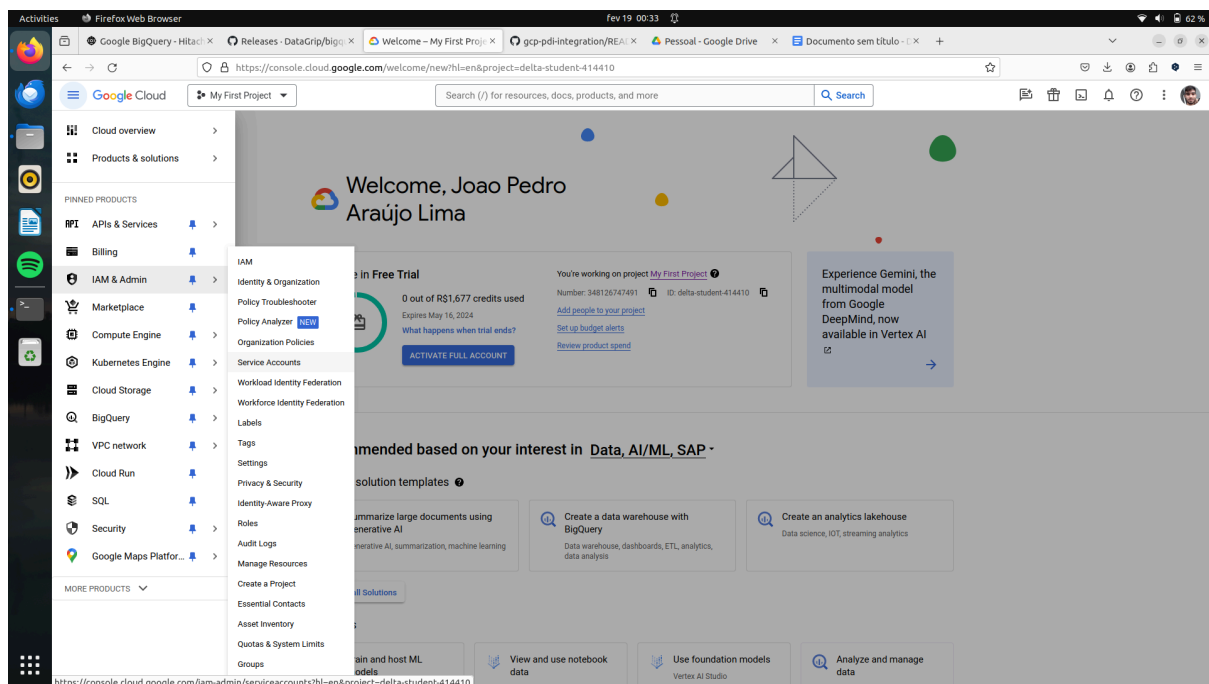


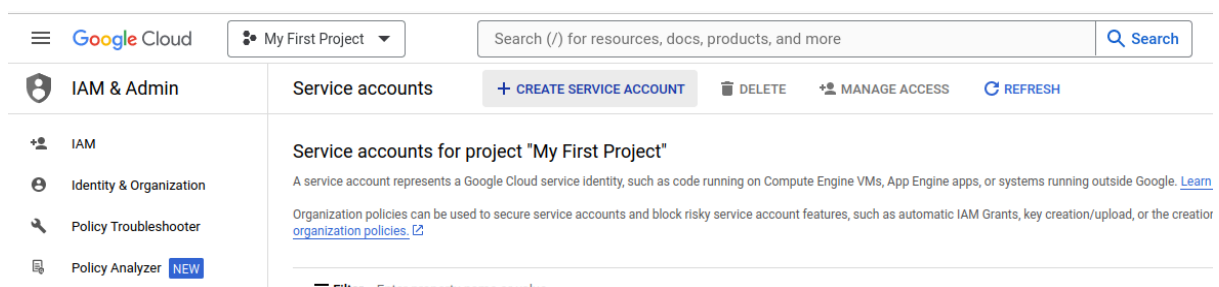
**Before you begin:** You must have a Google account and must create service account credentials in the form of a key file in JSON format to connect to Google BigQuery.

