


```
Windows PowerShell
hduser@DESKTOP-635D6IV: ~\hive_test$ start-dfs.sh
Starting namenodes on [localhost]
Starting datanodes
Starting secondary namenodes [DESKTOP-635D6IV]
hduser@DESKTOP-635D6IV:~\hive_test$ start-yarn.sh
Starting resourcemanager
Starting nodemanagers
hduser@DESKTOP-635D6IV:~\hive_test$ hdfs dfs -mkdir /tmp
mkdir: `/tmp': File exists
hduser@DESKTOP-635D6IV:~\hive_test$ hdfs dfs -mkdir -p /user/hive/warehouse
hduser@DESKTOP-635D6IV:~\hive_test$ hdfs dfs -chmod g+w /tmp
hduser@DESKTOP-635D6IV:~\hive_test$ hdfs dfs -chmod g+w /user/hive/warehouse
hduser@DESKTOP-635D6IV:~\hive_test$ hdfs dfs -ls /
Found 2 items
drwxrwxr-x - hduser supergroup          0 2025-04-10 22:26 /tmp
drwxr-xr-x - hduser supergroup          0 2025-05-01 00:48 /user
hduser@DESKTOP-635D6IV:~\hive_test$ hdfs dfs -ls /user/hive
Found 1 items
drwxrwxr-x - hduser supergroup          0 2025-05-01 00:48 /user/hive/warehouse
hduser@DESKTOP-635D6IV:~\hive_test$ cd $HIVE_HOME/conf
hduser@DESKTOP-635D6IV:~\hive_test/apache-hive-4.0.0-bin/conf$ cp hive-env.sh.template hive-env.sh
hduser@DESKTOP-635D6IV:~\hive_test/apache-hive-4.0.0-bin/conf$ echo "HADOOP_HOME=${HADOOP_HOME}" >> hive-env.sh
hduser@DESKTOP-635D6IV:~\hive_test/apache-hive-4.0.0-bin/conf$ echo "export HIVE_CONF_DIR=${HIVE_HOME}/conf" >> hive-env.sh
hduser@DESKTOP-635D6IV:~\hive_test/apache-hive-4.0.0-bin/conf$
```

```
Windows PowerShell
> su hduser
Password:
hduser@DESKTOP-635D6IV:/home/shapelayer$ cd $HIVE_HOME/conf
hduser@DESKTOP-635D6IV:~\hive_test/apache-hive-4.0.0-bin/conf$ vi hive-env.sh
hduser@DESKTOP-635D6IV:~\hive_test/apache-hive-4.0.0-bin/conf$ tail -5 hive-env.sh

# Folder containing extra libraries required for hive compilation/execution can be controlled by:
# export HIVE_AUX_JARS_PATH=
HADOOP_HOME=/home/hduser/hadoop_test/hadoop-3.4.0
export HIVE_CONF_DIR=/home/hduser/hive_test/apache-hive-4.0.0-bin/conf
hduser@DESKTOP-635D6IV:~\hive_test/apache-hive-4.0.0-bin/conf$
```

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Windows PowerShell
x hduser@DESKTOP-635D6IV: ~ x hduser@DESKTOP-635D6IV: ~ x + v
Starting namenodes on [localhost]
Starting datanodes
Starting secondary namenodes [DESKTOP-635D6IV]
hduser@DESKTOP-635D6IV:~/hive_test$ start-yarn.sh
Starting resourcemanager
Starting nodemanagers
hduser@DESKTOP-635D6IV:~/hive_test$ hdfs dfs -mkdir /tmp
mkdir: `/tmp': File exists
hduser@DESKTOP-635D6IV:~/hive_test$ hdfs dfs -mkdir -p /user/hive/warehouse
hduser@DESKTOP-635D6IV:~/hive_test$ hdfs dfs -chmod g+w /tmp
hduser@DESKTOP-635D6IV:~/hive_test$ hdfs dfs -chmod g+w /user/hive/warehouse
hduser@DESKTOP-635D6IV:~/hive_test$ hdfs dfs -ls /
Found 2 items
drwxrwxr-x - hduser supergroup 0 2025-04-10 22:26 /tmp
drwxr-xr-x - hduser supergroup 0 2025-05-01 00:48 /user
hduser@DESKTOP-635D6IV:~/hive_test$ hdfs dfs -ls /user/hive
Found 1 items
drwxrwxr-x - hduser supergroup 0 2025-05-01 00:48 /user/hive/warehouse
hduser@DESKTOP-635D6IV:~/hive_test$ cd $HIVE_HOME/conf
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin/conf$ cp hive-env.sh.template hive-env.sh
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin/conf$ echo "HADOOP_HOME=${HADOOP_HOME}" >> hive-env.sh
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin/conf$ echo "export HIVE_CONF_DIR=${HIVE_HOME}/conf" >> hive-env.sh
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin/conf$ echo 'HADOOP_HOME=${HADOOP_HOME}' >> hive-env.sh
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin/conf$ echo 'export HIVE_CONF_DIR=${HIVE_HOME}/conf' >> hive-env.sh
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin/conf$

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Windows PowerShell
x hduser@DESKTOP-635D6IV: ~ x hduser@DESKTOP-635D6IV: ~ x + v
# export HADOOP_OPTS="$HADOOP_OPTS -XX:NewRatio=12 -Xms10m -XX:MaxHeapFreeRatio=40 -XX:MinHeapFreeRatio=15 -XX:-UseGCOverheadLimit"
# fi
# fi

# The heap size of the jvm started by hive shell script can be controlled via:
#
# export HADOOP_HEAPSIZE=1024
#
# Larger heap size may be required when running queries over large number of files or partitions.
# By default hive shell scripts use a heap size of 256 (MB). Larger heap size would also be
# appropriate for hive server.

