

ssh student3_10@37.139.32.56 -D localhost:8080

sqoop list-databases

```
Терминал - igor@igor-MS-7808: ~
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igor@igor-MS-7808: ~
Please set $ACCUMULO_HOME to the root of your Accumulo installation.
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hadoop/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/phoenix/phoenix-5.0.0.3.1.4.0-315-server.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hive/lib/log4j-slf4j-impl-2.10.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
No such sqoop tool: list-database. See 'sqoop help'.
-bash-4.2$ ^C
-bash-4.2$ sqoop list-databases
Warning: /usr/hdp/3.1.4.0-315/accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO_HOME to the root of your Accumulo installation.
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hadoop/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/phoenix/phoenix-5.0.0.3.1.4.0-315-server.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hive/lib/log4j-slf4j-impl-2.10.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
21/04/24 20:36:31 INFO sqoop.Sqoop: Running Sqoop version: 1.4.7.3.1.4.0-315
Error: Required argument --connect is missing.
Try --help for usage instructions.
-bash-4.2$
```

sqoop list-databases jdbc:postgresql://10.0.0.7/lesson5 --username exporter --password exporter_pass

```
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Error: Required argument --connect is missing.
Try --help for usage instructions.
-bash-4.2$ sqoop list-databases jdbc:postgresql://10.0.0.7/lesson5 --username exporter --password exporter_pass
Warning: /usr/hdp/3.1.4.0-315/accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO_HOME to the root of your Accumulo installation.
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hadoop/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/phoenix/phoenix-5.0.0.3.1.4.0-315-server.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hive/lib/log4j-slf4j-impl-2.10.0.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]
21/05/03 09:20:22 INFO sqoop.Sqoop: Running Sqoop version: 1.4.7.3.1.4.0-315
21/05/03 09:20:22 ERROR tool.BaseSqoopTool: Error parsing arguments for list-databases:
21/05/03 09:20:22 ERROR tool.BaseSqoopTool: Unrecognized argument: jdbc:postgresql://10.0.0.7/lesson5
21/05/03 09:20:22 ERROR tool.BaseSqoopTool: Unrecognized argument: --username
21/05/03 09:20:22 ERROR tool.BaseSqoopTool: Unrecognized argument: exporter
21/05/03 09:20:22 ERROR tool.BaseSqoopTool: Unrecognized argument: --password
21/05/03 09:20:22 ERROR tool.BaseSqoopTool: Unrecognized argument: exporter_pass

Try --help for usage instructions.
-bash-4.2$
```

sqoop list-databases --connect jdbc:postgresql://10.0.0.7/lesson5 --username exporter --password exporter_pass

```
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-bash-4.2$ sqoop list-databases --connect jdbc:postgresql://10.0.0.7/lesson5 --username exporter --password exporter_pass
Warning: /usr/hdp/3.1.4.0-315/accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO_HOME to the root of your Accumulo installation.
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hadoop/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/phoenix/phoenix-5.0.0.3.1.4.0-315-server.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hive/lib/log4j-slf4j-impl-2.10.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
21/05/03 09:23:36 INFO sqoop.Sqoop: Running Sqoop version: 1.4.7.3.1.4.0-315
21/05/03 09:23:36 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.
21/05/03 09:23:36 INFO manager.SqlManager: Using default fetchSize of 1000
postgres
ambari
template1
template0
hive
oozie
lesson5
student21
-bash-4.2$
```

sqoop list-tables --connect jdbc:postgresql://10.0.0.7/lesson5 --username exporter --password exporter_pass

```
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ambari
template1
template0
hive
oozie
lesson5
student21
-bash-4.2$ sqoop list-tables --connect jdbc:postgresql://10.0.0.7/lesson5 --username exporter --password exporter_pass
Warning: /usr/hdp/3.1.4.0-315/accumulo does not exist! Accumulo imports will fail.
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SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hadoop/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/phoenix/phoenix-5.0.0.3.1.4.0-315-server.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hive/lib/log4j-slf4j-impl-2.10.0.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]
21/05/03 09:26:01 INFO sqoop.Sqoop: Running Sqoop version: 1.4.7.3.1.4.0-315
21/05/03 09:26:01 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.
21/05/03 09:26:01 INFO manager.SqlManager: Using default fetchSize of 1000
test
-bash-4.2$
```

hive

use student3_10;

```
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igor@igor-MS-7808: ~
igor@igor-MS-7808: ~

(state=42000,code=40000)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> channel 7: open failed: administratively prohibited: open failed
channel 9: open failed: administratively prohibited: open failed
channel 72: open failed: administratively prohibited: open failed
channel 72: open failed: administratively prohibited: open failed

0: jdbc:hive2://bigdataanalytics2-worker-shdp> use student3_10;
INFO : Compiling command(queryId=hive_20210424210101_5621bfe5-41e2-4456-9003-d34308b09597): use student3_10
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hive_20210424210101_5621bfe5-41e2-4456-9003-d34308b09597); Time taken: 0.005 seconds
INFO : Executing command(queryId=hive_20210424210101_5621bfe5-41e2-4456-9003-d34308b09597): use student3_10
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210424210101_5621bfe5-41e2-4456-9003-d34308b09597); Time taken: 0.008 seconds
INFO : OK
No rows affected (0,084 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp>
```

show tables;

```
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INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema(fieldSchemas:[FieldSchema(name:tab_name, type:string, comment:from deserializer)], properties:null)
INFO : Completed compiling command(queryId=hive_20210503093913_a82a7de9-e65f-4270-a4d0-db80af33439f); Time taken: 0.015 seconds
INFO : Executing command(queryId=hive_20210503093913_a82a7de9-e65f-4270-a4d0-db80af33439f): show tables
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210503093913_a82a7de9-e65f-4270-a4d0-db80af33439f); Time taken: 0.025 seconds
INFO : OK
+-----+
| tab_name |
+-----+
| parquet_test |
| urbandict |
| v_avro |
| v_avro_sn |
| v_parquet |
| v_parquet2 |
| v_parquet_gx |
| v_parquet_sn |
+-----+
8 rows selected (0,185 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp>
```

drop table test;

```
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igor@igor-MS-7808: ~
| v_parquet2 |
| v_parquet_gx |
| v_parquet_sn |
| vehicles |
+-----+
9 rows selected (0,069 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> drop table test;
INFO : Compiling command(queryId=hive_20210424210825_0347f9b7-737a-4d9b-a004-48ce65cd44c9): drop table test
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hive_20210424210825_0347f9b7-737a-4d9b-a004-48ce65cd44c9); Time taken: 0.018 seconds
INFO : Executing command(queryId=hive_20210424210825_0347f9b7-737a-4d9b-a004-48ce65cd44c9): drop table test
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210424210825_0347f9b7-737a-4d9b-a004-48ce65cd44c9); Time taken: 0.007 seconds
INFO : OK
No rows affected (0,05 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp>
```

drop table urbandict;

```
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| urbandict |
| v_avro |
| v_avro_sn |
| v_parquet |
| v_parquet2 |
| v_parquet_gx |
| v_parquet_sn |
+-----+
8 rows selected (0,185 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> drop table urbandict
INFO : Compiling command(queryId=hive_20210503094237_43d25bb3-0259-473a-abd7-13ccd90af237): drop table urbandict
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hive_20210503094237_43d25bb3-0259-473a-abd7-13ccd90af237); Time taken: 0.026 seconds
INFO : Executing command(queryId=hive_20210503094237_43d25bb3-0259-473a-abd7-13ccd90af237): drop table urbandict
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210503094237_43d25bb3-0259-473a-abd7-13ccd90af237); Time taken: 0.078 seconds
INFO : OK
No rows affected (0,123 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp>
```

drop table vehicles;

```
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igor@igor-MS-7808: ~
INFO : Completed compiling command(queryId=hive_20210424210825_0347f9b7-737a-4d9b-a004-48ce65cd44c9); Time taken: 0.018 seconds
INFO : Executing command(queryId=hive_20210424210825_0347f9b7-737a-4d9b-a004-48ce65cd44c9): drop table test
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210424210825_0347f9b7-737a-4d9b-a004-48ce65cd44c9); Time taken: 0.007 seconds
INFO : OK
No rows affected (0,05 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> drop table vehicles;
INFO : Compiling command(queryId=hive_20210424210917_197010ae-2025-48c0-a294-c42e7e233744): drop table vehicles
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hive_20210424210917_197010ae-2025-48c0-a294-c42e7e233744); Time taken: 0.015 seconds
INFO : Executing command(queryId=hive_20210424210917_197010ae-2025-48c0-a294-c42e7e233744): drop table vehicles
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210424210917_197010ae-2025-48c0-a294-c42e7e233744); Time taken: 0.09 seconds
INFO : OK
No rows affected (0,135 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp>
```