## How to create a Google Service Account .JSON credential?

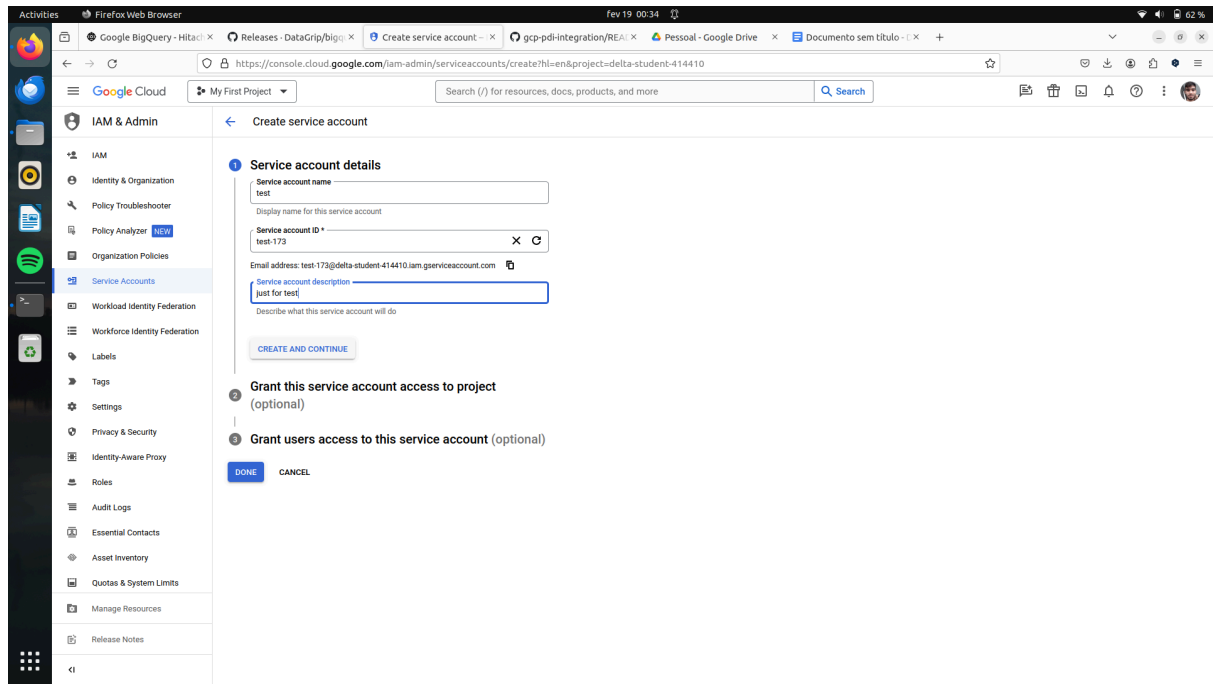
1. In Google cloud platform go to “IAM & ADMIN” -> “Service Account”.



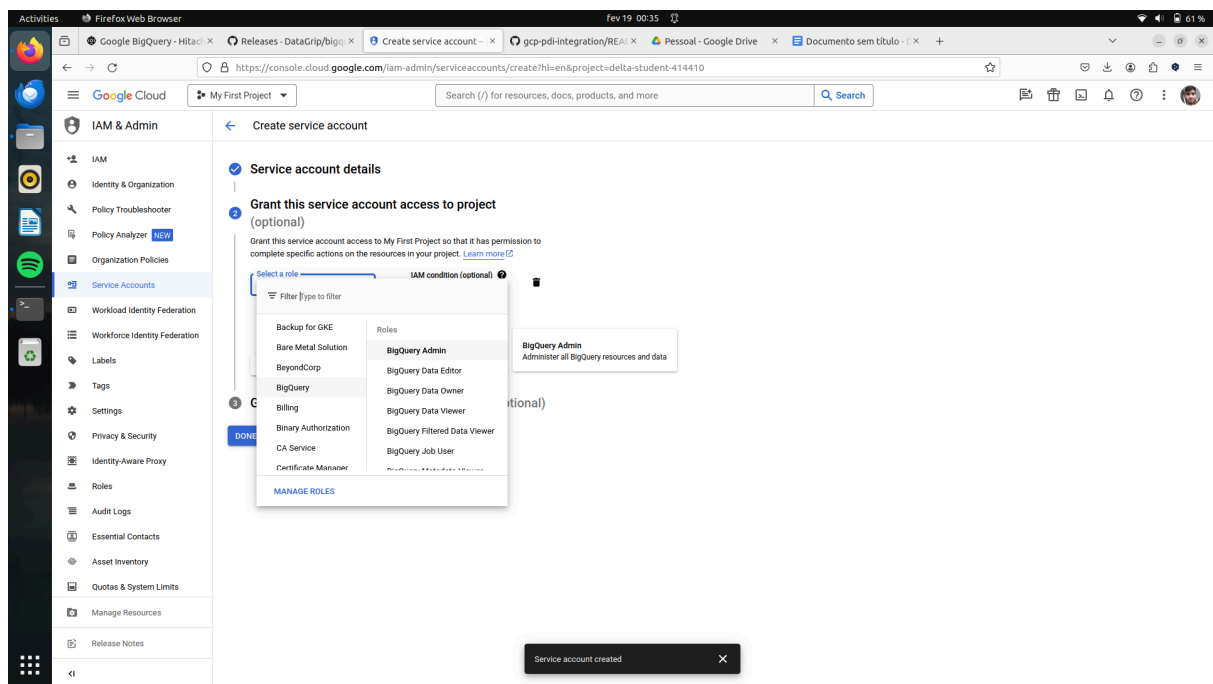
2. Then Click on “Create Service Account”.