# Set HADOOP_HOME to point to a specific hadoop install directory
# HADOOP_HOME=${bin}/../../hadoop

# Hive Configuration Directory can be controlled by:
# export HIVE_CONF_DIR=

# Folder containing extra libraries required for hive compilation/execution can be controlled by:
# export HIVE_AUX_JARS_PATH=
HADOOP_HOME=${HADOOP_HOME}
export HIVE_CONF_DIR=${HIVE_HOME}/conf
~
~
55,1 Bot

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Found 2 items
drwxrwxr-x - hduser supergroup          0 2025-04-10 22:26 /tmp
drwxr-xr-x - hduser supergroup          0 2025-05-01 00:48 /user
hduser@DESKTOP-635D6IV:~/hive_test$ hdfs dfs -ls /user/hive
Found 1 items
drwxrwxr-x - hduser supergroup          0 2025-05-01 00:48 /user/hive/warehouse
hduser@DESKTOP-635D6IV:~/hive_test$ cd $HIVE_HOME/conf
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin/conf$ cp hive-env.sh.template hive-env.sh
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin/conf$ echo "HADOOP_HOME=${HADOOP_HOME}" >> hive-env.sh
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin/conf$ echo "export HIVE_CONF_DIR=${HIVE_HOME}/conf" >> hive-env.sh
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin/conf$ echo 'HADOOP_HOME=${HADOOP_HOME}' >> hive-env.sh
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin/conf$ echo 'export HIVE_CONF_DIR=${HIVE_HOME}/conf' >> hive-env.sh
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin/conf$ cd ..
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin$ ls
LICENSE NOTICE RELEASE_NOTES.txt bin conf contrib examples hcatalog jdbc lib licenses licenses.xml scripts
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin$ cd etc
bash: cd: etc: No such file or directory
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin$ cd $HADOOP_HOME
hduser@DESKTOP-635D6IV:~/hadoop_test/hadoop-3.4.0$ cd etc
hduser@DESKTOP-635D6IV:~/hadoop_test/hadoop-3.4.0/etc$ ls
hadoop
hduser@DESKTOP-635D6IV:~/hadoop_test/hadoop-3.4.0/etc$ cd hadoop/
hduser@DESKTOP-635D6IV:~/hadoop_test/hadoop-3.4.0/etc/hadoop$ cp /mnt/c/Users/ShapeLayer/Desktop/core-site.diff.xml ~/
hduser@DESKTOP-635D6IV:~/hadoop_test/hadoop-3.4.0/etc/hadoop$ cat ~/core-site.diff.xml >> ./core-site.xml
hduser@DESKTOP-635D6IV:~/hadoop_test/hadoop-3.4.0/etc/hadoop$

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<!-- Put site-specific property overrides in this file. -->

<configuration>
  <property>
    <name>fs.defaultFS</name>
    <value>hdfs://localhost:9000</value>
  </property>
  <property>
    <name>hadoop.proxyuser.hduser.groups</name>
    <value>*</value>
  </property>
  <property>
    <name>hadoop.proxyuser.hduser.hosts</name>
    <value>*</value>
  </property>
  <property>
    <name>hadoop.proxyuser.server.hosts</name>
    <value>*</value>
  </property>
  <property>
    <name>hadoop.proxyuser.server.groups</name>
    <value>*</value>
  </property>
</configuration>
~
-- INSERT --
40,3 Bot

```

```
Windows PowerShell x hduser@DESKTOP-635D6IV: ~ x hduser@DESKTOP-635D6IV: ~ + v
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin$ schematool -dbType derby -initSchema
schematool: command not found
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin$ echo $PATH
/bin:/home/hduser/hadoop_test/hadoop-3.4.0/bin:/home/hduser/hadoop_test/hadoop-3.4.0/sbin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin$ vi ~/.bashrc
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin$ source ~/.bashrc
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin$ schematool -dbType derby -initSchema
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/home/hduser/hive_test/apache-hive-4.0.0-bin/lib/log4j-slf4j-impl-2.18.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/home/hduser/hadoop_test/hadoop-3.4.0/share/hadoop/common/lib/slf4j-reload4j-1.7.36.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]
Initializing the schema to: 4.0.0
Metastore connection URL: jdbc:derby;;databaseName=metastore_db;create=true
Metastore connection Driver : org.apache.derby.jdbc.EmbeddedDriver
Metastore connection User: APP
Starting metastore schema initialization to 4.0.0
Initialization script hive-schema-4.0.0.derby.sql
```

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Windows PowerShell x hduser@DESKTOP-635D6IV: ~ x hduser@DESKTOP-635D6IV: ~ + v
Initialization script completed
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin$
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Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

Initialization script completed
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin$ ls metastore_db
ls: cannot access 'metastore_db': No such file or directory
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin$ ls -al
total 280
drwxr-xr-x 12 hduser hadoop  4096 May  1 01:05 .
drwxr-xr-x  3 hduser hadoop  4096 May  1 00:45 ..
-rw-r--r--  1 hduser hadoop 18827 Jan 23  2020 LICENSE
-rw-r--r--  1 hduser hadoop  165 Jan 23  2020 NOTICE
-rw-r--r--  1 hduser hadoop 23396 Jan 23  2020 RELEASE_NOTES.txt
drwxr-xr-x  3 hduser hadoop  4096 May  1 00:45 bin
drwxr-xr-x  2 hduser hadoop  4096 May  1 01:02 conf
drwxr-xr-x  2 hduser hadoop  4096 May  1 00:45 contrib
-rw-r--r--  1 hduser hadoop 20088 May  1 01:05 derby.log
drwxr-xr-x  4 hduser hadoop  4096 May  1 00:45 examples
drwxr-xr-x  7 hduser hadoop  4096 May  1 00:45 hcatalog
drwxr-xr-x  2 hduser hadoop  4096 May  1 00:45 jdbc
drwxr-xr-x  4 hduser hadoop 20480 May  1 00:45 lib
drwxr-xr-x  2 hduser hadoop  4096 May  1 00:45 licenses
-rw-r--r--  1 hduser hadoop 148405 Jan 23  2020 licenses.xml
drwxr-xr-x  5 hduser hadoop  4096 May  1 01:05 metastore_db
drwxr-xr-x  4 hduser hadoop  4096 May  1 00:45 scripts
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin$

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Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

Starting datanodes
Starting secondary namenodes [DESKTOP-635D6IV]
Starting resourcemanager
Starting nodemanagers
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin$ hiveserver2
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/home/hduser/hive_test/apache-hive-4.0.0-bin/lib/log4j-slf4j-impl-2.18.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/home/hduser/hadoop_test/hadoop-3.4.0/share/hadoop/common/lib/slf4j-reload4j-1.7.36.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]
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/home/hduser/hive_test/apache-hive-4.0.0-bin/lib/log4j-slf4j-impl-2.18.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/home/hduser/hadoop_test/hadoop-3.4.0/share/hadoop/common/lib/slf4j-reload4j-1.7.36.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]
2025-05-01 01:08:11: Starting HiveServer2
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/home/hduser/hive_test/apache-hive-4.0.0-bin/lib/log4j-slf4j-impl-2.18.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/home/hduser/hadoop_test/hadoop-3.4.0/share/hadoop/common/lib/slf4j-reload4j-1.7.36.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]

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Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin/conf$ ss -ltn | grep "10000\|10002"
LISTEN 0      50          *:10000     *:10000
LISTEN 0      50          *:10002     *:10002
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin/conf$

