

Problem Statement

Task 1

Use Sqoop tool to export data present in SQOOPOUT folder made while demo of Import table

Command used-:

```
sqoop import --connect jdbc:mysql://localhost/simplidb --table Person --username root --password Root@123 --target-dir /sqoopout -m 1
```

-m specify number of mapper, by default sqoop uses 4 mapper

--target-dir specify where to store the import

--password specify the password to connect to mysql database

--username specify the user to connect to mysql database

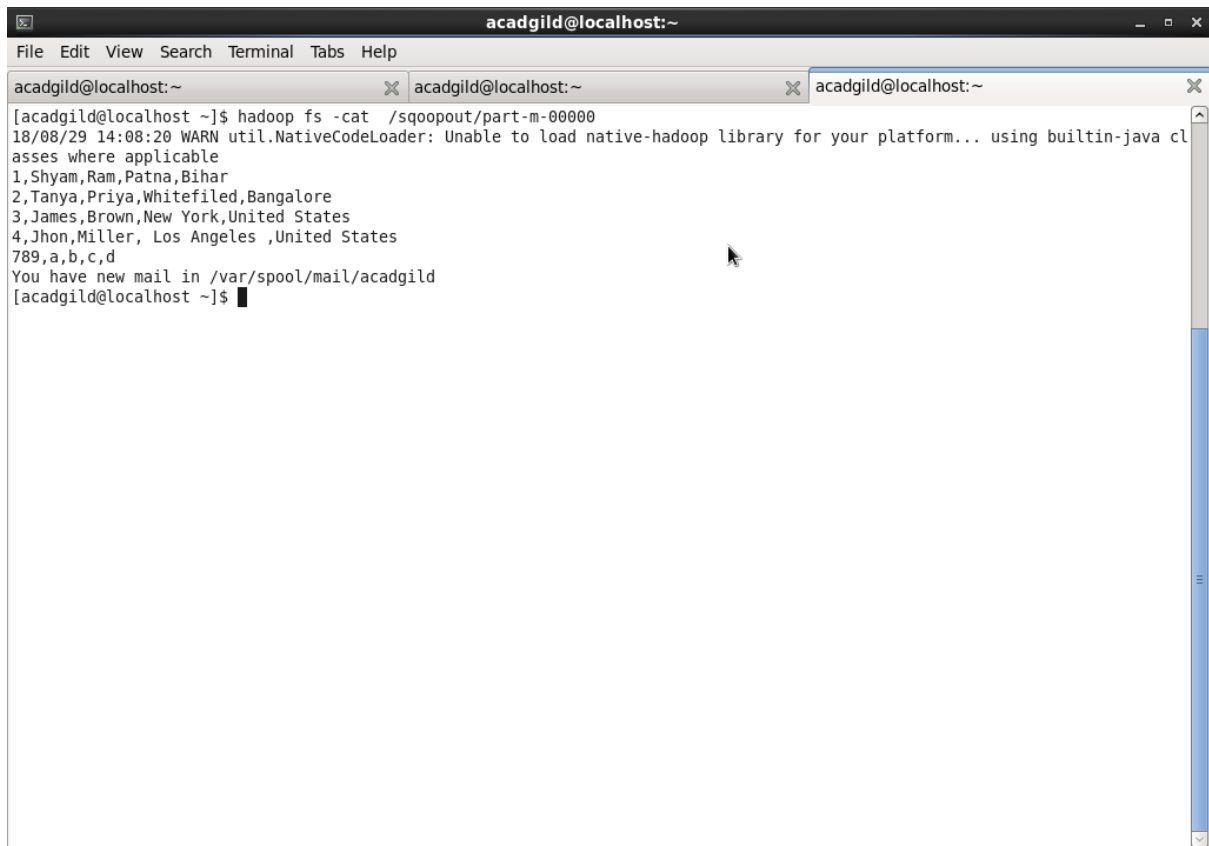
--table specify the table to be used while importing