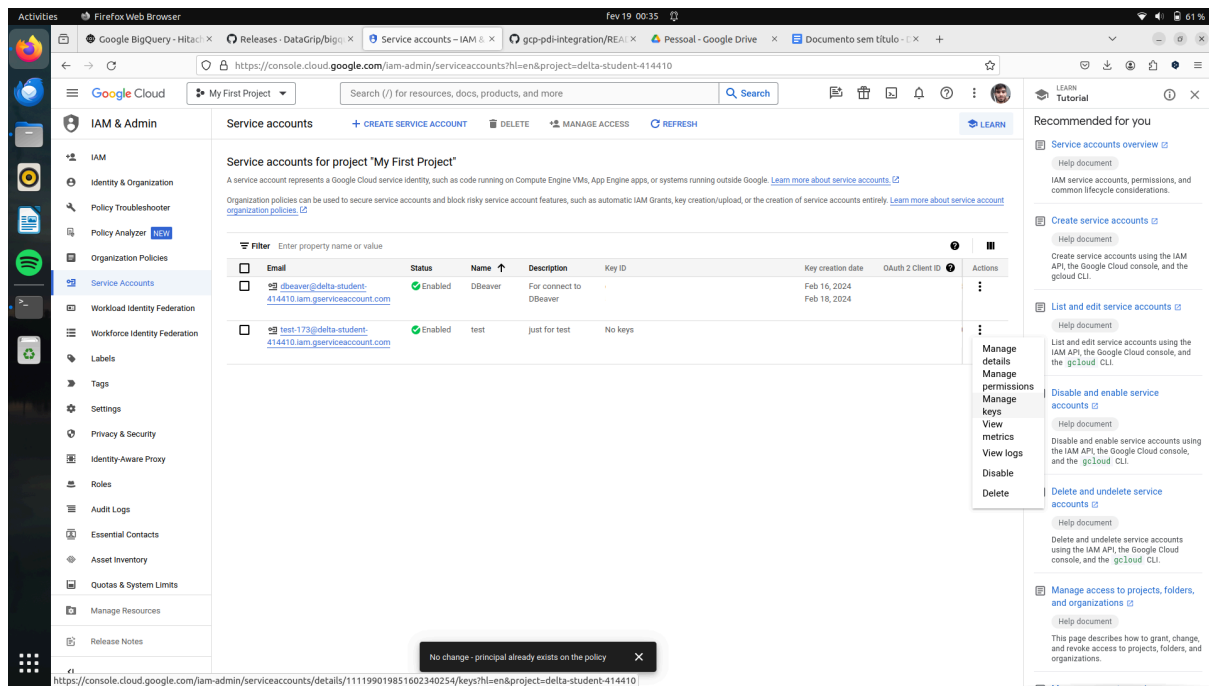
3. So give you a Service Account a name and a description then click in “CREATE AND CONTINUE”.



