ACD\_BDD2.3\_Session\_11\_Assignment\_1

[acadgild@localhost ~]$ jps

3120 SecondaryNameNode

2961 DataNode

2869 NameNode

3352 ResourceManager

3451 NodeManager

3820 Jps

[acadgild@localhost ~]$ sudo service mysqld start

[sudo] password for acadgild:

Starting mysqld: [ OK ]

[acadgild@localhost ~]$ mysql -u root -p

Enter password:

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 2

Server version: 5.1.73 Source distribution

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affiliates. Other names may be trademarks of their respective

owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database db1;

Query OK, 1 row affected (0.03 sec)

mysql> create table employee(id emp\_id int,emp\_name varchar(10),emp\_sal int,doj date);

ERROR 1046 (3D000): No database selected

mysql> use db1;

Database changed

mysql> create table employee(emp\_id int,emp\_name varchar(10),emp\_sal int,doj date);

Query OK, 0 rows affected (0.14 sec)

mysql> describe employee;

+----------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+-------------+------+-----+---------+-------+

| emp\_id | int(11) | YES | | NULL | |

| emp\_name | varchar(10) | YES | | NULL | |

| emp\_sal | int(11) | YES | | NULL | |

| doj | date | YES | | NULL | |

+----------+-------------+------+-----+---------+-------+

4 rows in set (0.02 sec)

mysql>

mysql> grant all on \*.\* to 'root@localhost' with grant option;

Query OK, 0 rows affected (0.00 sec)

mysql> flush privileges;

Query OK, 0 rows affected (0.05 sec)

mysql> commit;

Query OK, 0 rows affected (0.00 sec)

SQOOP EXPORT

[acadgild@localhost ~]$ sqoop export -m 1 --connect jdbc:mysql://localhost/db1 --username 'root' -P --table 'employee' --export-dir '/sqoop\_mysql' --input-fields-terminated-by ','

Warning: /usr/local/sqoop/../hcatalog does not exist! HCatalog jobs will fail.

Please set $HCAT\_HOME to the root of your HCatalog installation.

Warning: /usr/local/sqoop/../accumulo does not exist! Accumulo imports will fail.

Please set $ACCUMULO\_HOME to the root of your Accumulo installation.

Warning: /usr/local/sqoop/../zookeeper does not exist! Accumulo imports will fail.

Please set $ZOOKEEPER\_HOME to the root of your Zookeeper installation.

2017-10-08 11:28:04,039 INFO [main] sqoop.Sqoop: Running Sqoop version: 1.4.5

Enter password:

2017-10-08 11:28:16,904 INFO [main] manager.MySQLManager: Preparing to use a MySQL streaming resultset.

2017-10-08 11:28:16,909 INFO [main] tool.CodeGenTool: Beginning code generation

2017-10-08 11:28:27,307 INFO [main] manager.SqlManager: Executing SQL statement: SELECT t.\* FROM `employee` AS t LIMIT 1

2017-10-08 11:28:29,475 INFO [main] manager.SqlManager: Executing SQL statement: SELECT t.\* FROM `employee` AS t LIMIT 1

2017-10-08 11:28:29,905 INFO [main] orm.CompilationManager: HADOOP\_MAPRED\_HOME is /usr/local/hadoop-2.6.0

Note: /tmp/sqoop-acadgild/compile/4bcf97c35b10f3e8362cc26441e08740/employee.java uses or overrides a deprecated API.

Note: Recompile with -Xlint:deprecation for details.

2017-10-08 11:29:51,699 INFO [main] orm.CompilationManager: Writing jar file: /tmp/sqoop-acadgild/compile/4bcf97c35b10f3e8362cc26441e08740/employee.jar

2017-10-08 11:29:52,863 INFO [main] mapreduce.ExportJobBase: Beginning export of employee

SLF4J: Class path contains multiple SLF4J bindings.

SLF4J: Found binding in [jar:file:/usr/local/hbase/lib/slf4j-log4j12-1.6.4.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: Found binding in [jar:file:/usr/local/hadoop-2.6.0/share/hadoop/common/lib/slf4j-log4j12-1.7.5.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: See http://www.slf4j.org/codes.html#multiple\_bindings for an explanation.

2017-10-08 11:30:05,482 WARN [main] util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable

2017-10-08 11:30:06,524 INFO [main] Configuration.deprecation: mapred.jar is deprecated. Instead, use mapreduce.job.jar

2017-10-08 11:32:46,033 INFO [main] mapreduce.JobSubmitter: Submitting tokens for job: job\_1507439393342\_0001

2017-10-08 11:33:23,222 INFO [main] impl.YarnClientImpl: Submitted application application\_1507439393342\_0001 to ResourceManager at /0.0.0.0:8032

2017-10-08 11:33:40,317 INFO [main] mapreduce.Job: The url to track the job: http://http://localhost:8088/proxy/application\_1507439393342\_0001/

2017-10-08 11:33:40,469 INFO [main] mapreduce.Job: Running job: job\_1507439393342\_0001

