Dharma Devi 18th Hw

<https://docs.google.com/document/d/1PJWiYzPVfqeBOHMtDVzRvXmjlJfOH6pmK3FzKn0H1pc/edit?tab=t.0#heading=h.jmqg2hbag9e4>

Created new service account, new bucket,new cluster, set the value through code only.. I tried using advanced option didn’t worked.. tried through code giving specification

### **Set Up Databricks on GCP and Access GCS**

Service Account:

Object Details: ztest-bucket/Ztest/cars.csv

gs://ztest-bucket/Ztest/cars.csv

Service Account Used

<https://console.cloud.google.com/iam-admin/serviceaccounts/details/111922677369161872996?inv=1&invt=Abx_Yg&project=devi-gcp-460022>

Key ID: fa42a4c87d0bbe5af44d360cf423a83bc85ebdc9

Source File

# Databricks notebook source

spark.conf.set("spark.hadoop.fs.gs.auth.service.account.enable", "true")

spark.conf.set("spark.hadoop.fs.gs.auth.service.account.email", "[databricks-access2@devi-gcp-460022.iam.gserviceaccount.com](mailto:databricks-access2@devi-gcp-460022.iam.gserviceaccount.com)")

spark.conf.set("spark.hadoop.fs.gs.project.id", "devi-gcp-460022")

spark.conf.set("spark.hadoop.fs.gs.auth.service.account.private.key.id", "fa42a4c87d0bbe5af44d360cf423a83bc85ebdc9")

# 🔐 Replace this with your actual multi-line private key string (from the JSON)

spark.conf.set("spark.hadoop.fs.gs.auth.service.account.private.key", """-----BEGIN PRIVATE KEY-----

{

"type": "service\_account",

"project\_id": "devi-gcp-460022",

"private\_key\_id": "fa42a4c87d0bbe5af44d360cf423a83bc85ebdc9",

"private\_key": "-----BEGIN PRIVATE KEY-----\nMIIEvgIBADANBgkqhkiG9w0BAQEFAASCBKgwggSkAgEAAoIBAQDNfJx5uRdEyfpa\nYNJWe9eKSrNKxzdta4jOeZ7orDg9cmbq06+VFXrRZ+ggAcO1N7S4H+QzKWvh94H+\nZ2H8VcIHcOA/xFORgWMvbSd/tVGkVUnrLHx3WZpblf124inW5oOgIrP8DHJFcDxD\nwftpT3VPD+aeqQGwM3hIwOftmRZeDIFolRKGAci30Lrbsdn6b+9fsJbIqR+z0rVh\nsTFOeZ7fKfsqEcJ1gTsL/iJONkdFzE/uKlOhCuwUtasUYVaLSN/0o8esP6l5hMhB\n43klw58+kqzQMWYqXU6+nZQAAr5/zgByY5HPswn/lF6GMQ1JVlL/exFrksT/36To\nFxjDI8DPAgMBAAECggEAIgCPMfMnPwo/A4qG86mdcnRG88ZATTpgkm38lhq9Wamf\nDxeFM+Gwh4sulXFFTazQmjEoxTCC+grHN24rACK+rxWF/fdCLs8etv/Ua+T4g/1a\n9G/RjrxEdwg8P1pQOw+80xg6+SekFwpp5npoXDY6PqFuc22a6mmx6zQEjMPquBgE\neRq+Zm3p+h51kIxfYxOCWleeIxUhNpi8Ek6WhtdMnKkwUmo8VkpXWtw0esqFBuB3\ne7Ljnv72zoBNz9+MBcEBld7qJKSQkKEIVFoftddaEJXbn6yBRmBl4jX0gdq1CzK+\nDAzcwoECjCkZh7yZ9sZnIpEdKx0BEnmsjk6dJKcYlQKBgQD51EJs3XMwADxjYrN8\nB2iudJEDVitU3AYR21ocf+Xuj9FQwDGuGfRBMkueoRm3bTvRRWpU6wac1yZ4ihq8\nTxZTE34aGpZjgmsLxVvgixZwVZBpICI2Y/cWwSr1bDKNVuT0XiMgkBZpXGY5p/aT\nR8wom4wQRPYouuu+4VIhX27sFQKBgQDSj/ZbjcGcvcEJQKWDjjs2iP35AlrA4C5O\ncjlFMKRkMSKDTpvHt/1BrhVAhx31f2o1W3csYV+66QWor6jwA4qVHvv3EPdAlBG5\nDe9DJlSpTJsxmr1bKprCr+SA6Jo97uED5H9/6UbXKg1ZpOWnZ3OruAyc+70HjJ21\n8MmtUWfeUwKBgQCfQViqrywLcEsOi8+gg9SOSQ5b0yVCLhPMdEjoG/vF7HXhBPNm\naXMT0Gz2DPoovIBCMf7LbRrFBj2m31qVqdCwWp+rIkG142A7m66q398I8vJgoTRN\n+cF8Bt1Mn5FGGhtPT2cTDebLeTRNEq4TStRxGl7ZzCwi4K0A+/9v+Lbr1QKBgCVS\n8Yd/FD/Vfv9F31D3iFV9aQ+XtECWPH8ZTj+OhMVh1E1URNbdLV5UHl5G1S+sO0Zk\nBTbvt8lo/uDM6nRJHGqciGteLYXb+VxFNRFBHSa5dpUPadtcLPyvsyCKmrS5wFcx\nTMx+rFj9kko+qZrIAsAAqvO0x+grq9URbp5zXKcTAoGBAO3y7HaBNS6yAF7dEe+z\nN955G1aJcCI7ZdmwZSgpicoFrrcbmuosgwbwi5BrfP2sQ0MbmxPmF7tLEzYjydCm\n+4OOdTAWYpUqSoravjGoKBr364xTGXyDfnPVskjcERanGLJKnF/9tvc2CzMIj7wp\nA/gXXFCrVxf3ibWVzi2pWFeL\n-----END PRIVATE KEY-----\n",