sqoop import --connect jdbc:postgresql://localhost/lesson5 --username exporter --password exporter_pass --table test --hive-import --hive-database student3_10 --hive-table test

```
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SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/phoenix/phoenix-5.0.0.3.1.4.0-315-server.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hive/lib/log4j-slf4j-impl-2.10.0.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]
21/05/03 11:28:53 INFO sqoop.Sqoop: Running Sqoop version: 1.4.7.3.1.4.0-315
21/05/03 11:28:53 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.
21/05/03 11:28:53 INFO tool.BaseSqoopTool: Using Hive-specific delimiters for output. You can override
21/05/03 11:28:53 INFO tool.BaseSqoopTool: delimiters with --fields-terminated-by, etc.
21/05/03 11:28:54 INFO manager.SqlManager: Using default fetchSize of 1000
21/05/03 11:28:54 INFO tool.CodeGenTool: Beginning code generation
21/05/03 11:28:54 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM "test" AS t LIMIT 1
21/05/03 11:28:54 INFO orm.CompilationManager: HADOOP_MAPRED_HOME is /usr/hdp/3.1.4.0-315/hadoop-mapreduce
21/05/03 11:28:57 WARN orm.CompilationManager: Could not rename /tmp/sqoop-student3_10/compile/feec3ca3a8c45fed5d796cccd06f94c/test.java to /home/st
udent3_10/./test.java. Error: Destination '/home/student3_10/./test.java' already exists
21/05/03 11:28:57 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-student3_10/compile/feec3ca3a8c45fed5d796cccd06f94c/test.jar
21/05/03 11:28:57 WARN manager.PostgresqlManager: It looks like you are importing from postgresql.
21/05/03 11:28:57 WARN manager.PostgresqlManager: This transfer can be faster! Use the --direct
21/05/03 11:28:57 WARN manager.PostgresqlManager: option to exercise a postgresql-specific fast path.
21/05/03 11:28:57 ERROR tool.ImportTool: Import failed: No primary key could be found for table test. Please specify one with --split-by or perform a
sequential import with '-m 1'.
-bash-4.2$
```

```
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SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
21/04/24 21:13:39 INFO sqoop.Sqoop: Running Sqoop version: 1.4.7.3.1.4.0-315
21/04/24 21:13:39 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.
21/04/24 21:13:39 INFO tool.BaseSqoopTool: Using Hive-specific delimiters for output. You can override
21/04/24 21:13:39 INFO tool.BaseSqoopTool: delimiters with --fields-terminated-by, etc.
21/04/24 21:13:39 INFO manager.SqlManager: Using default fetchSize of 1000
21/04/24 21:13:39 INFO tool.CodeGenTool: Beginning code generation
21/04/24 21:13:40 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM "test" AS t LIMIT 1
21/04/24 21:13:40 INFO orm.CompilationManager: HADOOP_MAPRED_HOME is /usr/hdp/3.1.4.0-315/hadoop-mapreduce
21/04/24 21:13:42 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-student3_10/compile/f6ed083e34d81165aaa68bf7dbc8c141/test.jar
21/04/24 21:13:42 WARN manager.PostgresqlManager: It looks like you are importing from postgresql.
21/04/24 21:13:42 WARN manager.PostgresqlManager: This transfer can be faster! Use the --direct
21/04/24 21:13:42 WARN manager.PostgresqlManager: option to exercise a postgresql-specific fast path.
21/04/24 21:13:42 ERROR tool.ImportTool: Import failed: No primary key could be found for table test. Please specify one with --split-by or perform a sequent
ial import with '-m 1'.
-bash-4.2$
```

sqoop import --connect jdbc:postgresql://localhost/lesson5 --username exporter --password exporter_pass --
table test --hive-import --hive-database student3_10 --hive-table test -m 1

```
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at org.apache.hadoop.ipc.Client.getRpcResponse(Client.java:1498)
at org.apache.hadoop.ipc.Client.call(Client.java:1444)
at org.apache.hadoop.ipc.Client.call(Client.java:1354)
at org.apache.hadoop.ipc.ProtobufRpcEngine$Invoker.invoke(ProtobufRpcEngine.java:228)
at org.apache.hadoop.ipc.ProtobufRpcEngine$Invoker.invoke(ProtobufRpcEngine.java:116)
at com.sun.proxy.$Proxy10.addBlock(Unknown Source)
at org.apache.hadoop.hdfs.protocolPB.ClientNamenodeProtocolTranslatorPB.addBlock(ClientNamenodeProtocolTranslatorPB.java:510)
at sun.reflect.GeneratedMethodAccessor4.invoke(Unknown Source)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.apache.hadoop.io.retry.RetryInvocationHandler.invokeMethod(RetryInvocationHandler.java:422)
at org.apache.hadoop.io.retry.RetryInvocationHandler$Call.invokeMethod(RetryInvocationHandler.java:165)
at org.apache.hadoop.io.retry.RetryInvocationHandler$Call.invoke(RetryInvocationHandler.java:157)
at org.apache.hadoop.io.retry.RetryInvocationHandler$Call.invokeOnce(RetryInvocationHandler.java:95)
at org.apache.hadoop.io.retry.RetryInvocationHandler.invoke(RetryInvocationHandler.java:359)
at com.sun.proxy.$Proxy11.addBlock(Unknown Source)
at org.apache.hadoop.hdfs.DFSOutputStream.addBlock(DFSOutputStream.java:1078)
... 3 more
-bash-4.2$
```

hdfs dfs -ls test


```
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SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
21/05/03 09:46:12 INFO sqoop.Sqoop: Running Sqoop version: 1.4.7.3.1.4.0-315
21/05/03 09:46:12 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.
21/05/03 09:46:12 INFO tool.BaseSqoopTool: Using Hive-specific delimiters for output. You can override
21/05/03 09:46:12 INFO tool.BaseSqoopTool: delimiters with --fields-terminated-by, etc.
21/05/03 09:46:12 INFO manager.SqlManager: Using default fetchSize of 1000
21/05/03 09:46:12 INFO tool.CodeGenTool: Beginning code generation
21/05/03 09:46:12 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM "test" AS t LIMIT 1
21/05/03 09:46:13 INFO orm.CompilationManager: HADOOP_MAPRED_HOME is /usr/hdp/3.1.4.0-315/hadoop-mapreduce
21/05/03 09:46:14 WARN orm.CompilationManager: Could not rename /tmp/sqoop-student3_10/compile/3a44dd6625581055068beb27b237d11b/test.java to /home/st
udent3_10/./test.java. Error: Destination '/home/student3_10/./test.java' already exists
21/05/03 09:46:14 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-student3_10/compile/3a44dd6625581055068beb27b237d11b/test.jar
21/05/03 09:46:14 WARN manager.PostgresqlManager: It looks like you are importing from postgresql.
21/05/03 09:46:14 WARN manager.PostgresqlManager: This transfer can be faster! Use the --direct
21/05/03 09:46:14 WARN manager.PostgresqlManager: option to exercise a postgresql-specific fast path.
21/05/03 09:46:14 ERROR tool.ImportTool: Import failed: No primary key could be found for table test. Please specify one with --split-by or perform a
sequential import with '-m 1'.
-bash-4.2$ hdfs dfs -ls test
ls: `test': No such file or directory
-bash-4.2$
```

hdfs dfs -rm -skipTrash test

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

at org.apache.hadoop.ipc.ProtobufRpcEngine$Invoker.invoke(ProtobufRpcEngine.java:228)
at org.apache.hadoop.ipc.ProtobufRpcEngine$Invoker.invoke(ProtobufRpcEngine.java:116)
at com.sun.proxy.$Proxy10.addBlock(Unknown Source)
at org.apache.hadoop.hdfs.protocolPB.ClientNamenodeProtocolTranslatorPB.addBlock(ClientNamenodeProtocolTranslatorPB.java:510)
at sun.reflect.GeneratedMethodAccessor4.invoke(Unknown Source)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.apache.hadoop.io.retry.RetryInvocationHandler.invokeMethod(RetryInvocationHandler.java:422)
at org.apache.hadoop.io.retry.RetryInvocationHandler$Call.invokeMethod(RetryInvocationHandler.java:165)
at org.apache.hadoop.io.retry.RetryInvocationHandler$Call.invoke(RetryInvocationHandler.java:157)
at org.apache.hadoop.io.retry.RetryInvocationHandler$Call.invokeOnce(RetryInvocationHandler.java:95)
at org.apache.hadoop.io.retry.RetryInvocationHandler.invoke(RetryInvocationHandler.java:359)
at com.sun.proxy.$Proxy11.addBlock(Unknown Source)
at org.apache.hadoop.hdfs.DFSOutputStream.addBlock(DFSOutputStream.java:1078)
... 3 more