```

```

Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin/conf$ ss -ltn | grep "10000\|10002"
LISTEN 0      50          *:10000     *:10000
LISTEN 0      50          *:10002     *:10002
hduser@DESKTOP-635D6IV:~/hive_test/apache-hive-4.0.0-bin/conf$ cd ~/hive_test
hduser@DESKTOP-635D6IV:~/hive_test$ beeline -n hduser -u jdbc:hive2://localhost:10000
beeline: command not found
hduser@DESKTOP-635D6IV:~/hive_test$ echo $PATH
/bin:/home/hduser/hadoop_test/hadoop-3.4.0/bin:/home/hduser/hadoop_test/hadoop-3.4.0/sbin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin
hduser@DESKTOP-635D6IV:~/hive_test$ source ~/.bashrc
hduser@DESKTOP-635D6IV:~/hive_test$ beeline
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/home/hduser/hive_test/apache-hive-4.0.0-bin/lib/log4j-slf4j-impl-2.18.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/home/hduser/hadoop_test/hadoop-3.4.0/share/hadoop/common/lib/slf4j-reload4j-1.7.36.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]
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/home/hduser/hive_test/apache-hive-4.0.0-bin/lib/log4j-slf4j-impl-2.18.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/home/hduser/hadoop_test/hadoop-3.4.0/share/hadoop/common/lib/slf4j-reload4j-1.7.36.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]
^Chduser@DESKTOP-635D6IV:~/hive_test$ beeline -n hduser -u jdbc:hive2://localhost:10000
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/home/hduser/hive_test/apache-hive-4.0.0-bin/lib/log4j-slf4j-impl-2.18.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]

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Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

SLF4J: Found binding in [jar:file:/home/hduser/hadoop_test/hadoop-3.4.0/share/hadoop/common/lib/slf4j-reload4j-1.7.36.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]
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/home/hduser/hive_test/apache-hive-4.0.0-bin/lib/log4j-slf4j-impl-2.18.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/home/hduser/hadoop_test/hadoop-3.4.0/share/hadoop/common/lib/slf4j-reload4j-1.7.36.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://localhost:10000
Connected to: Apache Hive (version 4.0.0)
Driver: Hive JDBC (version 4.0.0)
Transaction isolation: TRANSACTION_REPEATABLE_READ
Beeline version 4.0.0 by Apache Hive
0: jdbc:hive2://localhost:10000> !table
+-----+
| TABLE_CAT | TABLE_SCHEM | TABLE_NAME | TABLE_TYPE | REMARKS | TYPE_CAT | TYPE_SCHEM | TYPE_NAME | SELF_REFERENCING_COL_NAME | REF_GENERATION |
+-----+
+-----+
0: jdbc:hive2://localhost:10000> !quit
Closing: 0: jdbc:hive2://localhost:10000
hduser@DESKTOP-635D6IV:~/hive_test$

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Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

r!/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]
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/home/hduser/hive_test/apache-hive-4.0.0-bin/lib/log4j-slf4j-impl-2.18.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/home/hduser/hadoop_test/hadoop-3.4.0/share/hadoop/common/lib/slf4j-reload4j-1.7.36.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://localhost:10000
Connected to: Apache Hive (version 4.0.0)
Driver: Hive JDBC (version 4.0.0)
Transaction isolation: TRANSACTION_REPEATABLE_READ
Beeline version 4.0.0 by Apache Hive
0: jdbc:hive2://localhost:10000> !sh ls
apache-hive-4.0.0-bin
apache-hive-4.0.0-bin.tar.gz
0: jdbc:hive2://localhost:10000> dfs -ls / ;
+-----+
| DFS Output |
+-----+
| Found 2 items |
| drwxrwxr-x - hduser supergroup 0 2025-05-01 01:08 /tmp |
| drwxr-xr-x - hduser supergroup 0 2025-05-01 00:48 /user |
+-----+
3 rows selected (0.319 seconds)
0: jdbc:hive2://localhost:10000>

```


[Ch 3-3]

```

Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

0: jdbc:hive2://localhost:10000> dfs -ls / ;

+-----+
|               DFS Output               |
+-----+
| Found 2 items                           |
| drwxrwxr-x - hduser supergroup          0 2025-05-01 01:08 /tmp |
| drwxr-xr-x - hduser supergroup          0 2025-05-01 00:48 /user |
+-----+

3 rows selected (0.319 seconds)
0: jdbc:hive2://localhost:10000> show databases;
INFO : Compiling command(queryId=hduser_20250501011636_2f7df405-6ad7-413d-8224-da500e68df74): show databases
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:[FieldSchema(name:database_name, type:string, comment:from deserializer)], properties:null)
INFO : Completed compiling command(queryId=hduser_20250501011636_2f7df405-6ad7-413d-8224-da500e68df74); Time taken: 1.723 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501011636_2f7df405-6ad7-413d-8224-da500e68df74): show databases
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501011636_2f7df405-6ad7-413d-8224-da500e68df74); Time taken: 0.088 seconds

+-----+
| database_name |
+-----+
| default       |
+-----+

1 row selected (2.2 seconds)
0: jdbc:hive2://localhost:10000>