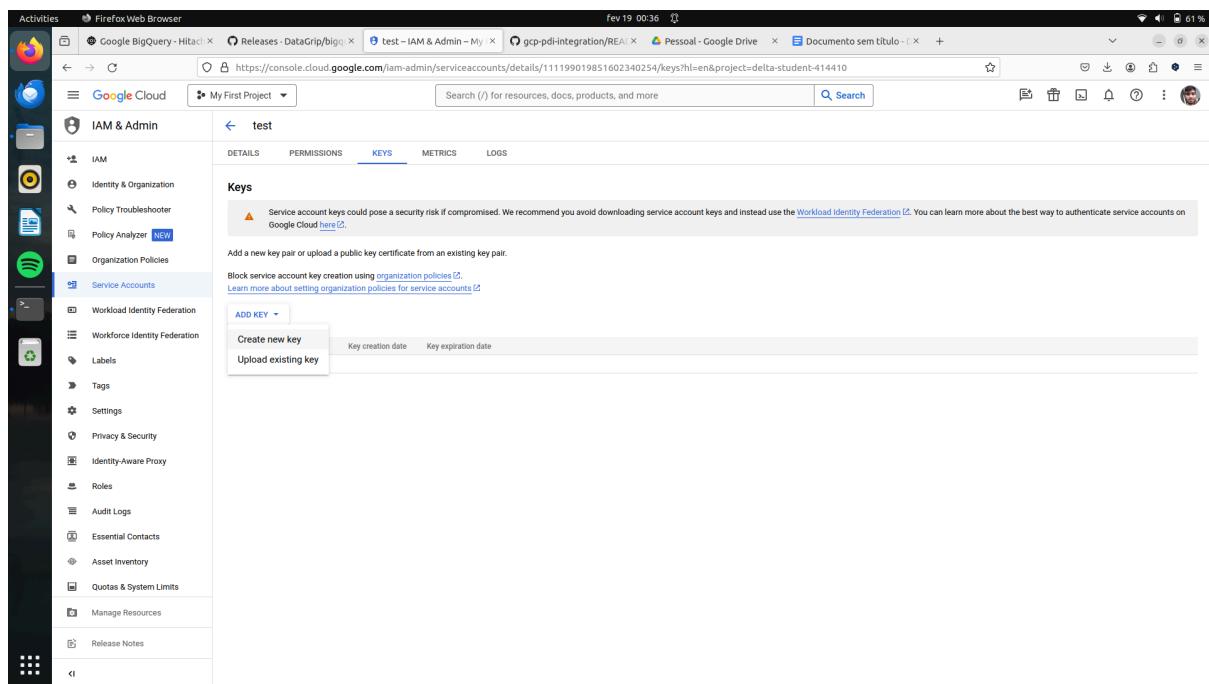
4. In “SELECT A ROLE” select BigQuery -> BigQuery Admin