-bash-4.2$ hdfs dfs -ls test
ls: `test': No such file or directory
-bash-4.2$ hdfs dfs -rm -skipTrash test
rm: `test': No such file or directory
-bash-4.2$
```

hdfs dfs -rm -r -skipTrash test

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

at com.sun.proxy.$Proxy10.addBlock(Unknown Source)
at org.apache.hadoop.hdfs.protocolPB.ClientNamenodeProtocolTranslatorPB.addBlock(ClientNamenodeProtocolTranslatorPB.java:510)
at sun.reflect.GeneratedMethodAccessor4.invoke(Unknown Source)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.apache.hadoop.io.retry.RetryInvocationHandler.invokeMethod(RetryInvocationHandler.java:422)
at org.apache.hadoop.io.retry.RetryInvocationHandler$Call.invokeMethod(RetryInvocationHandler.java:165)
at org.apache.hadoop.io.retry.RetryInvocationHandler$Call.invoke(RetryInvocationHandler.java:157)
at org.apache.hadoop.io.retry.RetryInvocationHandler$Call.invokeOnce(RetryInvocationHandler.java:95)
at org.apache.hadoop.io.retry.RetryInvocationHandler.invoke(RetryInvocationHandler.java:359)
at com.sun.proxy.$Proxy11.addBlock(Unknown Source)
at org.apache.hadoop.hdfs.DFSOutputStream.addBlock(DFSOutputStream.java:1078)
... 3 more

-bash-4.2$ hdfs dfs -ls test
ls: `test': No such file or directory
-bash-4.2$ hdfs dfs -rm -skipTrash test
rm: `test': No such file or directory
-bash-4.2$ hdfs dfs -rm -r -skipTrash test
rm: `test': No such file or directory
-bash-4.2$
```

sqoop import --connect jdbc:postgresql://localhost/lesson5 --username exporter --password exporter_pass --
table test --hive-import --hive-database student3_10 --hive-table test -m 1

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

at org.apache.hadoop.ipc.Client.getRpcResponse(Client.java:1498)
at org.apache.hadoop.ipc.Client.call(Client.java:1444)
at org.apache.hadoop.ipc.Client.call(Client.java:1354)
at org.apache.hadoop.ipc.ProtobufRpcEngine$Invoker.invoke(ProtobufRpcEngine.java:228)
at org.apache.hadoop.ipc.ProtobufRpcEngine$Invoker.invoke(ProtobufRpcEngine.java:116)
at com.sun.proxy.$Proxy10.addBlock(Unknown Source)
at org.apache.hadoop.hdfs.protocolPB.ClientNamenodeProtocolTranslatorPB.addBlock(ClientNamenodeProtocolTranslatorPB.java:510)
at sun.reflect.GeneratedMethodAccessor4.invoke(Unknown Source)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.apache.hadoop.io.retry.RetryInvocationHandler.invokeMethod(RetryInvocationHandler.java:422)
at org.apache.hadoop.io.retry.RetryInvocationHandler$Call.invokeMethod(RetryInvocationHandler.java:165)
at org.apache.hadoop.io.retry.RetryInvocationHandler$Call.invoke(RetryInvocationHandler.java:157)
at org.apache.hadoop.io.retry.RetryInvocationHandler$Call.invokeOnce(RetryInvocationHandler.java:95)
at org.apache.hadoop.io.retry.RetryInvocationHandler.invoke(RetryInvocationHandler.java:359)
at com.sun.proxy.$Proxy11.addBlock(Unknown Source)
at org.apache.hadoop.hdfs.DFSOutputStream.addBlock(DFSOutputStream.java:1078)
... 3 more

-bash-4.2$
```

hdfs dfs -ls test

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

at org.apache.hadoop.ipc.Client.call(Client.java:1444)
at org.apache.hadoop.ipc.Client.call(Client.java:1354)
at org.apache.hadoop.ipc.ProtobufRpcEngine$Invoker.invoke(ProtobufRpcEngine.java:228)
at org.apache.hadoop.ipc.ProtobufRpcEngine$Invoker.invoke(ProtobufRpcEngine.java:116)
at com.sun.proxy.$Proxy10.addBlock(Unknown Source)
at org.apache.hadoop.hdfs.protocolPB.ClientNamenodeProtocolTranslatorPB.addBlock(ClientNamenodeProtocolTranslatorPB.java:510)
at sun.reflect.GeneratedMethodAccessor4.invoke(Unknown Source)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
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at org.apache.hadoop.io.retry.RetryInvocationHandler$Call.invokeOnce(RetryInvocationHandler.java:95)
at org.apache.hadoop.io.retry.RetryInvocationHandler.invoke(RetryInvocationHandler.java:359)
at com.sun.proxy.$Proxy11.addBlock(Unknown Source)
at org.apache.hadoop.hdfs.DFSOutputStream.addBlock(DFSOutputStream.java:1078)
... 3 more

-bash-4.2$ hdfs dfs -ls test
ls: `test': No such file or directory
-bash-4.2$
```

hdfs dfs -ls

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

at org.apache.hadoop.hdfs.protocolPB.ClientNamenodeProtocolTranslatorPB.addBlock(ClientNamenodeProtocolTranslatorPB.java:510)
at sun.reflect.GeneratedMethodAccessor4.invoke(Unknown Source)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.apache.hadoop.io.retry.RetryInvocationHandler.invokeMethod(RetryInvocationHandler.java:422)
at org.apache.hadoop.io.retry.RetryInvocationHandler$Call.invokeMethod(RetryInvocationHandler.java:165)
at org.apache.hadoop.io.retry.RetryInvocationHandler$Call.invoke(RetryInvocationHandler.java:157)
at org.apache.hadoop.io.retry.RetryInvocationHandler$Call.invokeOnce(RetryInvocationHandler.java:95)
at org.apache.hadoop.io.retry.RetryInvocationHandler.invoke(RetryInvocationHandler.java:359)
at com.sun.proxy.$Proxy11.addBlock(Unknown Source)
at org.apache.hadoop.hdfs.DFSOutputStream.addBlock(DFSOutputStream.java:1078)
... 3 more

-bash-4.2$ hdfs dfs -ls test
ls: `test': No such file or directory
-bash-4.2$ hdfs dfs -ls
Found 3 items
drwx----- student3_10 student3_10      0 2021-04-26 00:00 .Trash
drwx----- student3_10 student3_10      0 2021-05-03 10:04 .staging
drwxrwxrwx student3_10 student3_10      0 2021-04-24 18:34 avro
-bash-4.2$
```

`sqoop import --connect jdbc:postgresql://10.0.0.7/lesson5 --username exporter --password exporter_pass --table test --hive-import --hive-database student3_10 --hive-table test -m 1`

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~                               igor@igor-MS-7808: ~

at org.apache.hadoop.mapreduce.Job.submit(Job.java:1567)
at org.apache.hadoop.mapreduce.Job.waitForCompletion(Job.java:1588)
at org.apache.sqoop.mapreduce.ImportJobBase.doSubmitJob(ImportJobBase.java:199)
at org.apache.sqoop.mapreduce.ImportJobBase.runJob(ImportJobBase.java:172)
at org.apache.sqoop.mapreduce.ImportJobBase.runImport(ImportJobBase.java:269)
at org.apache.sqoop.manager.SqlManager.importTable(SqlManager.java:691)
at org.apache.sqoop.manager.PostgresqlManager.importTable(PostgresqlManager.java:126)
at org.apache.sqoop.tool.ImportTool.importTable(ImportTool.java:549)
at org.apache.sqoop.tool.ImportTool.run(ImportTool.java:655)
at org.apache.sqoop.Sqoop.run(Sqoop.java:151)
at org.apache.hadoop.util.ToolRunner.run(ToolRunner.java:76)
at org.apache.sqoop.Sqoop.runSqoop(Sqoop.java:187)
at org.apache.sqoop.Sqoop.runTool(Sqoop.java:241)
at org.apache.sqoop.Sqoop.runTool(Sqoop.java:250)
at org.apache.sqoop.Sqoop.main(Sqoop.java:259)

-bash-4.2$
```

show tables;

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~                               igor@igor-MS-7808: ~

INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210424212232_296eb596-8fe2-4746-b2f7-c1e19996ebbb); Time taken: 0.005 seconds
INFO : OK

+-----+
| tab_name |
+-----+
| parquet_test |
| urbandict |
| v_avro |
| v_avro_sn |
| v_parquet |
| v_parquet2 |
| v_parquet_gx |
| v_parquet_sn |
+-----+

8 rows selected (0,027 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> show tables;
```

select * from test limit 10;

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~                               igor@igor-MS-7808: ~

INFO : Completed executing command(queryId=hive_20210424212503_a9da6c37-a0de-4daf-812c-6529c109e60f); Time taken: 0.007 seconds
INFO : OK

+-----+
| tab_name |
+-----+
| parquet_test |
| urbandict |
| v_avro |
| v_avro_sn |
| v_parquet |
| v_parquet2 |
| v_parquet_gx |
| v_parquet_sn |
+-----+

8 rows selected (0,03 seconds)
Error: Error while compiling statement: FAILED: SemanticException [Error 10001]: Line 1:14 Table not found 'tast' (state=42S02,code=10001)
0: jdbc:hive2://bigdataanalytics2-worker-shdp>
```

psql

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~                               igor@igor-MS-7808: ~

at org.apache.sqoop.mapreduce.ImportJobBase.doSubmitJob(ImportJobBase.java:199)
at org.apache.sqoop.mapreduce.ImportJobBase.runJob(ImportJobBase.java:172)
at org.apache.sqoop.mapreduce.ImportJobBase.runImport(ImportJobBase.java:269)
at org.apache.sqoop.manager.SqlManager.importTable(SqlManager.java:691)
at org.apache.sqoop.manager.PostgresqlManager.importTable(PostgresqlManager.java:126)
at org.apache.sqoop.tool.ImportTool.importTable(ImportTool.java:549)
at org.apache.sqoop.tool.ImportTool.run(ImportTool.java:655)
at org.apache.sqoop.Sqoop.run(Sqoop.java:151)
at org.apache.hadoop.util.ToolRunner.run(ToolRunner.java:76)
at org.apache.sqoop.Sqoop.runSqoop(Sqoop.java:187)
at org.apache.sqoop.Sqoop.runTool(Sqoop.java:241)
at org.apache.sqoop.Sqoop.runTool(Sqoop.java:250)
at org.apache.sqoop.Sqoop.main(Sqoop.java:259)

