

# Sqoop

1.

```
hadoop@34d13db60376:/$ sqoop list-tables \  
[> --connect jdbc:postgresql://172.17.0.4:5432/northwind \  
[> --username postgres -P  
Warning: /usr/lib/sqoop/../hbase does not exist! HBase imports will fail.  
Please set $HBASE_HOME to the root of your HBase installation.  
Warning: /usr/lib/sqoop/../hcatalog does not exist! HCatalog jobs will fail.  
Please set $HCAT_HOME to the root of your HCatalog installation.  
Warning: /usr/lib/sqoop/../accumulo does not exist! Accumulo imports will fail.  
Please set $ACCUMULO_HOME to the root of your Accumulo installation.  
Warning: /usr/lib/sqoop/../zookeeper does not exist! Accumulo imports will fail.  
Please set $ZOOKEEPER_HOME to the root of your Zookeeper installation.  
2024-08-11 19:43:00,272 INFO sqoop.Sqoop: Running Sqoop version: 1.4.7  
Enter password:  
2024-08-11 19:43:02,840 INFO manager.SqlManager: Using default fetchSize of 1000  
territories  
order_details  
employee_territories  
us_states  
customers  
orders  
employees  
shippers  
products  
categories  
suppliers  
region  
customer_demographics  
customer_customer_demo  
hadoop@34d13db60376:/$
```

2.

```
hadoop@34d13db60376:/$ sqoop eval \  
[> --connect jdbc:postgresql://172.17.0.4:5432/northwind \  
[> --username postgres \  
[> --P \  
[> --query "select company_name, country from customers where country = 'Argentina'"  
Warning: /usr/lib/sqoop/../hbase does not exist! HBase imports will fail.  
Please set $HBASE_HOME to the root of your HBase installation.  
Warning: /usr/lib/sqoop/../hcatalog does not exist! HCatalog jobs will fail.  
Please set $HCAT_HOME to the root of your HCatalog installation.  
Warning: /usr/lib/sqoop/../accumulo does not exist! Accumulo imports will fail.  
Please set $ACCUMULO_HOME to the root of your Accumulo installation.  
Warning: /usr/lib/sqoop/../zookeeper does not exist! Accumulo imports will fail.  
Please set $ZOOKEEPER_HOME to the root of your Zookeeper installation.  
2024-08-11 19:54:18,508 INFO sqoop.Sqoop: Running Sqoop version: 1.4.7  
Enter password:  
2024-08-11 19:54:21,017 INFO manager.SqlManager: Using default fetchSize of 1000  
-----  
| company_name          | country          |  
-----  
| Cactus Comidas para llevar | Argentina        |  
| Oc?ano Atl?ntico Ltda. | Argentina        |  
| Rancho grande          | Argentina        |  
-----  
(arg: 0)
```

3.

```
[hadoop@34d13db60376:/$ sqoop import \  
[> --connect jdbc:postgresql://172.17.0.4:5432/northwind \  
[> --username postgres \  
[> -table orders \  
[> --m 1 \  
[> --P \  
[> --target-dir /sqoop/ingest \  
[> --as-parquetfile \  
[> --delete-target-dir
```

4.

```
[hadoop@34d13db60376:/$ sqoop import \  
[> --connect jdbc:postgresql://172.17.0.4:5432/northwind \  
[> --username postgres \  
[> --P \  
[> --table products \  
[> --num-mappers 1 \  
[> --target-dir /sqoop/ingest \  
[> --as-parquetfile \  
[> --where "units_in_stock > 20" \  
[> --delete-target-dir
```

```
[>>> df = spark.read.parquet("hdfs://172.17.0.2:9000/sqoop/ingest/13ec4a2f-ae4d-41f2-809d-a9a8abac1054.parquet")  
[>>> df.select("product_name", "units_in_stock").show()
```

product_name	units_in_stock
Chai	39
Chef Anton's Cajun...	53
Grandma's Boysenb...	120
Mishi Kobe Niku	29
Ikura	31
Queso Cabrales	22
Queso Manchego La...	86
Konbu	24
Tofu	35
Genen Shouyu	39
Pavlova	29
Carnarvon Tigers	42
Teatime Chocolate...	25
Sir Rodney's Marm...	40
Gustaf's Knäckebröd	104
Tunnbröd	61
NuNuCa Nuß-Nougat...	76
Schoggi Schokolade	49
Rössle Sauerkraut	26
Geitost	112

