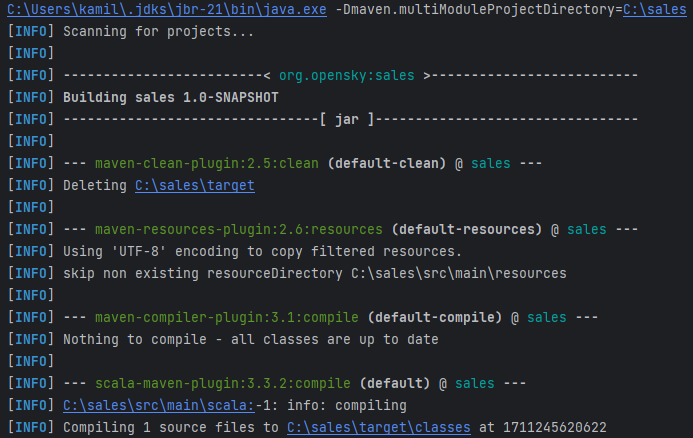
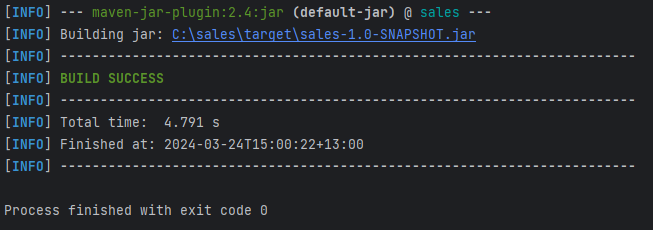
**Testing Scala Spark Sales App**

This will clean, compile and package the Scala application into sales-1.0-SNAPSHOT.jar:

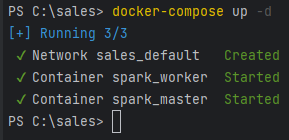
mvn clean package





This will start the Spark container:

docker-compose up -d

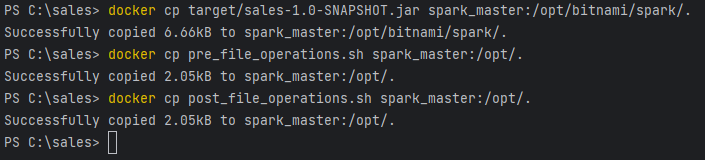


This will copy the required file files to the container:

docker cp target/sales-1.0-SNAPSHOT.jar spark\_master:/opt/bitnami/spark/.

docker cp pre\_file\_operations.sh spark\_master:/opt/.

docker cp post\_file\_operations.sh spark\_master:/opt/.



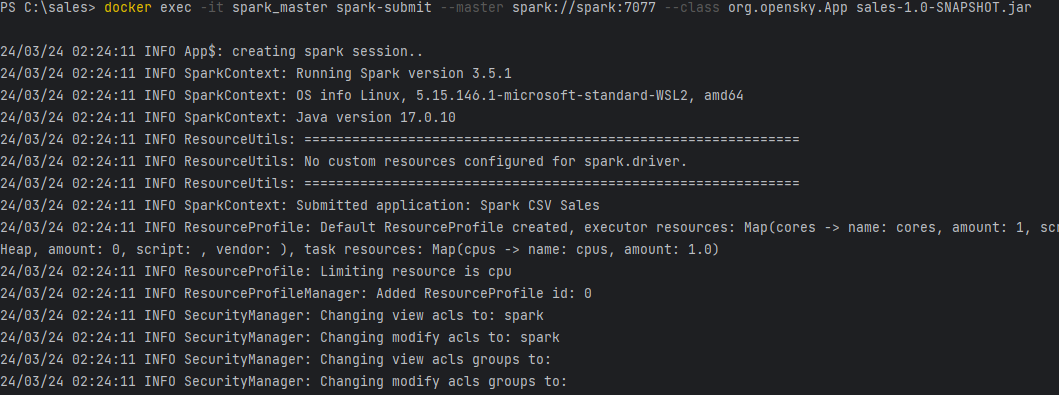
This will unzip the provided file:

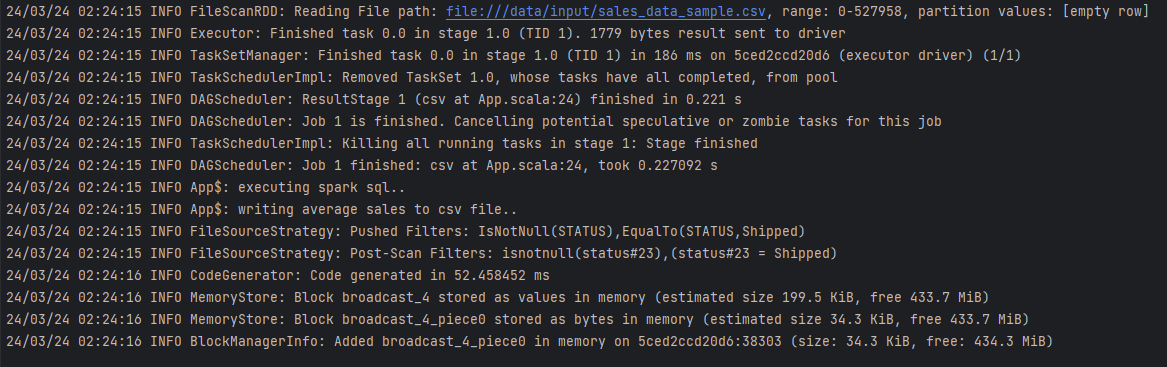
docker exec -it spark\_master /bin/sh -c /opt/pre\_file\_operations.sh

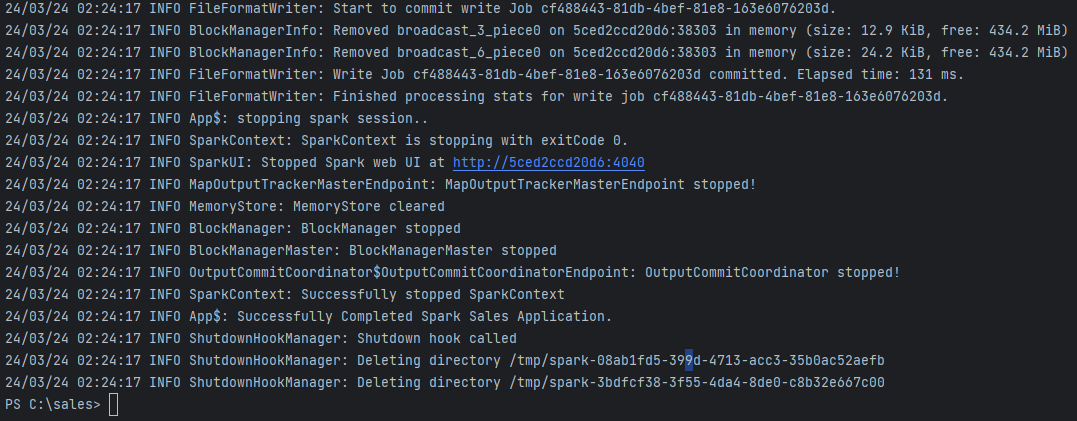


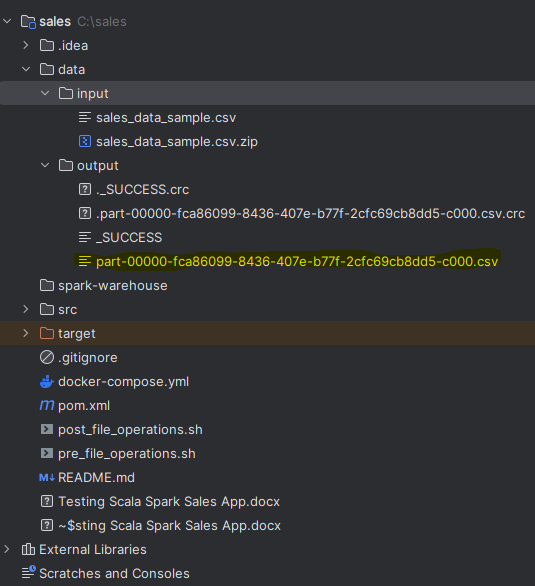
This will submit the job to Apache Spark:

docker exec -it spark\_master spark-submit --master spark://spark:7077 --class org.opensky.App sales-1.0-SNAPSHOT.jar









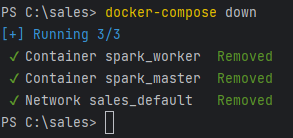
This will rename to output.csv and cleanup:

docker exec -it spark\_master /bin/sh -c /opt/post\_file\_operations.sh



This will stop the Spark container:

docker-compose down



**output.csv**

YEAR\_ID,PRODUCTLINE,AVERAGE\_SALES\_AMT  
2003,Classic Cars,4055.45  
2003,Motorcycles,3402.71  
2003,Planes,3211.68  
2003,Ships,3021.62  
2003,Trains,2600.08  
2003,Trucks and Buses,3809.12  
2003,Vintage Cars,2962.95  
2004,Classic Cars,4006.76  
2004,Motorcycles,3417.96  
2004,Planes,3123.68  
2004,Ships,2954.78  
2004,Trains,3095.6  
2004,Trucks and Buses,3689.2  
2004,Vintage Cars,3210.93  
2005,Classic Cars,4180.63  
2005,Motorcycles,3884.96  
2005,Planes,3450.16  
2005,Ships,3394.41  
2005,Trains,2828.08  
2005,Trucks and Buses,3553.44  
2005,Vintage Cars,3334.48