-bash-4.2$ psql
psql: FATAL: role "student3_10" does not exist
-bash-4.2$
```

psql -U exporter

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808:~$ ssh student3 10@37.139.32.56 -D localhost:8080
Last login: Sat Apr 24 20:03:52 2021 from 109-252-26-235.nat.spd-mgts.ru
-bash-4.2$ channel 6: open failed: administratively prohibited: open failed
channel 6: open failed: administratively prohibited: open failed
channel 110: open failed: administratively prohibited: open failed
channel 110: open failed: administratively prohibited: open failed

-bash-4.2$ psql -U exporter
psql: FATAL:  database "exporter" does not exist
-bash-4.2$
```

psql -U lesson5

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808:~$ ssh student3 10@37.139.32.56 -D localhost:8080
Last login: Sat Apr 24 20:03:52 2021 from 109-252-26-235.nat.spd-mgts.ru
-bash-4.2$ channel 6: open failed: administratively prohibited: open failed
channel 6: open failed: administratively prohibited: open failed
channel 110: open failed: administratively prohibited: open failed
channel 110: open failed: administratively prohibited: open failed

-bash-4.2$ psql -U exporter
psql: FATAL:  database "exporter" does not exist
-bash-4.2$ psql -U lesson5
psql: FATAL:  role "lesson5" does not exist
-bash-4.2$
```

psql -d lesson5 -U exporter

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808:~$ ssh student3 10@37.139.32.56 -D localhost:8080
Last login: Sat Apr 24 20:03:52 2021 from 109-252-26-235.nat.spd-mgts.ru
-bash-4.2$ channel 6: open failed: administratively prohibited: open failed
channel 6: open failed: administratively prohibited: open failed
channel 110: open failed: administratively prohibited: open failed
channel 110: open failed: administratively prohibited: open failed

-bash-4.2$ psql -U exporter
psql: FATAL:  database "exporter" does not exist
-bash-4.2$ psql -U lesson5
psql: FATAL:  role "lesson5" does not exist
-bash-4.2$ psql -d lesson5 -U exporter
psql (9.2.24, сервер 9.6.21)
ПРЕДУПРЕЖДЕНИЕ: psql имеет версию 9.2, а сервер - 9.6.
Часть функций psql может не работать.
Введите "help", чтобы получить справку.

lesson5=>
```

show tables;

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

-bash-4.2$ channel 6: open failed: administratively prohibited: open failed
channel 6: open failed: administratively prohibited: open failed
channel 110: open failed: administratively prohibited: open failed
channel 110: open failed: administratively prohibited: open failed

-bash-4.2$ psql -U exporter
psql: FATAL:  database "exporter" does not exist
-bash-4.2$ psql -U lesson5
psql: FATAL:  role "lesson5" does not exist
-bash-4.2$ psql -d lesson5 -U exporter
psql (9.2.24, сервер 9.6.21)
ПРЕДУПРЕЖДЕНИЕ: psql имеет версию 9.2, а сервер - 9.6.
Часть функций psql может не работать.
Введите "help", чтобы получить справку.

lesson5=> show tables;
ERROR:  unrecognized configuration parameter "tables"
lesson5=>
```

select * from test limit 10;


```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

ПРЕДУПРЕЖДЕНИЕ: psql имеет версию 9.2, а сервер - 9.6.
Часть функций psql может не работать.
Введите "help", чтобы получить справку.

lesson5=> show tables;
ERROR: unrecognized configuration parameter "tables"
lesson5=> show table;
ERROR: syntax error at or near "table"
LINE 1: show table;
          ^
lesson5=> select * from test limit 10;
 id | str
----+-----
  1 | myText
  2 | myText2
(2 строки)
lesson5=>
```

hdfs dfs -ls test

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

lesson5=> show tables;
ERROR: unrecognized configuration parameter "tables"
lesson5=> show table;
ERROR: syntax error at or near "table"
LINE 1: show table;
          ^
lesson5=> select * from test limit 10;
 id | str
----+-----
  1 | myText
  2 | myText2
(2 строки)
lesson5=> /q
lesson5-> \q
-bash-4.2$ hdfs dfs -ls test
-bash-4.2$
```

hdfs dfs -rm -r — skipTrush test

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

LINE 1: show table;
          ^
lesson5=> select * from test limit 10;
 id | str
----+-----
  1 | myText
  2 | myText2
(2 строки)
lesson5=> /q
lesson5-> \q
-bash-4.2$ hdfs dfs -ls test
-bash-4.2$ hdfs dfs -rm -r — skipTrush test
rm: '-': No such file or directory
rm: 'skipTrush': No such file or directory
21/04/25 11:57:50 INFO fs.TrashPolicyDefault: Moved: 'hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/user/student3_10/test' to trash at: hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/user/student3_10/.Trash/Current/user/student3_10/test
-bash-4.2$
```

sqoop import --connect jdbc:postgresql://10.0.0.7/lesson5 --username exporter --password exporter_pass --table test --hive-import --hive-database student3_10 --hive-table test -m 1

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

21/04/25 12:06:28 INFO hive.HiveImport: INFO : Completed compiling command(queryId=hive_20210425120628_e80af7f1-519f-4c30-a410-098c1753fa10); Time taken: 0.028 seconds
21/04/25 12:06:28 INFO hive.HiveImport: INFO : Executing command(queryId=hive_20210425120628_e80af7f1-519f-4c30-a410-098c1753fa10): LOAD DATA INPATH 'hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/user/student3_10/test' INTO TABLE 'student3_10`.`test`
21/04/25 12:06:28 INFO hive.HiveImport: INFO : Starting task [Stage-0:MOVE] in serial mode
21/04/25 12:06:28 INFO hive.HiveImport: INFO : Loading data to table student3_10.test from hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/user/student3_10/test
21/04/25 12:06:28 INFO hive.HiveImport: INFO : Starting task [Stage-1:STATS] in serial mode
21/04/25 12:06:28 INFO hive.HiveImport: INFO : Completed executing command(queryId=hive_20210425120628_e80af7f1-519f-4c30-a410-098c1753fa10); Time taken: 0.117 seconds
21/04/25 12:06:28 INFO hive.HiveImport: INFO : OK
21/04/25 12:06:28 INFO hive.HiveImport: No rows affected (0.173 seconds)
21/04/25 12:06:28 INFO hive.HiveImport: 0: jdbc:hive2://bigdataanalytics2-worker-shdp>
21/04/25 12:06:28 INFO hive.HiveImport: 0: jdbc:hive2://bigdataanalytics2-worker-shdp> Closing: 0: jdbc:hive2://bigdataanalytics2-worker-shdpt-v31-1-5.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-0.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-4.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-3.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-2.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-1.novalocal:2181/default;password=hive;serviceDiscoveryMode=zooKeeper;user=hive;zooKeeperNamespac
e=hiveserver2
21/04/25 12:06:28 INFO hive.HiveImport: Hive import complete.
21/04/25 12:06:28 INFO hive.HiveClientCommon: Export directory is not empty, keeping it.
21/04/25 12:06:28 INFO tool.ImportTool: Publishing Hive/Hcat import job data to Listeners for table test
-bash-4.2$
```

sqoop import --connect jdbc:postgresql://10.0.0.7/lesson5 --username exporter --password exporter_pass --table test --hive-import --hive-database student3_10 --hive-table test