only showing top 20 rows

```
>>>
```

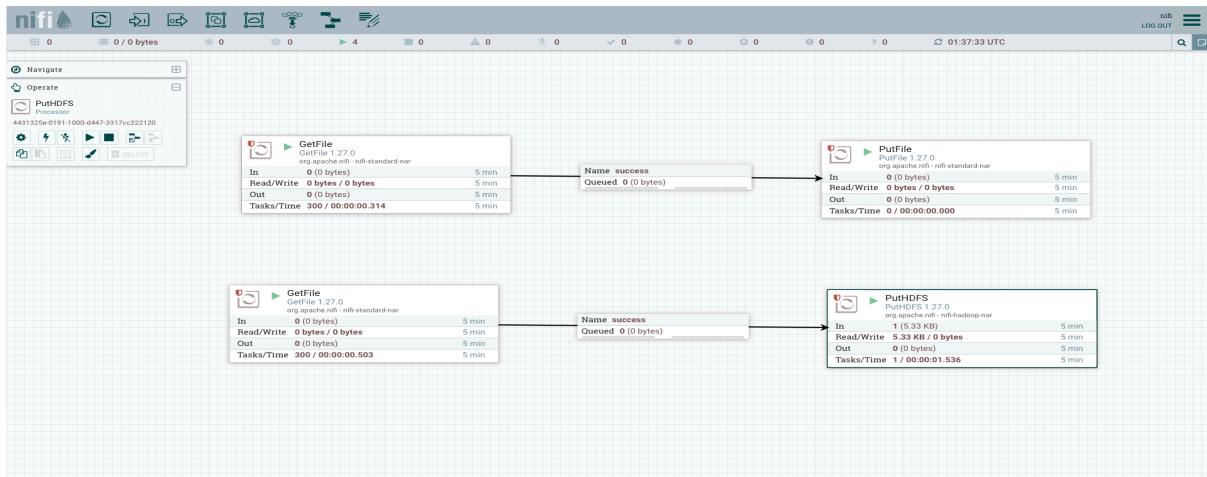
# NIFI

1

```
[nifi@6b602872fc6d:/opt/nifi/nifi-current/home/nifi$ ls
bucket  hadoop  ingest
[nifi@6b602872fc6d:/opt/nifi/nifi-current/home/nifi$ cd ingest
[nifi@6b602872fc6d:/opt/nifi/nifi-current/home/nifi/ingest$ ls
[nifi@6b602872fc6d:/opt/nifi/nifi-current/home/nifi/ingest$ cat > ingest.sh
mkdir -p /home/nifi/ingest
curl -o /home/nifi/ingest/starwars.csv https://github.com/fpineyro/homework-0/blob/master/starwar
s.csv
if [ -f /home/nifi/ingest/starwars.csv ]; then
else
echo "Archivo starwars.csv descargado exitosamente en /home/nifi/ingest."
else
echo "Error al descargar el archivo starwars.csv."
fi
^C
[nifi@6b602872fc6d:/opt/nifi/nifi-current/home/nifi/ingest$ ls
ingest.sh
[nifi@6b602872fc6d:/opt/nifi/nifi-current/home/nifi/ingest$
```

```
[nifi@6b602872fc6d:/opt/nifi/nifi-current/home/nifi/ingest$ ls
ingest.sh
[nifi@6b602872fc6d:/opt/nifi/nifi-current/home/nifi/ingest$ chmod 777 ingest.sh
[nifi@6b602872fc6d:/opt/nifi/nifi-current/home/nifi/ingest$ ls
ingest.sh
[nifi@6b602872fc6d:/opt/nifi/nifi-current/home/nifi/ingest$ ./ingest.sh
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total   Spent    Left  Speed
100 5462  100 5462    0     0  7638      0 --:--:-- --:--:-- --:--:-- 7639
Archivo starwars.csv descargado exitosamente en /home/nifi/ingest.
```

2



```
[hadoop@34d13db60376:/]$ hdfs dfs -ls /nifi
Found 1 items
-rw-r--r--  1 nifi supergroup      5462 2024-08-11 22:36 /nifi/starwars.csv
hadoop@34d13db60376:/]$
```