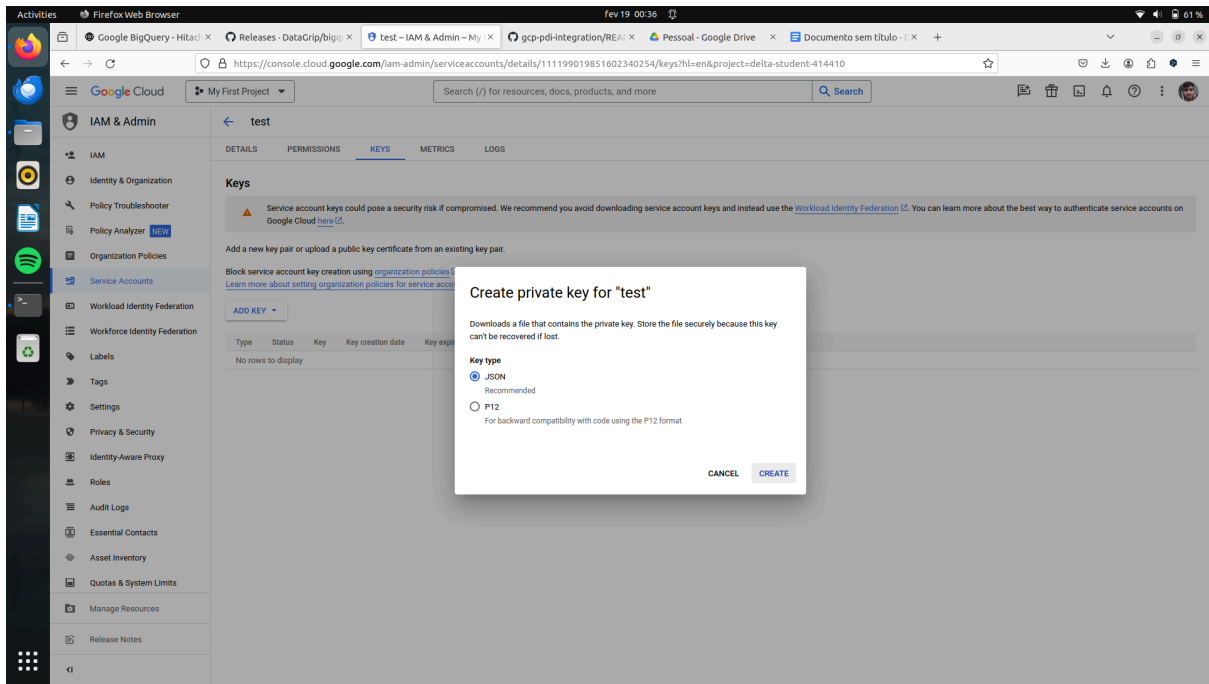
5. Then go back to the service Account. Then in “Actions” go to “Manage Keys”



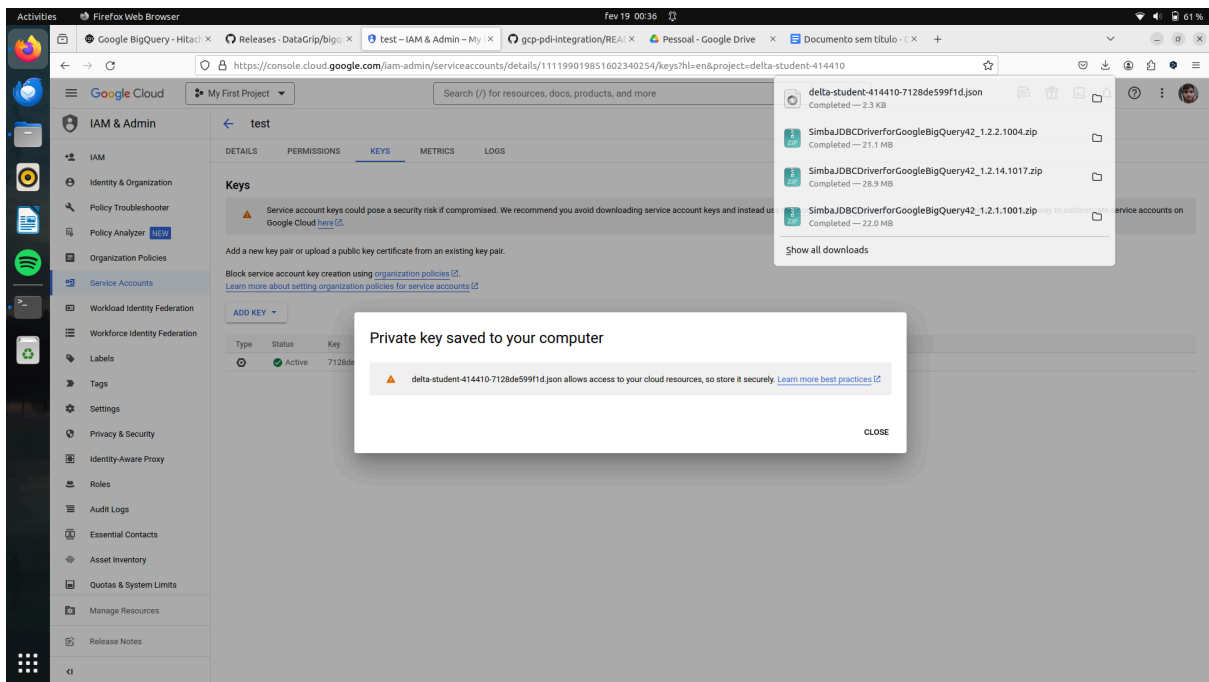
## 6. Click on “ADD KEY”-> ”Create New Key”