--connect specify the connection string used in connecting to mysql database

Import is the command to specify import

```
acadgild@localhost:~  
File Edit View Search Terminal Tabs Help  
acadgild@localhost:~  
[acadgild@localhost ~]$ sqoop import --connect jdbc:mysql://localhost/simplidb --table Person --username root --password Root@123 --target-dir /sqoopout -m 1  
Warning: /home/acadgild/install/sqoop/sqoop-1.4.6.bin__hadoop-2.0.4-alpha/./hcatalog does not exist! HCatalog jobs will fail.  
Please set $HCAT HOME to the root of your HCatalog installation.  
Warning: /home/acadgild/install/sqoop/sqoop-1.4.6.bin__hadoop-2.0.4-alpha/./accumulo does not exist! Accumulo imports will fail.  
Please set $ACCUMULO HOME to the root of your Accumulo installation.  
18/08/29 13:53:39 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6  
18/08/29 13:53:39 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.  
18/08/29 13:53:39 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.  
18/08/29 13:53:39 INFO tool.CodeGenTool: Beginning code generation  
Wed Aug 29 13:53:40 IST 2018 WARN: Establishing SSL connection without server's identity verification is not recommended. According to MySQL 5.5.45+, 5.6.26+ and 5.7.6+ requirements SSL connection must be established by default if explicit option isn't set. For compliance with existing applications not using SSL the verifyServerCertificate property is set to 'false'. You need either to explicitly disable SSL by setting useSSL=false, or set useSSL=true and provide truststore for server certificate verification.  
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Please set $ACCUMULO HOME to the root of your Accumulo installation.  
18/08/29 13:54:44 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6  
18/08/29 13:54:44 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.  
18/08/29 13:54:44 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.  
18/08/29 13:54:44 INFO tool.CodeGenTool: Beginning code generation  
Wed Aug 29 13:54:45 IST 2018 WARN: Establishing SSL connection without server's identity verification is not recommended. According to MySQL 5.5.45+, 5.6.26+ and 5.7.6+ requirements SSL connection must be established by default if explicit option isn't set. For compliance with existing applications not using SSL the verifyServerCertificate property is set to 'false'. You need either to explicitly disable SSL by setting useSSL=false, or set useSSL=true and provide truststore for server certificate verification.  
18/08/29 13:54:46 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `Person` AS t LIMIT 1  
18/08/29 13:54:46 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `Person` AS t LIMIT 1  
18/08/29 13:54:46 INFO orm.CompilationManager: HADOOP MAPRED HOME is /home/acadgild/install/hadoop/hadoop-2.6.5  
Note: /tmp/sqoop-acadgild/compile/1b8fa808f63aa33e7dc5219667d8c865/Person.java uses or overrides a deprecated API.  
Note: Recompile with -Xlint:deprecation for details.  
18/08/29 13:54:50 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-acadgild/compile/1b8fa808f63aa33e7dc5219667d8c865/Person.jar  
18/08/29 13:54:50 WARN manager.MySQLManager: It looks like you are importing from mysql.  
18/08/29 13:54:50 WARN manager.MySQLManager: This transfer can be faster! Use the --direct  
18/08/29 13:54:50 WARN manager.MySQLManager: option to exercise a MySQL-specific fast path.  
18/08/29 13:54:50 INFO manager.MySQLManager: Setting zero DATETIME behavior to convertToNull (mysql)  
18/08/29 13:54:50 INFO mapreduce.ImportJobBase: Beginning import of Person  
SLF4J: Class path contains multiple SLF4J bindings.  
SLF4J: Found binding in [jar:file:/home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/common/lib/slf4j-log4j12-1.7.5.jar!/org/slf4j/impl/StaticLoggerBinder.class]  
SLF4J: Found binding in [jar:file:/home/acadgild/install/hbase/hbase-1.2.6/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.  
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]  
18/08/29 13:54:50 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
18/08/29 13:54:50 INFO Configuration.deprecation: mapred.jar is deprecated. Instead, use mapreduce.job.jar  
■
```



```
acadgild@localhost:~  
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acacgild@localhost:~ acacgild@localhost:~ acacgild@localhost:~  
[acacgild@localhost ~]$ hadoop fs -cat /sqoopout/part-m-00000  
18/08/29 14:08:20 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl  
asses where applicable  
1,Shyam,Ram,Patna,Bihar  
2,Tanya,Priya,Whitefiled,Bangalore  
3,James,Brown,New York,United States  
4,Jhon,Miller, Los Angeles ,United States  
789,a,b,c,d  
You have new mail in /var/spool/mail/acacgild  
[acacgild@localhost ~]$
```

