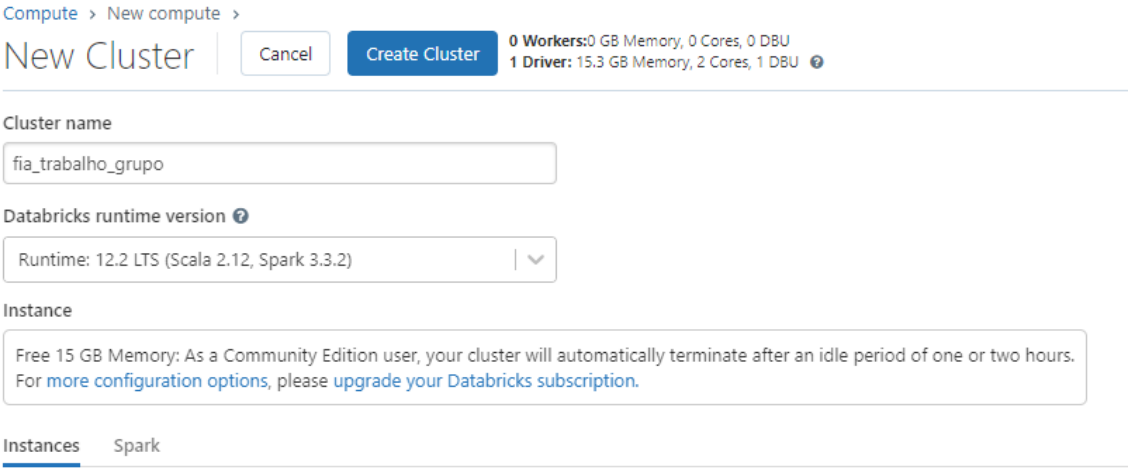
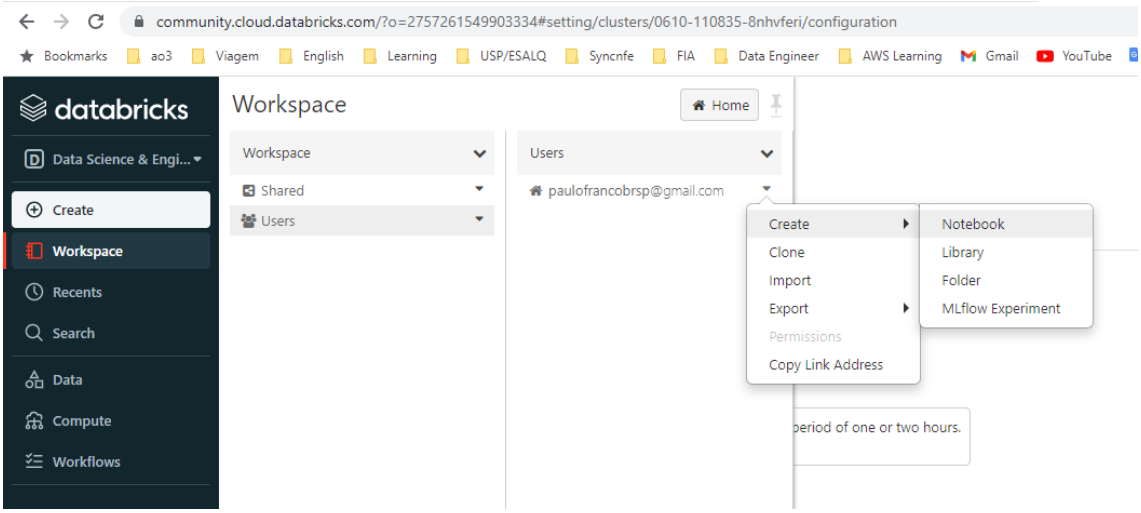
Passo 1- Criar cluster



Passo 2 – Montar bucket s3 para o Databricks

Executar somente após subida do Cluster

Crie um notebook no seu Workspace



Passo 3 – Implemente o código abaixo no Notebook (Notebook disponível no Repositório – pasta Notebooks)

```
# import libraries
import pyspark.sql.functions as f
import urllib

# Credentials to access data-lake-fia bucket on s3
ACCESS_KEY = "AKIAQJ2IVF6JBGLXOBEF"
SECRET_KEY = "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"
```

```
# Encoded secret key for security purposes
ENCODED_SECRET_KEY = urllib.parse.quote(SECRET_KEY, safe="")



# variables used to mount drive
AWS_S3_BUCKET = 'data-lake-fia'
MOUNT_NAME = '/mnt/data-lake-fia'
SOURCE_URL = f"s3n://{ACCESS_KEY}:{ENCODED_SECRET_KEY}@{AWS_S3_BUCKET}"
print(SOURCE_URL)

# Mount the drive
dbutils.fs.mount(SOURCE_URL, MOUNT_NAME)

# view content of s3 bucket
display(dbutils.fs.ls(MOUNT_NAME))

# Define location of parquet files (raw-data and context tier)
raw_tier_files = "/mnt/data-lake-fia/raw-data/datasus-imunizacao/"
context_tier_files = "/mnt/data-lake-fia/context/datasus_db/covid_dataset/"

#  create Dataframe to make analysis
df_covid = spark.read.parquet(context_tier_files)
df_covid.display()

# view schema
df_covid.printSchema()
```