## 7. Select .JSON format and click in “CREATE”



8. All done!

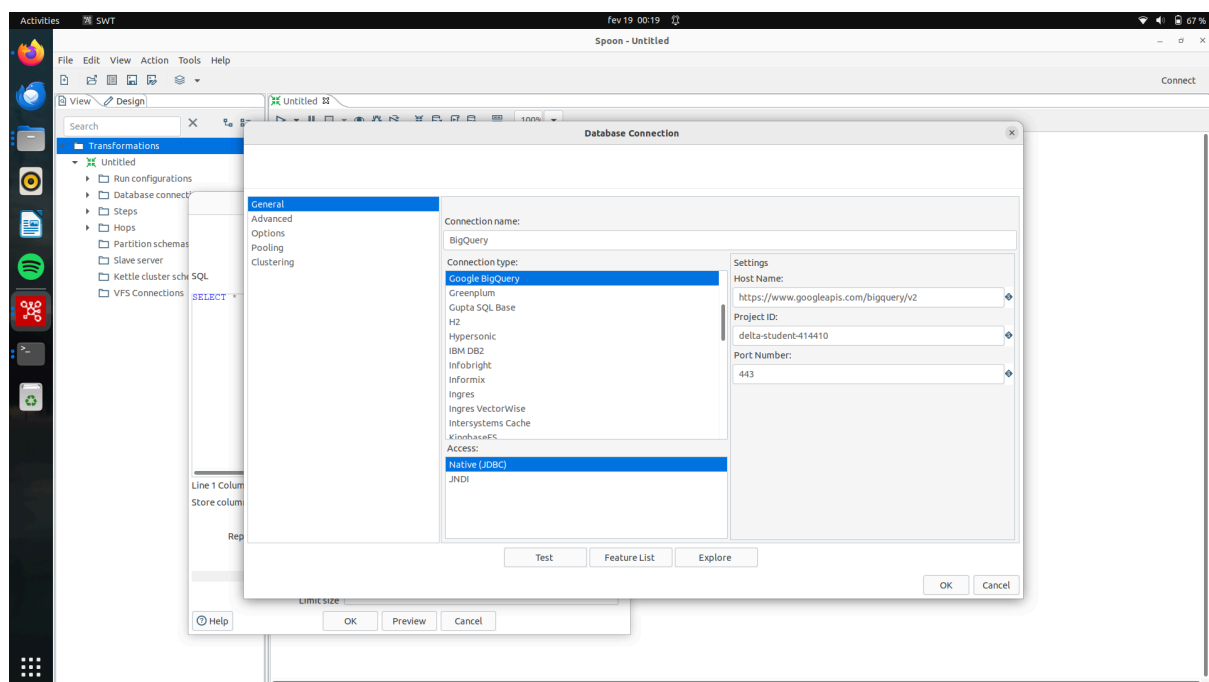


## How to install JDBC Drivers for Google BigQuery in Pentaho?

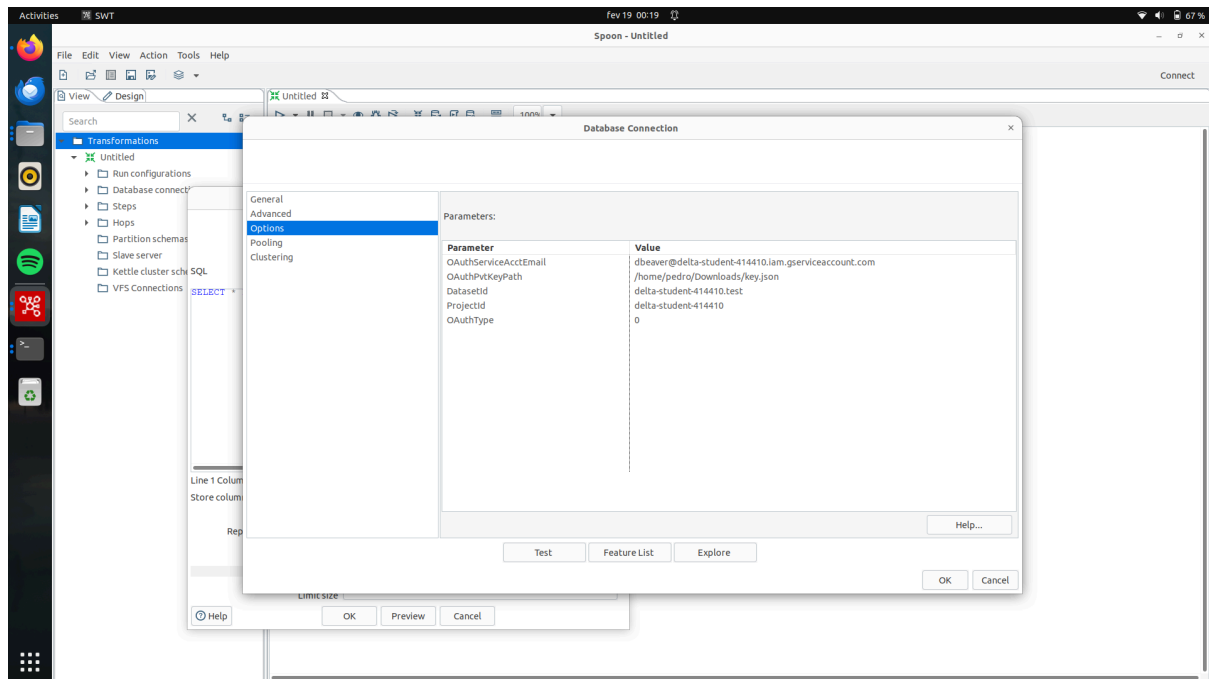
1. Download the repository file;
2. close the Pentaho app;
3. Copy all the .jar files of “gcp-pdi-integration /SimbaJDBCDriverfor GoogleBigQuery42\_1.2.2.1004” into “pdi-ce–9.4.0.0-343/data-integration/lib”;
4. All done!

## How to create a Google BigQuery connection in Pentaho?

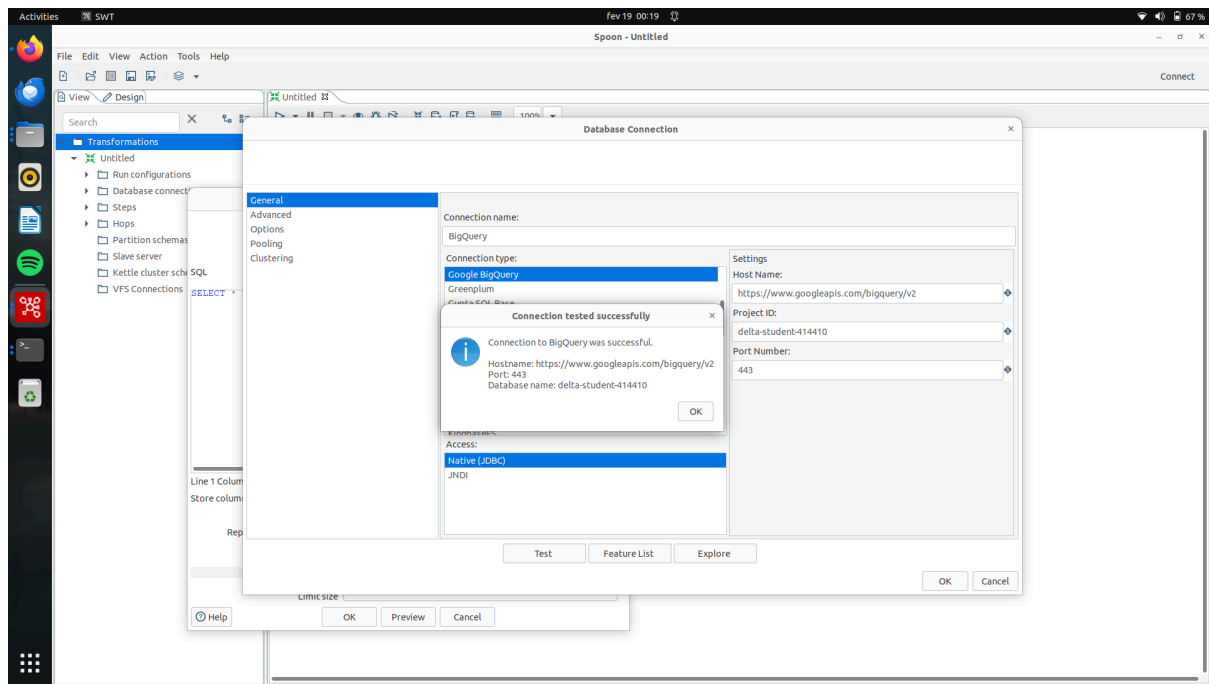
1. In the Database Connection dialog box, select General, then select Google BigQuery as the Database Type.
2. In the Settings area, enter the information for your Google BigQuery account.
  - The Host Name is the URL to Google's BigQuery web services API. For example,  
<https://www.googleapis.com/bigquery/v2>
  - The Project ID in the PDI client and the Database name in the User Console are identical.
  - The Port Number is 443.