```

```

Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

0: jdbc:hive2://localhost:10000> describe database default;
INFO : Compiling command(queryId=hduser_20250501011651_73ef5230-adbc-49b5-af1d-ac86d6e7c610): describe database default
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:[FieldSchema(name:db_name, type:string, comment:from deserializer), FieldSchema(name:comment, type:string, comment:from deserializer), FieldSchema(name:location, type:string, comment:from deserializer), FieldSchema(name:managedlocation, type:string, comment:from deserializer), FieldSchema(name:owner_name, type:string, comment:from deserializer), FieldSchema(name:owner_type, type:string, comment:from deserializer), FieldSchema(name:connector_name, type:string, comment:from deserializer), FieldSchema(name:remote_dbname, type:string, comment:from deserializer)], properties:null)
INFO : Completed compiling command(queryId=hduser_20250501011651_73ef5230-adbc-49b5-af1d-ac86d6e7c610); Time taken: 0.059 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501011651_73ef5230-adbc-49b5-af1d-ac86d6e7c610): describe database default
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501011651_73ef5230-adbc-49b5-af1d-ac86d6e7c610); Time taken: 0.023 seconds

+-----+
| db_name | comment | location | managedlocation |
| owner_name | owner_type | connector_name | remote_dbname |
+-----+
| default | Default Hive database | hdfs://localhost:9000/user/hive/warehouse | hdfs://localhost:9000/user/hive/warehouse |
| public | ROLE | | |
+-----+

1 row selected (0.112 seconds)
0: jdbc:hive2://localhost:10000>

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Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

INFO : Completed executing command(queryId=hduser_20250501011651_73ef5230-adbc-49b5-af1d-ac86d6e7c610); Time taken: 0.023 seconds

+-----+-----+-----+-----+-----+
| db_name | comment | location | managedlocation |
| owner_name | owner_type | connector_name | remote_dbname |
+-----+-----+-----+-----+
| default | Default Hive database | hdfs://localhost:9000/user/hive/warehouse | hdfs://localhost:9000/user/hive/warehouse | public | ROLE |
+-----+-----+-----+-----+

1 row selected (0.112 seconds)
0: jdbc:hive2://localhost:10000> create table test (name string, salary int);
INFO : Compiling command(queryId=hduser_20250501011657_d69ded07-04d1-4bd3-b88f-e53beb3b0ab7): create table test (name string, salary int)
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hduser_20250501011657_d69ded07-04d1-4bd3-b88f-e53beb3b0ab7); Time taken: 0.043 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501011657_d69ded07-04d1-4bd3-b88f-e53beb3b0ab7): create table test (name string, salary int)
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501011657_d69ded07-04d1-4bd3-b88f-e53beb3b0ab7); Time taken: 0.281 seconds
No rows affected (0.336 seconds)
0: jdbc:hive2://localhost:10000>

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Windows PowerShell
hduser@DESKTOP-635D6IV: ~
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43 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501011657_d69ded07-04d1-4bd3-b88f-e53beb3b0ab7): create table test (name string, salary int)
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501011657_d69ded07-04d1-4bd3-b88f-e53beb3b0ab7); Time taken: 0.281 seconds
No rows affected (0.336 seconds)
0: jdbc:hive2://localhost:10000> show tables
. . . . .>
INFO : Compiling command(queryId=hduser_20250501011705_d4829ce1-ffff-4d12-be90-aee68218220d): show tables
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:[FieldSchema(name:tab_name, type:string, comment:from deserializer)], properties:null)
INFO : Completed compiling command(queryId=hduser_20250501011705_d4829ce1-ffff-4d12-be90-aee68218220d); Time taken: 0.011 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501011705_d4829ce1-ffff-4d12-be90-aee68218220d): show tables
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501011705_d4829ce1-ffff-4d12-be90-aee68218220d); Time taken: 0.083 seconds
+-----+
| tab_name |
+-----+
| test     |
+-----+

1 row selected (0.117 seconds)
0: jdbc:hive2://localhost:10000>

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Windows PowerShell
x hduser@DESKTOP-635D6IV: ~ x hduser@DESKTOP-635D6IV: ~ + v
83 seconds
+-----+
| tab_name |
+-----+
| test     |
+-----+
1 row selected (0.117 seconds)
0: jdbc:hive2://localhost:10000> describe test;
INFO : Compiling command(queryId=hduser_20250501011724_be3ccd1c-7240-4a99-9aee-eebcb902b4c): describe test
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:[FieldSchema(name:col_name, type:string, comment:from deserializer), FieldSchema(name:data_type, type:string, comment:from deserializer), FieldSchema(name:comment, type:string, comment:from deserializer)], properties:null)
INFO : Completed compiling command(queryId=hduser_20250501011724_be3ccd1c-7240-4a99-9aee-eebcb902b4c); Time taken: 0.12 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501011724_be3ccd1c-7240-4a99-9aee-eebcb902b4c): describe test
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501011724_be3ccd1c-7240-4a99-9aee-eebcb902b4c); Time taken: 0.036 seconds
+-----+-----+-----+
| col_name | data_type | comment |
+-----+-----+-----+
| name     | string   |         |
| salary   | int      |         |
+-----+-----+-----+
2 rows selected (0.177 seconds)
0: jdbc:hive2://localhost:10000>

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Windows PowerShell
x hduser@DESKTOP-635D6IV: ~ x hduser@DESKTOP-635D6IV: ~ + v
eserializer]], properties:null)
INFO : Completed compiling command(queryId=hduser_20250501011724_be3ccd1c-7240-4a99-9aee-eebcb902b4c); Time taken: 0.12 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501011724_be3ccd1c-7240-4a99-9aee-eebcb902b4c): describe test
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501011724_be3ccd1c-7240-4a99-9aee-eebcb902b4c); Time taken: 0.036 seconds
+-----+-----+-----+
| col_name | data_type | comment |
+-----+-----+-----+
| name     | string   |         |
| salary   | int      |         |
+-----+-----+-----+
2 rows selected (0.177 seconds)
0: jdbc:hive2://localhost:10000> create database test;
INFO : Compiling command(queryId=hduser_20250501011732_a928b75e-21cd-445d-94ae-bd69d2f013db): create database test
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hduser_20250501011732_a928b75e-21cd-445d-94ae-bd69d2f013db); Time taken: 0.003 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501011732_a928b75e-21cd-445d-94ae-bd69d2f013db): create database test
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501011732_a928b75e-21cd-445d-94ae-bd69d2f013db); Time taken: 0.032 seconds
No rows affected (0.045 seconds)
0: jdbc:hive2://localhost:10000>

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| salary | int |
+-----+
2 rows selected (0.177 seconds)
0: jdbc:hive2://localhost:10000> create database test;
INFO : Compiling command(queryId=hduser_20250501011732_a928b75e-21cd-445d-94ae-bd69d2f013db): create database test
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hduser_20250501011732_a928b75e-21cd-445d-94ae-bd69d2f013db); Time taken: 0.0
03 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501011732_a928b75e-21cd-445d-94ae-bd69d2f013db): create database test
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501011732_a928b75e-21cd-445d-94ae-bd69d2f013db); Time taken: 0.0
32 seconds
No rows affected (0.045 seconds)
0: jdbc:hive2://localhost:10000> use test;
INFO : Compiling command(queryId=hduser_20250501011743_3a1fa594-f193-4bda-8976-93572ec3e67a): use test
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hduser_20250501011743_3a1fa594-f193-4bda-8976-93572ec3e67a); Time taken: 0.0
05 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501011743_3a1fa594-f193-4bda-8976-93572ec3e67a): use test
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501011743_3a1fa594-f193-4bda-8976-93572ec3e67a); Time taken: 0.0
09 seconds
No rows affected (0.03 seconds)
0: jdbc:hive2://localhost:10000>