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
21/04/25 12:07:41 INFO sqoop.Sqoop: Running Sqoop version: 1.4.7.3.1.4.0-315
21/04/25 12:07:41 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.
21/04/25 12:07:41 INFO tool.BaseSqoopTool: Using Hive-specific delimiters for output. You can override
21/04/25 12:07:41 INFO tool.BaseSqoopTool: delimiters with --fields-terminated-by, etc.
21/04/25 12:07:41 INFO manager.SqlManager: Using default fetchSize of 1000
21/04/25 12:07:41 INFO tool.CodeGenTool: Beginning code generation
21/04/25 12:07:42 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM "test" AS t LIMIT 1
21/04/25 12:07:42 INFO orm.CompilationManager: HADOOP_MAPRED_HOME is /usr/hdp/3.1.4.0-315/hadoop-mapreduce
21/04/25 12:07:44 WARN orm.CompilationManager: Could not rename /tmp/sqoop-student3_10/compile/b4b74d7e767a9694f68e4b77017053a6/test.java to /home/student3_10/./test.java.
Error: Destination '/home/student3_10/./test.java' already exists
21/04/25 12:07:44 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-student3_10/compile/b4b74d7e767a9694f68e4b77017053a6/test.jar
21/04/25 12:07:44 WARN manager.PostgresqlManager: It looks like you are importing from postgresql.
21/04/25 12:07:44 WARN manager.PostgresqlManager: This transfer can be faster! Use the --direct
21/04/25 12:07:44 WARN manager.PostgresqlManager: option to exercise a postgresql-specific fast path.
21/04/25 12:07:44 ERROR tool.ImportTool: Import failed: No primary key could be found for table test. Please specify one with --split-by or perform a sequential import with
'-m 1'.
-bash-4.2$
```

sqoop import --connect jdbc:postgresql://10.0.0.7/lesson5 --username exporter --password exporter_pass --table test --hive-import --hive-database student3_10 --hive-table test --split-by id

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

-bash-4.2$ sqoop import --connect jdbc:postgresql://10.0.0.7/lesson5 --username exporter --password exporter_pass --table test --hive-import --hive-database student3_10 --h
ive-table test --split-by id
Warning: /usr/hdp/3.1.4.0-315/accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO_HOME to the root of your Accumulo installation.
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hadoop/lib/slf4j-log4j12-1.7.25.jar!/org.slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/phenix/phenix-5.0.0.3.1.4.0-315-server.jar!/org.slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hive/lib/log4j-slf4j-impl-2.10.0.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]
21/04/25 12:10:42 INFO sqoop.Sqoop: Running Sqoop version: 1.4.7.3.1.4.0-315
21/04/25 12:10:42 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.
21/04/25 12:10:42 ERROR tool.BaseSqoopTool: Error parsing arguments for import:
21/04/25 12:10:42 ERROR tool.BaseSqoopTool: Unrecognized argument: --split-by
21/04/25 12:10:42 ERROR tool.BaseSqoopTool: Unrecognized argument: id

Try --help for usage instructions.
-bash-4.2$
```

select * from test limit 10;

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

4.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-3.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-2.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-1.novalocal:
l:2181/default;password=hive;serviceDiscoveryMode=zooKeeper;user=hive;zooKeeperNamespace=hiveserver2
21/04/25 12:11:59 [main-SendThread(bigdataanalytics2-worker-shdpt-v31-1-0.novalocal:2181)]: WARN zookeeper.ClientCnxn: Session 0x0 for server null, unexpected error, closing
socket connection and attempting reconnect
java.net.ConnectException: В соединении отказано
    at sun.nio.ch.SocketChannelImpl.checkConnect(Native Method) ~[?:1.8.0_191]
    at sun.nio.ch.SocketChannelImpl.finishConnect(SocketChannelImpl.java:717) ~[?:1.8.0_191]
    at org.apache.zookeeper.ClientCnxnSocketNIO.doTransport(ClientCnxnSocketNIO.java:361) ~[zookeeper-3.4.6.3.1.4.0-315.jar:3.4.6-315-1]
    at org.apache.zookeeper.ClientCnxn$SendThread.run(ClientCnxn.java:1119) [zookeeper-3.4.6.3.1.4.0-315.jar:3.4.6-315-1]
21/04/25 12:11:59 [main]: INFO jdbc.HiveConnection: Connected to bigdataanalytics2-head-shdpt-v31-1-0.novalocal:10000
Connected to: Apache Hive (version 3.1.0.3.1.4.0-315)
Driver: Hive JDBC (version 3.1.0.3.1.4.0-315)
Transaction isolation: TRANSACTION_REPEATABLE_READ
Beeline version 3.1.0.3.1.4.0-315 by Apache Hive
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> select * from test limit 10
.....>;
Error: Error while compiling statement: FAILED: SemanticException [Error 10001]: Line 1:14 Table not found 'test' (state=42S02,code=10001)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt>
```

drop table test;

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

Connected to: Apache Hive (version 3.1.0.3.1.4.0-315)
Driver: Hive JDBC (version 3.1.0.3.1.4.0-315)
Transaction isolation: TRANSACTION_REPEATABLE_READ
Beeline version 3.1.0.3.1.4.0-315 by Apache Hive
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> select * from test limit 10
.....>;
Error: Error while compiling statement: FAILED: SemanticException [Error 10001]: Line 1:14 Table not found 'test' (state=42S02,code=10001)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> drop table test;
INFO : Compiling command(queryId=hive_20210425121530_9a0df46a-1adb-45ea-9c1a-d5213a2a2614): drop table test
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema(fieldsSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hive_20210425121530_9a0df46a-1adb-45ea-9c1a-d5213a2a2614); Time taken: 0.011 seconds
INFO : Executing command(queryId=hive_20210425121530_9a0df46a-1adb-45ea-9c1a-d5213a2a2614): drop table test
INFO : Starting task [Stage:0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210425121530_9a0df46a-1adb-45ea-9c1a-d5213a2a2614); Time taken: 0.005 seconds
INFO : OK
No rows affected (0,005 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt>
```

hdfs dfs -rm -r -skipTrash test;

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

Error: Error while compiling statement: FAILED: SemanticException [Error 10001]: Line 1:14 Table not found 'test' (state=42S02,code=10001)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> drop table test;
INFO : Compiling command(queryId=hive_20210425121530_9a0df46a-1adb-45ea-9c1a-d5213a2a2614): drop table test
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema(fieldsSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hive_20210425121530_9a0df46a-1adb-45ea-9c1a-d5213a2a2614); Time taken: 0.011 seconds
INFO : Executing command(queryId=hive_20210425121530_9a0df46a-1adb-45ea-9c1a-d5213a2a2614): drop table test
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210425121530_9a0df46a-1adb-45ea-9c1a-d5213a2a2614); Time taken: 0.005 seconds
INFO : OK
No rows affected (0,005 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> hdfs dfs -rm -r -skipTrash test
.
.
.
Error: Error while compiling statement: FAILED: ParseException line 1:0 cannot recognize input near 'hdfs' 'dfs' '-' (state=42000,code=40000)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> hdfs dfs -rm -r -skipTrash test
.
.
.
Error: Error while compiling statement: FAILED: ParseException line 1:0 cannot recognize input near 'hdfs' 'dfs' '-' (state=42000,code=40000)
0: jdbc:hive2://bigdataanalytics2-worker-shdp>
```

sqoop import --connect jdbc:postgresql://10.0.0.7/lesson5 --username exporter --password exporter_pass --table test --hive-import --hive-database student3_10 --hive-table test --split-by id;

```
Терминал - igor@igor-MS-7808: ~
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-bash-4.2$ sqoop import --connect jdbc:postgresql://10.0.0.7/lesson5 --username exporter --password exporter_pass --table test --hive-import --hive-database student3_10 --hive-table test --split-by id
Warning: /usr/hdp/3.1.4.0-315/accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO_HOME to the root of your Accumulo installation.
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hadoop/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/phenix/phenix-5.0.0.3.1.4.0-315-server.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hive/lib/log4j-slf4j-impl-2.10.0.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]
21/04/25 12:24:44 INFO sqoop.Sqoop: Running Sqoop version: 1.4.7.3.1.4.0-315
21/04/25 12:24:44 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.
21/04/25 12:24:44 ERROR tool.BaseSqoopTool: Error parsing arguments for import:
21/04/25 12:24:44 ERROR tool.BaseSqoopTool: Unrecognized argument: --split-by
21/04/25 12:24:44 ERROR tool.BaseSqoopTool: Unrecognized argument: id

Try --help for usage instructions.
-bash-4.2$
```

hive

```
Терминал - igor@igor-MS-7808: ~
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21/04/25 12:24:44 ERROR tool.BaseSqoopTool: Unrecognized argument: id

Try --help for usage instructions.
-bash-4.2$ hive
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hive/lib/log4j-slf4j-impl-2.10.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hadoop/lib/log4j-slf4j-impl-2.10.0.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.apache.logging.slf4j.Log4jLoggerFactory]
Connecting to jdbc:hive2://bigdataanalytics2-worker-shdpt-v31-1-5.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-0.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-4.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-3.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-2.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-1.novalocal:2181/default;password=hive;serviceDiscoveryMode=zooKeeper;user=hive;zooKeeperNamespace=hiveserver2
21/04/25 12:25:22 [main]: INFO jdbc.HiveConnection: Connected to bigdataanalytics2-head-shdpt-v31-1-0.novalocal:10000
Connected to: Apache Hive (version 3.1.0.3.1.4.0-315)
Driver: Hive JDBC (version 3.1.0.3.1.4.0-315)
Transaction isolation: TRANSACTION_REPEATABLE_READ
Beeline version 3.1.0.3.1.4.0-315 by Apache Hive
0: jdbc:hive2://bigdataanalytics2-worker-shdp>
```

use student3_10;