2017-10-08 11:42:54,425 INFO [main] mapreduce.Job: Job job\_1507439393342\_0001 running in uber mode : false

2017-10-08 11:42:54,998 INFO [main] mapreduce.Job: map 0% reduce 0%

2017-10-08 11:47:07,850 INFO [main] mapreduce.Job: map 100% reduce 0%

2017-10-08 11:47:21,941 INFO [main] mapreduce.Job: Job job\_1507439393342\_0001 completed successfully

2017-10-08 11:47:28,528 ERROR [main] sqoop.Sqoop: Got exception running Sqoop: java.lang.IllegalArgumentException: No enum constant org.apache.hadoop.mapreduce.JobCounter.MB\_MILLIS\_MAPS

mysql> select \* from employee;

+--------+----------+---------+------------+

| emp\_id | emp\_name | emp\_sal | doj |

+--------+----------+---------+------------+

| 5 | HADOOP | 50000 | 2017-10-07 |

| 6 | SPARK | 40000 | 2017-10-06 |

| 1 | PIG | 20000 | 2017-09-29 |

| 4 | HBASE | 800000 | 2017-09-06 |

| 2 | HIVE | 600000 | 2017-08-08 |

| 3 | OOZIE | 567890 | 2017-08-07 |

+--------+----------+---------+------------+

6 rows in set (0.02 sec)

mysql> insert into employee values(7,'SQOOP',3000000,'2017-10-08');

Query OK, 1 row affected (0.00 sec)

mysql> select \* from employee;

+--------+----------+---------+------------+

| emp\_id | emp\_name | emp\_sal | doj |

+--------+----------+---------+------------+

| 5 | HADOOP | 50000 | 2017-10-07 |

| 6 | SPARK | 40000 | 2017-10-06 |

| 1 | PIG | 20000 | 2017-09-29 |

| 4 | HBASE | 800000 | 2017-09-06 |

| 2 | HIVE | 600000 | 2017-08-08 |

| 3 | OOZIE | 567890 | 2017-08-07 |

| 7 | SQOOP | 3000000 | 2017-10-08 |

+--------+----------+---------+------------+

7 rows in set (0.01 sec)

SQOOP IMPORT

[acadgild@localhost ~]$ sqoop import --connect jdbc:mysql://localhost/db1 --username 'root' -P --table 'employee' --target-dir '/sqoop\_export' -m 1

Warning: /usr/local/sqoop/../hcatalog does not exist! HCatalog jobs will fail.

Please set $HCAT\_HOME to the root of your HCatalog installation.

Warning: /usr/local/sqoop/../accumulo does not exist! Accumulo imports will fail.

Please set $ACCUMULO\_HOME to the root of your Accumulo installation.

Warning: /usr/local/sqoop/../zookeeper does not exist! Accumulo imports will fail.

Please set $ZOOKEEPER\_HOME to the root of your Zookeeper installation.

2017-10-08 12:13:40,131 INFO [main] mapreduce.JobSubmitter: Submitting tokens for job: job\_1507439393342\_0002

2017-10-08 12:14:01,226 INFO [main] impl.YarnClientImpl: Submitted application application\_1507439393342\_0002 to ResourceManager at /0.0.0.0:8032

2017-10-08 12:14:12,602 INFO [main] mapreduce.Job: The url to track the job: http://http://localhost:8088/proxy/application\_1507439393342\_0002/

2017-10-08 12:14:12,857 INFO [main] mapreduce.Job: Running job: job\_1507439393342\_0002

2017-10-08 12:21:25,516 INFO [main] mapreduce.Job: Job job\_1507439393342\_0002 running in uber mode : false

2017-10-08 12:21:26,327 INFO [main] mapreduce.Job: map 0% reduce 0%

2017-10-08 12:28:18,283 INFO [main] mapreduce.Job: map 100% reduce 0%

2017-10-08 12:28:42,707 INFO [main] mapreduce.Job: Job job\_1507439393342\_0002 completed successfully

2017-10-08 12:28:53,698 ERROR [main] tool.ImportTool: Imported Failed: No enum constant org.apache.hadoop.mapreduce.JobCounter.MB\_MILLIS\_MAPS

[acadgild@localhost ~]$

[acadgild@localhost ~]$ hadoop fs -ls /sqoop\_export

17/10/08 12:32:35 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable

Found 2 items

-rw-r--r-- 1 acadgild supergroup 0 2017-10-08 12:28 /sqoop\_export/\_SUCCESS

-rw-r--r-- 1 acadgild supergroup 178 2017-10-08 12:28 /sqoop\_export/part-m-00000

[acadgild@localhost ~]$ hadoop fs -cat /sqoop\_export/part\*

17/10/08 12:35:55 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable

5,HADOOP,50000,2017-10-07

6,SPARK,40000,2017-10-06

1,PIG,20000,2017-09-29

4,HBASE,800000,2017-09-06

2,HIVE,600000,2017-08-08

3,OOZIE,567890,2017-08-07

7,SQOOP,3000000,2017-10-08