```

```

No rows affected (0.045 seconds)
0: jdbc:hive2://localhost:10000> use test;
INFO : Compiling command(queryId=hduser_20250501011743_3a1fa594-f193-4bda-8976-93572ec3e67a): use test
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hduser_20250501011743_3a1fa594-f193-4bda-8976-93572ec3e67a); Time taken: 0.0
05 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501011743_3a1fa594-f193-4bda-8976-93572ec3e67a): use test
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501011743_3a1fa594-f193-4bda-8976-93572ec3e67a); Time taken: 0.0
09 seconds
No rows affected (0.03 seconds)
0: jdbc:hive2://localhost:10000> create table test1 (name string, salary int);
INFO : Compiling command(queryId=hduser_20250501011751_a3889cbf-78f1-4860-97e6-9acd7057bffc): create table test1 (name
string, salary int)
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hduser_20250501011751_a3889cbf-78f1-4860-97e6-9acd7057bffc); Time taken: 0.0
06 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501011751_a3889cbf-78f1-4860-97e6-9acd7057bffc): create table test1 (name
string, salary int)
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501011751_a3889cbf-78f1-4860-97e6-9acd7057bffc); Time taken: 0.0
89 seconds
No rows affected (0.107 seconds)
0: jdbc:hive2://localhost:10000>

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Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501011751_a3889cbf-78f1-4860-97e6-9acd7057bffc): create table test1 (name
string, salary int)
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501011751_a3889cbf-78f1-4860-97e6-9acd7057bffc); Time taken: 0.0
89 seconds
No rows affected (0.107 seconds)
0: jdbc:hive2://localhost:10000> describe test1;
INFO : Compiling command(queryId=hduser_20250501011757_0f12523e-588e-44dd-a4a0-c880440e5fd3): describe test1
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:[FieldSchema(name:col_name, type:string, comment:from deserializer), Fi
eldSchema(name:data_type, type:string, comment:from deserializer), FieldSchema(name:comment, type:string, comment:from d
eserializer)], properties:null)
INFO : Completed compiling command(queryId=hduser_20250501011757_0f12523e-588e-44dd-a4a0-c880440e5fd3); Time taken: 0.0
2 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501011757_0f12523e-588e-44dd-a4a0-c880440e5fd3): describe test1
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501011757_0f12523e-588e-44dd-a4a0-c880440e5fd3); Time taken: 0.0
21 seconds
+-----+
| col_name | data_type | comment |
+-----+
| name     | string   |         |
| salary   | int      |         |
+-----+
2 rows selected (0.061 seconds)
0: jdbc:hive2://localhost:10000>

```

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Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

+-----+
| name     | data_type | comment |
+-----+
| name     | string   |         |
| salary   | int      |         |
+-----+
2 rows selected (0.061 seconds)
0: jdbc:hive2://localhost:10000> dfs -ls /user/hive/warehouse/;
+-----+
| DFS Output |
+-----+
| Found 2 items |
| drwxr-xr-x - hduser supergroup 0 2025-05-01 01:16 /user/hive/warehouse/test |
| drwxr-xr-x - hduser supergroup 0 2025-05-01 01:17 /user/hive/warehouse/test.db |
+-----+
3 rows selected (0.02 seconds)
0: jdbc:hive2://localhost:10000> dfs -ls /user/hive/warehouse/test;
+-----+
| DFS Output |
+-----+
No rows selected (0.014 seconds)
0: jdbc:hive2://localhost:10000> dfs -ls /user/hive/warehouse/test.db;
+-----+
| DFS Output |
+-----+
| Found 1 items |
| drwxr-xr-x - hduser supergroup 0 2025-05-01 01:17 /user/hive/warehouse/test.db/test1 |
+-----+
2 rows selected (0.029 seconds)
0: jdbc:hive2://localhost:10000>

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Windows PowerShell
x hduser@DESKTOP-635D6IV: ~ x hduser@DESKTOP-635D6IV: ~ x hduser@DESKTOP-635D6IV: ~ + - □ ×

INFO : Created Hive schema: Schema(fieldSchemas:[FieldSchema(name:test.name, type:string, comment:null), FieldSchema(name:test.salary, type:int, comment:null)], properties:null)
INFO : Completed compiling command(queryId=hduser_20250501012515_54a0cef6-91ec-4d2e-9150-fc716355e9c3); Time taken: 1.737 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501012515_54a0cef6-91ec-4d2e-9150-fc716355e9c3): select * from test
INFO : Completed executing command(queryId=hduser_20250501012515_54a0cef6-91ec-4d2e-9150-fc716355e9c3); Time taken: 0.0 seconds