```
Терминал - igor@igor-MS-7808: ~
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Connected to: Apache Hive (version 3.1.0.3.1.4.0-315)
Driver: Hive JDBC (version 3.1.0.3.1.4.0-315)
Transaction isolation: TRANSACTION_REPEATABLE_READ
Beeline version 3.1.0.3.1.4.0-315 by Apache Hive
0: jdbc:hive2://bigdataanalytics2-worker-shdp> select * from test limit 10
.
.
.
Error: Error while compiling statement: FAILED: SemanticException [Error 10001]: Line 1:14 Table not found 'test' (state=42S02,code=10001)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> use student3_10;
INFO : Compiling command(queryId=hive_20210425123728_79d63372-da38-49e9-9f92-1d181845a45f): use student3_10
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema(fieldsSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hive_20210425123728_79d63372-da38-49e9-9f92-1d181845a45f); Time taken: 0.003 seconds
INFO : Executing command(queryId=hive_20210425123728_79d63372-da38-49e9-9f92-1d181845a45f): use student3_10
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210425123728_79d63372-da38-49e9-9f92-1d181845a45f); Time taken: 0.006 seconds
INFO : OK
No rows affected (0,056 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp>
```

select * from test limit 10;

```
Терминал - igor@igor-MS-7808: ~
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No rows affected (0,056 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> select * from test limit 10;
INFO : Compiling command(queryId=hive_20210425123824_608877a8-9794-47ae-9533-bfe497074545): select * from test limit 10
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema(fieldSchemas:[FieldSchema(name:test.id, type:int, comment:null), FieldSchema(name:test.str, type:string, comment:null)], properties:null)
INFO : Completed compiling command(queryId=hive_20210425123824_608877a8-9794-47ae-9533-bfe497074545); Time taken: 0.069 seconds
INFO : Executing command(queryId=hive_20210425123824_608877a8-9794-47ae-9533-bfe497074545): select * from test limit 10
INFO : Completed executing command(queryId=hive_20210425123824_608877a8-9794-47ae-9533-bfe497074545); Time taken: 0.0 seconds
INFO : OK
+-----+-----+
| test.id | test.str |
+-----+-----+
| 1       | myText   |
| 2       | myText2  |
+-----+-----+
2 rows selected (0,143 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp>
```

hdfs dfs -ls test

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

INFO : Executing command(queryId=hive_20210425123824_608877a8-9794-47ae-9533-bfe497074545): select * from test limit 10
INFO : Completed executing command(queryId=hive_20210425123824_608877a8-9794-47ae-9533-bfe497074545); Time taken: 0.0 seconds
INFO : OK
+-----+-----+
| test.id | test.str |
+-----+-----+
| 1       | myText   |
| 2       | myText2  |
+-----+-----+
2 rows selected (0,143 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> Closing: 0: jdbc:hive2://bigdataanalytics2-worker-shdpt-v31-1-5.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-0.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-4.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-3.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-2.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-1.novalocal:2181/default;password=hive;serviceDiscoveryMode=zooKeeper;user=hive;zooKeeperNamespace=hiveserver2
-bash-4.2$ hdfs dfs -ls test
Found 2 items
-rw-r--r--  2 student3_10 student3_10      0 2021-04-25 12:01 test/_SUCCESS
-rw-r--r--  2 student3_10 student3_10     19 2021-04-25 12:01 test/part-m-000000
-bash-4.2$
```

hdfs dfs -cat test/part-m-00000

```
Терминал - igor@igor-MS-7808: ~
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+-----+-----+
| test.id | test.str |
+-----+-----+
| 1       | myText   |
| 2       | myText2  |
+-----+-----+
2 rows selected (0,143 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> Closing: 0: jdbc:hive2://bigdataanalytics2-worker-shdpt-v31-1-5.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-0.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-4.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-3.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-2.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-1.novalocal:2181/default;password=hive;serviceDiscoveryMode=zooKeeper;user=hive;zooKeeperNamespace=hiveserver2
-bash-4.2$ hdfs dfs -ls test
Found 2 items
-rw-r--r--  2 student3_10 student3_10      0 2021-04-25 12:01 test/_SUCCESS
-rw-r--r--  2 student3_10 student3_10     19 2021-04-25 12:01 test/part-m-000000
-bash-4.2$ hdfs dfs -cat test/part-m-00000
1myText
2myText2
-bash-4.2$
```

hdfs dfs -rm -r --skipTrush test

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

+-----+-----+
| test.id | test.str |
+-----+-----+
| 1       | myText   |
| 2       | myText2  |
+-----+-----+
2 rows selected (0,143 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> Closing: 0: jdbc:hive2://bigdataanalytics2-worker-shdpt-v31-1-5.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-0.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-4.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-3.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-2.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-1.novalocal:2181/default;password=hive;serviceDiscoveryMode=zooKeeper;user=hive;zooKeeperNamespace=hiveserver2
-bash-4.2$ hdfs dfs -ls test
Found 2 items
-rw-r--r--  2 student3_10 student3_10      0 2021-04-25 12:01 test/_SUCCESS
-rw-r--r--  2 student3_10 student3_10     19 2021-04-25 12:01 test/part-m-000000
-bash-4.2$ hdfs dfs -cat test/part-m-00000
1myText
2myText2
-bash-4.2$ hdfs dfs -rm -r --skipTrush test
rm: '-': No such file or directory
rm: 'skipTrush': No such file or directory
21/04/25 12:44:49 INFO fs.TrashPolicyDefault: Moved: 'hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/user/student3_10/test' to trash at: hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/user/student3_10/.Trash/Current/user/student3_10/test
-bash-4.2$
```

hive

use student3_10;

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

4.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-3.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-2.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-1.novalocal:2181/default;password=hive;serviceDiscoveryMode=zooKeeper;user=hive;zooKeeperNamespace=hiveserver2
21/04/25 12:51:25 [main]: INFO jdbc.HiveConnection: Connected to bigdataanalytics2-head-shdpt-v31-1-0.novalocal:10000
Connected to: Apache Hive (version 3.1.0.3.1.4.0-315)
Driver: Hive JDBC (version 3.1.0.3.1.4.0-315)
Transaction isolation: TRANSACTION_REPEATABLE_READ
Beeline version 3.1.0.3.1.4.0-315 by Apache Hive
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> use student3_10;
INFO : Compiling command(queryId=hive_20210425125205_cb5fee17-3243-40ac-9dcb-0b54f8676fd7): use student3_10
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hive_20210425125205_cb5fee17-3243-40ac-9dcb-0b54f8676fd7); Time taken: 0.003 seconds
INFO : Executing command(queryId=hive_20210425125205_cb5fee17-3243-40ac-9dcb-0b54f8676fd7): use student3_10
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210425125205_cb5fee17-3243-40ac-9dcb-0b54f8676fd7); Time taken: 0.007 seconds
INFO : OK
No rows affected (0,11 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> █
```

drop table test;

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

INFO : Returning Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hive_20210425125205_cb5fee17-3243-40ac-9dcb-0b54f8676fd7); Time taken: 0.003 seconds
INFO : Executing command(queryId=hive_20210425125205_cb5fee17-3243-40ac-9dcb-0b54f8676fd7): use student3_10
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210425125205_cb5fee17-3243-40ac-9dcb-0b54f8676fd7); Time taken: 0.007 seconds
INFO : OK
No rows affected (0,11 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> drop table test;
INFO : Compiling command(queryId=hive_20210425125348_6836037a-f2d2-40b2-a37c-bcb3d25b7934): drop table test
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hive_20210425125348_6836037a-f2d2-40b2-a37c-bcb3d25b7934); Time taken: 0.016 seconds
INFO : Executing command(queryId=hive_20210425125348_6836037a-f2d2-40b2-a37c-bcb3d25b7934): drop table test
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210425125348_6836037a-f2d2-40b2-a37c-bcb3d25b7934); Time taken: 0.067 seconds
INFO : OK
No rows affected (0,107 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> █
```

FLUME

```
Терминал - igor@igor-MS-7808: ~
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at org.apache.zookeeper.ClientCnxnSocketNIO.doTransport(ClientCnxnSocketNIO.java:361) ~[zookeeper-3.4.6.3.1.4.0-315.jar:3.4.6-315--1]
at org.apache.zookeeper.ClientCnxn$SendThread.run(ClientCnxn.java:1119) [zookeeper-3.4.6.3.1.4.0-315.jar:3.4.6-315--1]
21/04/25 13:13:30 [main]: INFO jdbc.HiveConnection: Connected to bigdataanalytics2-head-shdpt-v31-1-0.novalocal:10000
Connected to: Apache Hive (version 3.1.0.3.1.4.0-315)
Driver: Hive JDBC (version 3.1.0.3.1.4.0-315)
Transaction isolation: TRANSACTION_REPEATABLE_READ
Beeline version 3.1.0.3.1.4.0-315 by Apache Hive
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> use student3_10;
INFO : Compiling command(queryId=hive_20210425131346_5b5d2609-f4a9-4027-a7fc-f15aacc711b8): use student3_10
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hive_20210425131346_5b5d2609-f4a9-4027-a7fc-f15aacc711b8); Time taken: 0.01 seconds
INFO : Executing command(queryId=hive_20210425131346_5b5d2609-f4a9-4027-a7fc-f15aacc711b8): use student3_10
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210425131346_5b5d2609-f4a9-4027-a7fc-f15aacc711b8); Time taken: 0.05 seconds
INFO : OK
No rows affected (0,193 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> █
```

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

INFO : Executing command(queryId=hive_20210425131431_be2acf24-2dad-42ae-a477-60e8b9ba9235): show tables
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210425131431_be2acf24-2dad-42ae-a477-60e8b9ba9235); Time taken: 0.01 seconds
INFO : OK
+-----+
| tab_name |
+-----+
| parquet_test |
| urbandict |
| v_avro |
| v_avro_sn |
| v_parquet |
| v_parquet2 |
| v_parquet_gx |
| v_parquet_sn |
+-----+
8 rows selected (0,097 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> █
```

