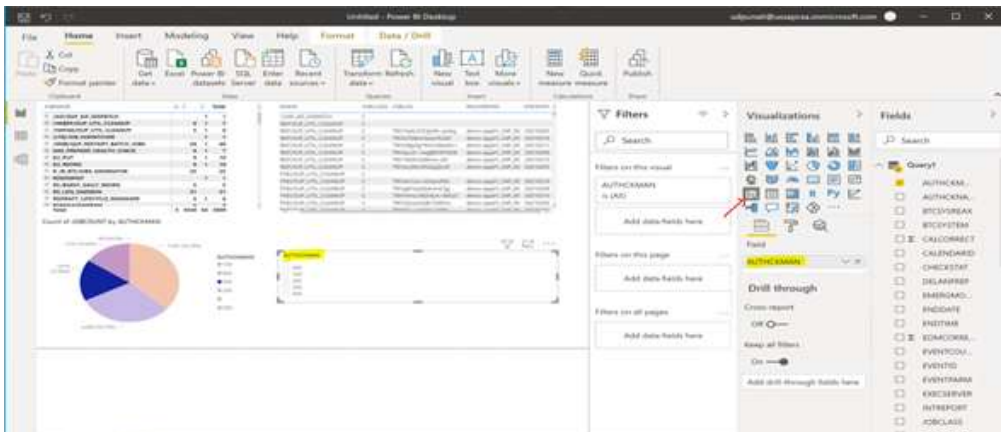
Create a Pie chart:

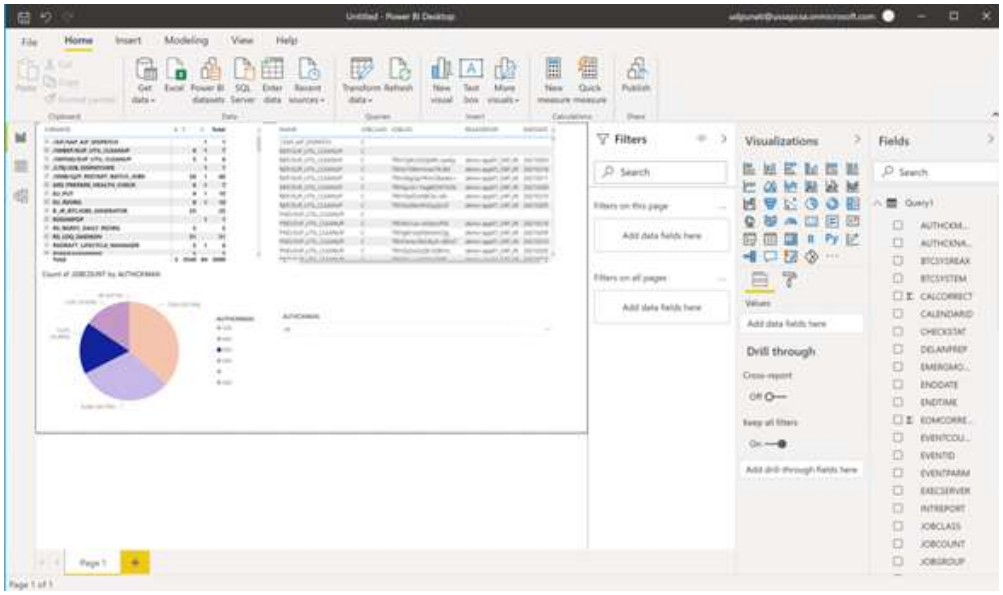
Drag and drop field “AUTHCKMAN” under Legend and field “JOBCOUNT” under Values (with count).



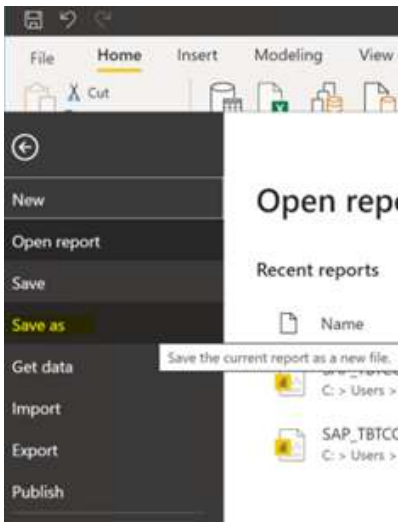
Create a Filter or Slicer

Drag and drop field “AUTHCKMAN” under Field.





Save the report



Once the report is saved need to publish to Power Apps