+-----+-----+
| test.name | test.salary |
+-----+-----+
| Peter,1000 | NULL        |
| David,1500 | NULL        |
| Paul,2000  | NULL        |
| Nina,1200  | NULL        |
| Michael,800| NULL        |
+-----+-----+
6 rows selected (1.867 seconds)
0: jdbc:hive2://localhost:10000> dfs -ls /user/hive/warehouse/test;

+-----+-----+
| DFS Output |
+-----+-----+
| Found 1 items |
| -rw-r--r--  1 hduser supergroup      55 2025-05-01 01:23 /user/hive/warehouse/test/test.dat |
+-----+-----+
2 rows selected (0.019 seconds)
0: jdbc:hive2://localhost:10000>

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Windows PowerShell
x hduser@DESKTOP-635D6IV: ~ x hduser@DESKTOP-635D6IV: ~ x hduser@DESKTOP-635D6IV: ~ + - □ ×

INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501013015_21950d91-ceb0-4e3d-8ef7-2b3547a60832); Time taken: 0.049 seconds
No rows affected (0.142 seconds)
0: jdbc:hive2://localhost:10000> select * from test;
INFO : Compiling command(queryId=hduser_20250501013022_5cd85540-2df3-43dc-a98e-fb30964f6f99): select * from test
INFO : No Stats for default@test, Columns: name, salary
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:[FieldSchema(name:test.name, type:string, comment:null), FieldSchema(name:test.salary, type:int, comment:null)], properties:null)
INFO : Completed compiling command(queryId=hduser_20250501013022_5cd85540-2df3-43dc-a98e-fb30964f6f99); Time taken: 0.129 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501013022_5cd85540-2df3-43dc-a98e-fb30964f6f99): select * from test
INFO : Completed executing command(queryId=hduser_20250501013022_5cd85540-2df3-43dc-a98e-fb30964f6f99); Time taken: 0.0 seconds

+-----+-----+
| test.name | test.salary |
+-----+-----+
| Peter     | 1000        |
| David     | 1500        |
| Paul      | 2000        |
| Nina      | 1200        |
| Michael   | 800         |
|           | NULL        |
+-----+-----+
6 rows selected (0.195 seconds)
0: jdbc:hive2://localhost:10000>

```

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Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

| Nina      | 1200      |
| Michael   | 800       |
|           | NULL      |
+-----+
6 rows selected (0.171 seconds)
0: jdbc:hive2://localhost:10000> select name from test;
INFO : Compiling command(queryId=hduser_20250501013102_e56bc2a4-f479-4b79-8964-6a323b7b992f): select name from test
INFO : No Stats for default@test, Columns: name
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:[FieldSchema(name=name, type:string, comment:null)], properties:null)
INFO : Completed compiling command(queryId=hduser_20250501013102_e56bc2a4-f479-4b79-8964-6a323b7b992f); Time taken: 0.1
19 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501013102_e56bc2a4-f479-4b79-8964-6a323b7b992f): select name from test
INFO : Completed executing command(queryId=hduser_20250501013102_e56bc2a4-f479-4b79-8964-6a323b7b992f); Time taken: 0.0
seconds
+-----+
| name      |
+-----+
| Peter      |
| David      |
| Paul       |
| Nina       |
| Michael    |
|           |
+-----+
6 rows selected (0.147 seconds)
0: jdbc:hive2://localhost:10000>

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Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

+-----+
6 rows selected (0.147 seconds)
0: jdbc:hive2://localhost:10000> select salary as col1, name from test;
INFO : Compiling command(queryId=hduser_20250501013107_d90fb37e-7de4-42c6-992f-3308636edb9a): select salary as col1, na
me from test
INFO : No Stats for default@test, Columns: name, salary
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:[FieldSchema(name=col1, type:int, comment:null), FieldSchema(name=name,
type:string, comment:null)], properties:null)
INFO : Completed compiling command(queryId=hduser_20250501013107_d90fb37e-7de4-42c6-992f-3308636edb9a); Time taken: 0.1
05 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501013107_d90fb37e-7de4-42c6-992f-3308636edb9a): select salary as col1, na
me from test
INFO : Completed executing command(queryId=hduser_20250501013107_d90fb37e-7de4-42c6-992f-3308636edb9a); Time taken: 0.0
01 seconds
+-----+
| col1      | name      |
+-----+
| 1000      | Peter      |
| 1500      | David      |
| 2000      | Paul       |
| 1200      | Nina       |
| 800       | Michael    |
| NULL      |           |
+-----+
6 rows selected (0.138 seconds)
0: jdbc:hive2://localhost:10000>

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Windows PowerShell
| 1200 | Nina |
| 800 | Michael |
| NULL |
+-----+
6 rows selected (0.138 seconds)
0: jdbc:hive2://localhost:10000> select * from test where salary > 1300 or salary < 1000;
INFO : Compiling command(queryId=hduser_20250501013127_bb6ea652-650b-4c12-b984-36a9a198ea6c): select * from test where
salary > 1300 or salary < 1000
INFO : No Stats for default@test, Columns: name, salary
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:[FieldSchema(name:test.name, type:string, comment:null), FieldSchema(na
me:test.salary, type:int, comment:null)], properties:null)
INFO : Completed compiling command(queryId=hduser_20250501013127_bb6ea652-650b-4c12-b984-36a9a198ea6c); Time taken: 0.3
35 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501013127_bb6ea652-650b-4c12-b984-36a9a198ea6c): select * from test where
salary > 1300 or salary < 1000
INFO : Completed executing command(queryId=hduser_20250501013127_bb6ea652-650b-4c12-b984-36a9a198ea6c); Time taken: 0.0
seconds
+-----+-----+
| test.name | test.salary |
+-----+-----+
| David | 1500 |
| Paul | 2000 |
| Michael | 800 |
+-----+-----+
3 rows selected (0.375 seconds)
0: jdbc:hive2://localhost:10000>