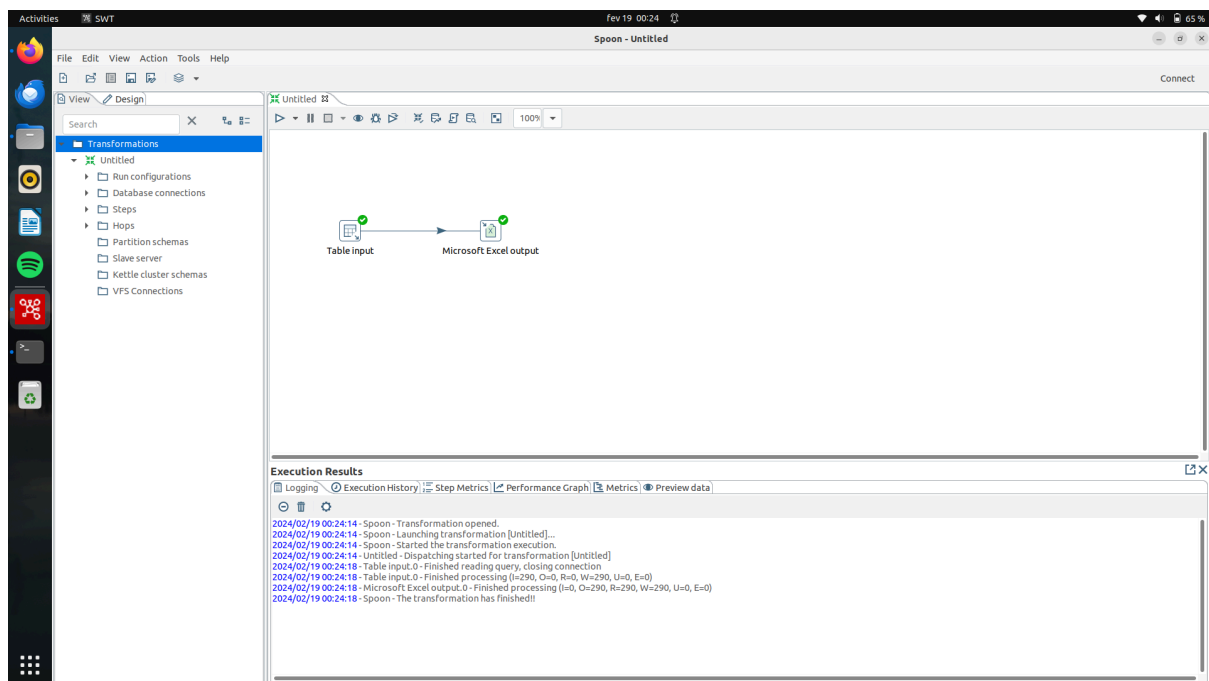
3. Click Options, then add the following parameters and values.
  - OAuthType = 0
  - OAuthServiceAcctEmail = Specify your service account email address (This data is available on the google big query service accounts page).
  - OAuthPvtKeyPath = Specify the path to your private key credential file (The .JSON file that you downloaded).
  - DatasetId = The dataset ID that you want to load in BigQuery
  - ProjectId = Your Project ID in google Big Query (This data is available on the BigQuery console page, just click on the projects tab (e.g. "My First Project")).



4. Click in "Test" to test the connection.



## 5. Running the transformation.



## 6. All done!