Task2

Use Sqoop tool to import data present in SQOOPOUT folder made while demo of Import table with parameter `person_id=3`.

```
sqoop import --connect jdbc:mysql://localhost/simplidb --table Person --username root --password Root@123 --where "person_id = 3" --target-dir /sqoopout -m 1
```

--where specify the condition on which import would work

-m specify number of mapper, by default sqoop uses 4 mapper

--target-dir specify where to store the import

--password specify the password to connect to mysql database

--username specify the user to connect to mysql database

--table specify the table to be used while importing

--connect specify the connection string used in connecting to mysql database

Import is the command to specify import

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Warning: /home/acadgild/install/sqoop/sqoop-1.4.6.bin__hadoop-2.0.4-alpha/./hcatalog does not exist! HCatalog jobs will fail.  
Please set $HCAT HOME to the root of your HCatalog installation.  
Warning: /home/acadgild/install/sqoop/sqoop-1.4.6.bin__hadoop-2.0.4-alpha/./accumulo does not exist! Accumulo imports will fail.  
Please set $ACCUMULO HOME to the root of your Accumulo installation.  
18/08/29 14:11:20 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6  
18/08/29 14:11:20 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.  
18/08/29 14:11:21 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.  
18/08/29 14:11:21 INFO tool.CodeGenTool: Beginning code generation  
Wed Aug 29 14:11:21 IST 2018 WARN: Establishing SSL connection without server's identity verification is not recommended. According to MySQL 5.5.45+, 5.6.26+ and 5.7.6+ requirements SSL connection must be established by default if explicit option isn't set. For compliance with existing applications not using SSL the verifyServerCertificate property is set to 'false'. You need either to explicitly disable SSL by setting useSSL=false, or set useSSL=true and provide truststore for server certificate verification.  
18/08/29 14:11:23 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `Person` AS t LIMIT 1  
18/08/29 14:11:23 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `Person` AS t LIMIT 1  
18/08/29 14:11:23 INFO orm.CompilationManager: HADOOP MAPRED HOME is /home/acadgild/install/hadoop/hadoop-2.6.5  
Note: /tmp/sqoop-acadgild/compile/fbb6e4650ed6972b5b8d742d201225b6/Person.java uses or overrides a deprecated API.  
Note: Recompile with -Xlint:deprecation for details.  
18/08/29 14:11:27 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-acadgild/compile/fbb6e4650ed6972b5b8d742d201225b6/Person.jar  
18/08/29 14:11:27 WARN manager.MySQLManager: It looks like you are importing from mysql.  
18/08/29 14:11:27 WARN manager.MySQLManager: This transfer can be faster! Use the --direct  
18/08/29 14:11:27 WARN manager.MySQLManager: option to exercise a MySQL-specific fast path.  
18/08/29 14:11:27 INFO manager.MySQLManager: Setting zero DATETIME behavior to convertToNull (mysql)  
18/08/29 14:11:27 INFO mapreduce.ImportJobBase: Beginning import of Person  
SLF4J: Class path contains multiple SLF4J bindings.  
SLF4J: Found binding in [jar:file:/home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/common/lib/slf4j-log4j12-1.7.5.jar!/org/slf4j/impl/StaticLoggerBinder.class]  
SLF4J: Found binding in [jar:file:/home/acadgild/install/hbase/hbase-1.2.6/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.  
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]  
18/08/29 14:11:27 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
```

```
acadgild@localhost:~  
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acadgild@localhost:~ acadgild@localhost:~ acadgild@localhost:~  
[acadgild@localhost ~]$ hadoop fs -cat /sqoopout/part-m-00000  
18/08/29 14:12:42 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
3,James,Brown,New York,United States  
[acadgild@localhost ~]$
```