```

```

Windows PowerShell
72 seconds
No rows affected (0.594 seconds)
0: jdbc:hive2://localhost:10000> select * from test_internal;
INFO : Compiling command(queryId=hduser_20250501013312_748599ca-d49d-43b9-b303-04c5f28d5883): select * from test_intern
al
INFO : No Stats for default@test_internal, Columns: name, salary
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:[FieldSchema(name:test_internal.name, type:string, comment:null), Field
Schema(name:test_internal.salary, type:int, comment:null)], properties:null)
INFO : Completed compiling command(queryId=hduser_20250501013312_748599ca-d49d-43b9-b303-04c5f28d5883); Time taken: 0.1
26 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501013312_748599ca-d49d-43b9-b303-04c5f28d5883): select * from test_intern
al
INFO : Completed executing command(queryId=hduser_20250501013312_748599ca-d49d-43b9-b303-04c5f28d5883); Time taken: 0.0
seconds
+-----+-----+
| test_internal.name | test_internal.salary |
+-----+-----+
| Peter | 1000 |
| David | 1500 |
| Paul | 2000 |
| Nina | 1200 |
| Michael | 800 |
| | NULL |
+-----+-----+
6 rows selected (0.158 seconds)
0: jdbc:hive2://localhost:10000>

```



```

Windows PowerShell
x hduser@DESKTOP-635D6IV: ~ x hduser@DESKTOP-635D6IV: ~ x hduser@DESKTOP-635D6IV: ~ x + - □ X

37 seconds
No rows affected (0.07 seconds)
0: jdbc:hive2://localhost:10000> load data local inpath '/home/hduser/hive_test/data/test1.dat'
... ..> overwrite into table test_external;
Error: Error while compiling statement: FAILED: SemanticException Line 1:23 Invalid path ''/home/hduser/hive_test/data/t
est1.dat': No files matching path file:/home/hduser/hive_test/data/test1.dat (state=42000,code=40000)
0: jdbc:hive2://localhost:10000> load data local inpath '/home/hduser/hive_test/data/test1.dat'
... ..> overwrite into table test_external;
INFO : Compiling command(queryId=hduser_20250501013524_b1e39326-0a6e-4da0-8223-108c154cda57): load data local inpath '/
home/hduser/hive_test/data/test1.dat'
overwrite into table test_external
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hduser_20250501013524_b1e39326-0a6e-4da0-8223-108c154cda57); Time taken: 0.0
11 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501013524_b1e39326-0a6e-4da0-8223-108c154cda57): load data local inpath '/
home/hduser/hive_test/data/test1.dat'
overwrite into table test_external
INFO : Starting task [Stage-0:MOVE] in serial mode
INFO : Loading data to table default.test_external from file:/home/hduser/hive_test/data/test1.dat
INFO : Starting task [Stage-1:STATS] in serial mode
INFO : Executing stats task
INFO : Table default.test_external stats: [numFiles=1, numRows=0, totalSize=64, rawDataSize=0, numFilesErasureCoded=0]
INFO : Completed executing command(queryId=hduser_20250501013524_b1e39326-0a6e-4da0-8223-108c154cda57); Time taken: 0.5
72 seconds
No rows affected (0.592 seconds)
0: jdbc:hive2://localhost:10000>

```

```

Windows PowerShell
x hduser@DESKTOP-635D6IV: ~ x hduser@DESKTOP-635D6IV: ~ x hduser@DESKTOP-635D6IV: ~ x + - □ X

88 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501013541_037b3b76-90db-4a3b-9684-393aaeae3ac8): select * from test_extern
al
INFO : Completed executing command(queryId=hduser_20250501013541_037b3b76-90db-4a3b-9684-393aaeae3ac8); Time taken: 0.0
seconds

+-----+-----+
| test_external.name | test_external.salary |
+-----+-----+
| peter              | 1000                  |
| david              | 1500                  |
| paul               | 2000                  |
| nina               | 1200                  |
| michael            | 800                   |
| eros               | 1300                  |
+-----+-----+

6 rows selected (0.119 seconds)
0: jdbc:hive2://localhost:10000> dfs -ls /user/hive/warehouse;

+-----+-----+
| DFS Output |
+-----+-----+
| Found 3 items |
| drwxr-xr-x - hduser supergroup 0 2025-05-01 01:23 /user/hive/warehouse/test |
| drwxr-xr-x - hduser supergroup 0 2025-05-01 01:17 /user/hive/warehouse/test.db |
| drwxr-xr-x - hduser supergroup 0 2025-05-01 01:33 /user/hive/warehouse/test_internal |
+-----+-----+

4 rows selected (0.026 seconds)
0: jdbc:hive2://localhost:10000>

```

```
Windows PowerShell
+-----+
| peter      | 1000 |
| david      | 1500 |
| paul       | 2000 |
| nina       | 1200 |
| michael    | 800  |
| eros       | 1300 |
+-----+
6 rows selected (0.119 seconds)
0: jdbc:hive2://localhost:10000> dfs -ls /user/hive/warehouse;
+-----+
| DFS Output |
+-----+
| Found 3 items |
| drwxr-xr-x - hduser supergroup 0 2025-05-01 01:23 /user/hive/warehouse/test |
| drwxr-xr-x - hduser supergroup 0 2025-05-01 01:17 /user/hive/warehouse/test.db |
| drwxr-xr-x - hduser supergroup 0 2025-05-01 01:33 /user/hive/warehouse/test_internal |
+-----+
4 rows selected (0.026 seconds)
0: jdbc:hive2://localhost:10000> dfs -ls /output;
+-----+
| DFS Output |
+-----+
| Found 1 items |
| -rw-r--r-- 1 hduser supergroup 64 2025-05-01 01:35 /output/test1.dat |
+-----+
2 rows selected (0.016 seconds)
0: jdbc:hive2://localhost:10000> █
```