"client\_email": "[databricks-access2@devi-gcp-460022.iam.gserviceaccount.com](mailto:databricks-access2@devi-gcp-460022.iam.gserviceaccount.com)",

"client\_id": "111922677369161872996",

"auth\_uri": "<https://accounts.google.com/o/oauth2/auth>",

"token\_uri": "<https://oauth2.googleapis.com/token>",

"auth\_provider\_x509\_cert\_url": "<https://www.googleapis.com/oauth2/v1/certs>",

"client\_x509\_cert\_url": "<https://www.googleapis.com/robot/v1/metadata/x509/databricks-access2%40devi-gcp-460022.iam.gserviceaccount.com>",

"universe\_domain": "googleapis.com"

}

-----END PRIVATE KEY-----""")

# COMMAND ----------

key\_path = "/dbfs/FileStore/gcp/devi-gcp-460022-fa42a4c87d0b.json"

# COMMAND ----------

spark.\_jsc.hadoopConfiguration().set("google.cloud.auth.service.account.enable", "true")

spark.\_jsc.hadoopConfiguration().set("google.cloud.auth.service.account.json.keyfile", key\_path)

# COMMAND ----------

key\_path = "/dbfs/FileStore/gcp/devi-gcp-460022-fa42a4c87d0b.json"

spark.\_jsc.hadoopConfiguration().set("google.cloud.auth.service.account.enable", "true")

spark.\_jsc.hadoopConfiguration().set("google.cloud.auth.service.account.json.keyfile", key\_path)

spark.\_jsc.hadoopConfiguration().set("fs.gs.impl", "com.google.cloud.hadoop.fs.gcs.GoogleHadoopFileSystem")

spark.\_jsc.hadoopConfiguration().set("fs.AbstractFileSystem.gs.impl", "com.google.cloud.hadoop.fs.gcs.GoogleHadoopFS")

# COMMAND ----------

%pip install gcsfs

# COMMAND ----------

# COMMAND ----------

dbutils.library.restartPython()

# COMMAND ----------

df = spark.read.format("csv") \

.option("header", "true") \

.option("inferSchema", "true") \

.load("gs://ztest-bucket/Ztest/cars.csv")

df.show()



