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Screenshots of Hadoop HDFS operations

**1. Start HDFS**

start-dfs.sh

jps

**2. Create Directories**

hdfs dfs -mkdir -p /retail/{raw,processed,outputs}

hdfs dfs -ls -R /retail

**3. Upload Sample CSVs**

hdfs dfs -put ~/retail\_data/customers.csv /retail/raw/

hdfs dfs -put ~/retail\_data/orders.csv /retail/raw/

hdfs dfs -put ~/retail\_data/products.csv /retail/raw/

Check upload:

hdfs dfs -ls /retail/raw

**4. View File Contents**

hdfs dfs -cat /retail/raw/customers.csv | head -n 5

hdfs dfs -cat /retail/raw/orders.csv | head -n 5

hdfs dfs -cat /retail/raw/products.csv | head -n 5

**5. Copy Files Back to Local**

hdfs dfs -get /retail/raw/customers.csv ./customers\_copy.csv

hdfs dfs -get /retail/raw/orders.csv ./orders\_copy.csv

hdfs dfs -get /retail/raw/products.csv ./products\_copy.csv

Verify locally:

ls -lh customers\_copy.csv orders\_copy.csv products\_copy.csv