select * from urbandict limit 1000;


```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

+-----+
8 rows selected (0,097 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> select * from urbandict limit 1000;
INFO  : Compiling command(queryId=hive_20210425131641_073a31d0-4ec3-45d9-a889-be9390e62072): select * from urbandict limit 1000
INFO  : Semantic Analysis Completed (retrial = false)
INFO  : Returning Hive schema: Schema(fieldSchemas:[FieldSchema(name:urbandict.word_id, type:string, comment:null), FieldSchema(name:urbandict.word, type:string, comment:null), FieldSchema(name:urbandict.up_votes, type:string, comment:null), FieldSchema(name:urbandict.down_votes, type:string, comment:null), FieldSchema(name:urbandict.author, type:string, comment:null), FieldSchema(name:urbandict.definition, type:string, comment:null)], properties:null)
INFO  : Completed compiling command(queryId=hive_20210425131641_073a31d0-4ec3-45d9-a889-be9390e62072); Time taken: 0.112 seconds
INFO  : Executing command(queryId=hive_20210425131641_073a31d0-4ec3-45d9-a889-be9390e62072): select * from urbandict limit 1000
INFO  : Completed executing command(queryId=hive_20210425131641_073a31d0-4ec3-45d9-a889-be9390e62072); Time taken: 0.001 seconds
INFO  : OK

+-----+
| urbandict.word_id | urbandict.word | urbandict.up_votes | urbandict.down_votes | urbandict.author | urbandict.definition |
+-----+
+-----+
No rows selected (0,142 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp>
```

select * from v_avro limit 1000;

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

INFO  : Completed compiling command(queryId=hive_20210425131832_3a801803-5815-46f3-8aaf-cdf1d1433d1); Time taken: 0.105 seconds
INFO  : Executing command(queryId=hive_20210425131832_3a801803-5815-46f3-8aaf-cdf1d1433d1): select * from v_avro limit 1000
INFO  : Completed executing command(queryId=hive_20210425131832_3a801803-5815-46f3-8aaf-cdf1d1433d1); Time taken: 0.001 seconds
INFO  : OK

+-----+
| v_avro.rid | v_avro.id | v_avro.url | v_avro.region | v_avro.region_url | v_avro.price | v_avro.year | v_avro.manufacturer | v_avro.model | v_avro.condition | v_avro.cylinders | v_avro.fuel | v_avro.odometer | v_avro.title_status | v_avro.transmission | v_avro.vin | v_avro.drive | v_avro.size | v_avro.type | v_avro.paint_color | v_avro.image_url | v_avro.description | v_avro.state | v_avro.lat | v_avro.long | v_avro.posting_date | v_avro.p_date |
+-----+
+-----+
No rows selected (0,157 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp>
```

select * from v_parquet limit 1000;

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

+-----+
| v_parquet.rid | v_parquet.id | v_parquet.url | v_parquet.region | v_parquet.region_url | v_parquet.price | v_parquet.year | v_parquet.manufacturer | v_parquet.model | v_parquet.condition | v_parquet.cylinders | v_parquet.fuel | v_parquet.odometer | v_parquet.title_status | v_parquet.transmission | v_parquet.vin | v_parquet.drive | v_parquet.size | v_parquet.type | v_parquet.paint_color | v_parquet.image_url | v_parquet.description | v_parquet.state | v_parquet.lat | v_parquet.long | v_parquet.posting_date | v_parquet.p_date |
+-----+
+-----+
No rows selected (0,176 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp>
```

create tble v_avro_limit as select * from v_avro limit 1000;

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

+-----+
| v_parquet.rid | v_parquet.id | v_parquet.url | v_parquet.region | v_parquet.region_url | v_parquet.price | v_parquet.year | v_parquet.manufacturer | v_parquet.model | v_parquet.condition | v_parquet.cylinders | v_parquet.fuel | v_parquet.odometer | v_parquet.title_status | v_parquet.transmission | v_parquet.vin | v_parquet.drive | v_parquet.size | v_parquet.type | v_parquet.paint_color | v_parquet.image_url | v_parquet.description | v_parquet.state | v_parquet.lat | v_parquet.long | v_parquet.posting_date | v_parquet.p_date |
+-----+
+-----+
No rows selected (0,176 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> create tble v_avro_limit as select * from v_avro limit 1000;
Error: Error while compiling statement: FAILED: ParseException line 1:7 cannot recognize input near 'create' 'tble' 'v_avro_limit' in ddl statement (state=42000,code=40000)
0: jdbc:hive2://bigdataanalytics2-worker-shdp>
```

mkdir flm

cd flm/

scp flm.conf student3_10@37.139.32.56:flm/.

```
Терминал - igor@igor-MS-7808: ~/BigData. Введение в экосистему Hadoop/6. ETL
Файл  Правка  Вид  Терминал  Вкладки  Справка
igor@igor-MS-7808:~/BigData. Введение в экосистему Hadoop/6. ETL$ scp flm.conf student3_10@37.139.32.56:flm/.
flm.conf 100% 792 113.0KB/s 00:00
igor@igor-MS-7808:~/BigData. Введение в экосистему Hadoop/6. ETL$
```

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hive/lib/log4j-slf4j-impl-2.10.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hadoop/lib/slf4j-log4j12-1.7.25.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.apache.logging.slf4j.Log4jLoggerFactory]
Connecting to jdbc:hive2://bigdataanalytics2-worker-shdpt-v31-1-5.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-4.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-3.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-2.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-1.novalocal:2181/default;password=hive;serviceDiscoveryMode=zooKeeper;user=hive;zooKeeperNamespace=hiveserver2
21/05/03 15:24:20 [main]: INFO jdbc.HiveConnection: Connected to bigdataanalytics2-head-shdpt-v31-1-0.novalocal:10000
Connected to: Apache Hive (version 3.1.0.3.1.4.0-315)
Driver: Hive JDBC (version 3.1.0.3.1.4.0-315)
Transaction isolation: TRANSACTION_REPEATABLE_READ
Error: Error while compiling statement: FAILED: SemanticException [Error 10001]: Table not found lesson6_9.character_p (state=42S02,code=10001)
Closing: 0: jdbc:hive2://bigdataanalytics2-worker-shdpt-v31-1-5.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-0.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-4.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-3.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-2.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-1.novalocal:2181/default;password=hive;serviceDiscoveryMode=zooKeeper;user=hive;zooKeeperNamespace=hiveserver2
-bash-4.2$ msck REPAIR TABLE lesson6_9.character_p
-bash: msck: команда не найдена
-bash-4.2$ mkdir flm
mkdir: невозможно создать каталог «flm»: Файл существует
-bash-4.2$ cd flm/
-bash-4.2$ vim heartbeat.sh
-bash-4.2$ ls
flm flm.conf heartbeat.sh
-bash-4.2$
```

vim flm.conf

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка
# Naming the components on the current agent
StudentFlume.sources = Exec
StudentFlume.channels = MemChannel
StudentFlume.sinks = MySink

# Describing/Configuring the source
StudentFlume.sources.Exec.type = exec
StudentFlume.sources.Exec.command = /home/student3_10/flm/heartbeat.sh

# Describing/Configuring the hdfs sink
StudentFlume.sinks.MySink.type=hdfs
StudentFlume.sinks.MySink.hdfs.path=/user/student3_10/flm
StudentFlume.sinks.MySink.hdfs.fileSuffix=.log

# Describing/Configuring the channel
StudentFlume.channels.MemChannel.type = memory
StudentFlume.channels.MemChannel.capacity=10000000
StudentFlume.channels.MemChannel.transactionCapacity = 100

# Bind the source and sink to the channel
StudentFlume.sources.Exec.channels = MemChannel
StudentFlume.sinks.MySink.channel = MemChannel
~
~
~
1,1  Весь
```

hdfs dfs -mkdir flm

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hive/lib/log4j-slf4j-impl-2.10.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hadoop/lib/slf4j-log4j12-1.7.25.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.apache.logging.slf4j.Log4jLoggerFactory]
Connecting to jdbc:hive2://bigdataanalytics2-worker-shdpt-v31-1-5.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-0.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-4.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-3.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-2.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-1.novalocal:2181/default;password=hive;serviceDiscoveryMode=zooKeeper;user=hive;zooKeeperNamespace=hiveserver2
21/05/03 15:24:20 [main]: INFO jdbc.HiveConnection: Connected to bigdataanalytics2-head-shdpt-v31-1-0.novalocal:10000
Connected to: Apache Hive (version 3.1.0.3.1.4.0-315)
Driver: Hive JDBC (version 3.1.0.3.1.4.0-315)
Transaction isolation: TRANSACTION_REPEATABLE_READ
Error: Error while compiling statement: FAILED: SemanticException [Error 10001]: Table not found lesson6_9.character_p (state=42S02,code=10001)
Closing: 0: jdbc:hive2://bigdataanalytics2-worker-shdpt-v31-1-5.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-0.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-4.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-3.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-2.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-1.novalocal:2181/default;password=hive;serviceDiscoveryMode=zooKeeper;user=hive;zooKeeperNamespace=hiveserver2
-bash-4.2$ msck REPAIR TABLE lesson6_9.character_p
-bash-4.2$ msck: команда не найдена
-bash-4.2$ mkdir flm
mkdir: невозможно создать каталог «flm»: Файл существует
-bash-4.2$ cd flm/
-bash-4.2$ vim heartbeat.sh
-bash-4.2$ ls
flm  flm.conf  heartbeat.sh
-bash-4.2$ vim flm.conf
-bash-4.2$ hdfs dfs -mkdir flm
-bash-4.2$
```

/opt/apache-flume/bin/flume-ng agent --conf /home/student3_10/flm/ --conf-file /home/student3_10/flm/flm.conf --name StudentFlume -Dflume.root.logger=INFO,console

```
Терминал - igor@igor-MS-7808: ~/BigData. Введение в экосистему Hadoop/6. ETL
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21/04/25 16:09:45 INFO instrumentation.MonitoredCounterGroup: Component type: SOURCE, name: Exec started
21/04/25 16:09:45 ERROR source.ExecSource: Failed while running command: /home/student3_10/flm/heartbeat.sh
java.io.IOException: Cannot run program "/home/student3_10/flm/heartbeat.sh": error=2, Нет такого файла или каталога
    at java.lang.ProcessBuilder.start(ProcessBuilder.java:1048)
    at org.apache.flume.source.ExecSource$ExecRunnable.run(ExecSource.java:309)
    at java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:511)
    at java.util.concurrent.FutureTask.run(FutureTask.java:266)
    at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)
    at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)
    at java.lang.Thread.run(Thread.java:748)
Caused by: java.io.IOException: error=2, Нет такого файла или каталога
    at java.lang.UNIXProcess.forkAndExec(Native Method)
    at java.lang.UNIXProcess.<init>(UNIXProcess.java:247)
    at java.lang.ProcessImpl.start(ProcessImpl.java:134)
    at java.lang.ProcessBuilder.start(ProcessBuilder.java:1029)
    ... 6 more
21/04/25 16:09:45 INFO source.ExecSource: Command [/home/student3_10/flm/heartbeat.sh] exited with -1073741824
```

hdfs dfs -ls flm

hdfs dfs -ls

```
Терминал - igor@igor-MS-7808: ~/BigData. Введение в экосистему Hadoop/6. ETL
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808:~/BigData. Введение в экосистему Hadoop/6. ETL$ scp flm.conf student3_10@37.139.32.56:flm/.
flm.conf 100% 802 45.4KB/s 00:00
igor@igor-MS-7808:~/BigData. Введение в экосистему Hadoop/6. ETL$ ssh student3_10@37.139.32.56
Last login: Mon May 3 15:01:30 2021 from 109.252.26.235
-bash-4.2$ hdfs dfs -ls flm
-bash-4.2$ hdfs dfs -ls
Found 2 items
drwx----- student3_10 student3_10 0 2021-05-03 15:08 .staging
drwxr-xr-x student3_10 student3_10 0 2021-05-03 15:51 flm
-bash-4.2$
```

hive

use student3_10;

```
Терминал - igor@igor-MS-7808: ~/BigData. Введение в экосистему Hadoop/6. ETL
Файл  Правка  Вид  Терминал  Вкладки  Справка

SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hive/lib/log4j-slf4j-impl-2.10.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hadoop/lib/slf4j-log4j12-1.7.25.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.apache.logging.slf4j.Log4jLoggerFactory]
Connecting to jdbc:hive2://bigdataanalytics2-worker-shdpt-v31-1-5.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-0.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-4.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-3.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-2.novalocal:2181,bigdataanalytics2-worker-shdpt-v31-1-1.novalocal:2181/default;password=hive;serviceDiscoveryMode=zooKeeper;user=hive;zooKeeperNamespace=hiveserver2
21/05/03 16:12:59 [main]: INFO jdbc.HiveConnection: Connected to bigdataanalytics2-head-shdpt-v31-1-0.novalocal:10000
Connected to: Apache Hive (version 3.1.0.3.1.4.0-315)
Driver: Hive JDBC (version 3.1.0.3.1.4.0-315)
Transaction isolation: TRANSACTION_REPEATABLE_READ
Beeline version 3.1.0.3.1.4.0-315 by Apache Hive
0: jdbc:hive2://bigdataanalytics2-worker-shdp> use student3_10;
INFO : Compiling command(queryId=hive_20210503161552_cde05d63-82a8-4606-859b-0a8627c14923): use student3_10
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hive_20210503161552_cde05d63-82a8-4606-859b-0a8627c14923); Time taken: 0.005 seconds
INFO : Executing command(queryId=hive_20210503161552_cde05d63-82a8-4606-859b-0a8627c14923): use student3_10
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210503161552_cde05d63-82a8-4606-859b-0a8627c14923); Time taken: 0.006 seconds
INFO : OK
No rows affected (0,114 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp>
```

create external table flm_logs (first string, second string, third string, fourth string, fifth string)
ROW FORMAT DELIMITED
FIELDS TERMINATED BY ';'
STORED AS INPUTFORMAT 'org.apache.hadoop.mapred.SequenceFileInputFormat'
OUTPUTFORMAT 'org.apache.hadoop.hive.ql.io.HiveSequenceFileOutputFormat'
location '/user/student3_10/flm';

```
Терминал - igor@igor-MS-7808: ~/BigData. Введение в экосистему Hadoop/6. ETL
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. . . . .> OUTPUTFORMAT 'org.apache.hadoop.hive.ql.io.HiveSequenceFileOutputFormat'
. . . . .> location '/user/student3_10/flm';
INFO : Compiling command(queryId=hive_20210503161756_6c63e831-6a8e-4bb4-9875-8e7414fc5328): create external table flm_logs (first string, second string, third string, fourth string, fifth string)
ROW FORMAT DELIMITED
FIELDS TERMINATED BY ';'
STORED AS INPUTFORMAT 'org.apache.hadoop.mapred.SequenceFileInputFormat'
OUTPUTFORMAT 'org.apache.hadoop.hive.ql.io.HiveSequenceFileOutputFormat'
location '/user/student3_10/flm'
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hive_20210503161756_6c63e831-6a8e-4bb4-9875-8e7414fc5328); Time taken: 0.017 seconds
INFO : Executing command(queryId=hive_20210503161756_6c63e831-6a8e-4bb4-9875-8e7414fc5328): create external table flm_logs (first string, second string, third string, fourth string, fifth string)
ROW FORMAT DELIMITED
FIELDS TERMINATED BY ';'
STORED AS INPUTFORMAT 'org.apache.hadoop.mapred.SequenceFileInputFormat'
OUTPUTFORMAT 'org.apache.hadoop.hive.ql.io.HiveSequenceFileOutputFormat'
location '/user/student3_10/flm'
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210503161756_6c63e831-6a8e-4bb4-9875-8e7414fc5328); Time taken: 0.05 seconds
INFO : OK
No rows affected (0,096 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp>
```

select * from flm_logs;

```
Терминал - igor@igor-MS-7808: ~/BigData. Введение в экосистему Hadoop/6. ETL
Файл  Правка  Вид  Терминал  Вкладки  Справка

FIELDS TERMINATED BY ';'
STORED AS INPUTFORMAT 'org.apache.hadoop.mapred.SequenceFileInputFormat'
OUTPUTFORMAT 'org.apache.hadoop.hive.ql.io.HiveSequenceFileOutputFormat'
location '/user/student3_10/flm'
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210503161756_6c63e831-6a8e-4bb4-9875-8e7414fc5328); Time taken: 0.05 seconds
INFO : OK
No rows affected (0,096 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> select * from flm_logs;
INFO : Compiling command(queryId=hive_20210503161857_9986458d-ec3b-46ae-b6b2-cdf84d9d1732): select * from flm_logs
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema(fieldSchemas:[FieldSchema(name:flm_logs.first, type:string, comment:null), FieldSchema(name:flm_logs.second, type:string, comment:null), FieldSchema(name:flm_logs.third, type:string, comment:null), FieldSchema(name:flm_logs.fourth, type:string, comment:null), FieldSchema(name:flm_logs.fifth, type:string, comment:null)], properties:null)
INFO : Completed compiling command(queryId=hive_20210503161857_9986458d-ec3b-46ae-b6b2-cdf84d9d1732); Time taken: 0.094 seconds
INFO : Executing command(queryId=hive_20210503161857_9986458d-ec3b-46ae-b6b2-cdf84d9d1732): select * from flm_logs
INFO : Completed executing command(queryId=hive_20210503161857_9986458d-ec3b-46ae-b6b2-cdf84d9d1732); Time taken: 0.001 seconds
INFO : OK
+-----+-----+-----+-----+-----+
| flm_logs.first | flm_logs.second | flm_logs.third | flm_logs.fourth | flm_logs.fifth |
+-----+-----+-----+-----+-----+
No rows selected (0,147 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp>
```