[Ch 3-4]

```

Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

2 rows selected (0.011 seconds)
0: jdbc:hive2://localhost:10000> create table cte_test as with
. . . . .> r1 as (select name from test where name = 'peter'),
. . . . .> r2 as (select name from test where salary < 1300)
. . . . .> select * from r1 union all select * from r2;
INFO : Compiling command(queryId=hduser_20250501013840_d3728a26-e71e-4f5c-80f4-a4901c8cb95c): create table cte_test as
with
r1 as (select name from test where name = 'peter'),
r2 as (select name from test where salary < 1300)
select * from r1 union all select * from r2
INFO : No Stats for default@test, Columns: name
INFO : No Stats for default@test, Columns: salary
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:[FieldSchema(name=name, type:string, comment:null)], properties:null)
INFO : Completed compiling command(queryId=hduser_20250501013840_d3728a26-e71e-4f5c-80f4-a4901c8cb95c); Time taken: 0.6
89 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501013840_d3728a26-e71e-4f5c-80f4-a4901c8cb95c): create table cte_test as
with
r1 as (select name from test where name = 'peter'),
r2 as (select name from test where salary < 1300)
select * from r1 union all select * from r2
WARN : Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different e
xecution engine (i.e. tez) or using Hive 1.X releases.
INFO : Query ID = hduser_20250501013840_d3728a26-e71e-4f5c-80f4-a4901c8cb95c
INFO : Total jobs = 3
INFO : Launching Job 1 out of 3

```

```

Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

INFO : 2025-05-01 01:38:52,594 Stage-1 map = 0%, reduce = 0%
INFO : 2025-05-01 01:38:59,842 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 4.67 sec
INFO : 2025-05-01 01:39:07,072 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 10.01 sec
INFO : MapReduce Total cumulative CPU time: 10 seconds 10 msec
INFO : Ended Job = job_1746029259565_0002
INFO : Starting task [Stage-7:CONDITIONAL] in serial mode
INFO : Stage-4 is selected by condition resolver.
INFO : Stage-3 is filtered out by condition resolver.
INFO : Stage-5 is filtered out by condition resolver.
INFO : Starting task [Stage-4:MOVE] in serial mode
INFO : Moving data to directory hdfs://localhost:9000/user/hive/warehouse/.hive-staging_hive_2025-05-01_01-38-40_632_86
80496810237114106-3/-ext-10002 from hdfs://localhost:9000/user/hive/warehouse/.hive-staging_hive_2025-05-01_01-38-40_632
_8680496810237114106-3/-ext-10004
INFO : Starting task [Stage-0:MOVE] in serial mode
INFO : Moving data to directory hdfs://localhost:9000/user/hive/warehouse/cte_test from hdfs://localhost:9000/user/hive
/warehouse/.hive-staging_hive_2025-05-01_01-38-40_632_8680496810237114106-3/-ext-10002
INFO : Starting task [Stage-9:DDL] in serial mode
INFO : Starting task [Stage-2:STATS] in serial mode
INFO : Executing stats task
INFO : Table default.cte_test stats: [numFiles=1, numRows=3, totalSize=19, rawDataSize=16, numFilesErasureCoded=0]
INFO : MapReduce Jobs Launched:
INFO : Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 10.01 sec HDFS Read: 20391 HDFS Write: 256 HDFS EC Read: 0
SUCCESS
INFO : Total MapReduce CPU Time Spent: 10 seconds 10 msec
INFO : Completed executing command(queryId=hduser_20250501013840_d3728a26-e71e-4f5c-80f4-a4901c8cb95c); Time taken: 28.
082 seconds
6 rows affected (28.783 seconds)
0: jdbc:hive2://localhost:10000>

```

```

Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

INFO : Table default.cte_test stats: [numFiles=1, numRows=3, totalSize=19, rawDataSize=16, numFilesErasureCoded=0]
INFO : MapReduce Jobs Launched:
INFO : Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 10.01 sec HDFS Read: 20391 HDFS Write: 256 HDFS EC Read: 0
SUCCESS
INFO : Total MapReduce CPU Time Spent: 10 seconds 10 msec
INFO : Completed executing command(queryId=hduser_20250501013840_d3728a26-e71e-4f5c-80f4-a4901c8cb95c); Time taken: 28.082 seconds
6 rows affected (28.783 seconds)
0: jdbc:hive2://localhost:10000> select * from cte_test;
INFO : Compiling command(queryId=hduser_20250501014113_9f89bf2e-539c-4abd-9d22-d7458349ca2e): select * from cte_test
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:[FieldSchema(name:cte_test.name, type:string, comment:null)], properties:null)
INFO : Completed compiling command(queryId=hduser_20250501014113_9f89bf2e-539c-4abd-9d22-d7458349ca2e); Time taken: 0.126 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501014113_9f89bf2e-539c-4abd-9d22-d7458349ca2e): select * from cte_test
INFO : Completed executing command(queryId=hduser_20250501014113_9f89bf2e-539c-4abd-9d22-d7458349ca2e); Time taken: 0.0seconds
+-----+
| cte_test.name |
+-----+
| Peter         |
| Nina         |
| Michael      |
+-----+
3 rows selected (0.149 seconds)
0: jdbc:hive2://localhost:10000>

```

```

Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

3 rows selected (0.149 seconds)
0: jdbc:hive2://localhost:10000> create table cte_test_dist as with
. . . . .> r1 as (select name from test where name = 'peter'),
. . . . .> r2 as (select name from test where salary < 1300)
. . . . .> select distinct *
. . . . .> from (select * from r1 union all select * from r2) union_set;
INFO : Compiling command(queryId=hduser_20250501014118_7d076ab3-3bdb-4842-b016-f63c58347815): create table cte_test_dist as with
r1 as (select name from test where name = 'peter'),
r2 as (select name from test where salary < 1300)
select distinct *
from (select * from r1 union all select * from r2) union_set
INFO : No Stats for default@test, Columns: name
INFO : No Stats for default@test, Columns: salary
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:[FieldSchema(name:union_set.name, type:string, comment:null)], properties:null)
INFO : Completed compiling command(queryId=hduser_20250501014118_7d076ab3-3bdb-4842-b016-f63c58347815); Time taken: 0.827 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501014118_7d076ab3-3bdb-4842-b016-f63c58347815): create table cte_test_dist as with
r1 as (select name from test where name = 'peter'),
r2 as (select name from test where salary < 1300)
select distinct *
from (select * from r1 union all select * from r2) union_set
WARN : Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. tez) or using Hive 1.X releases.

```

```

Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

SUCCESS
INFO : Total MapReduce CPU Time Spent: 16 seconds 750 msec
INFO : Completed executing command(queryId=hduser_20250501014118_7d076ab3-3bdb-4842-b016-f63c58347815); Time taken: 54.78 seconds
3 rows affected (55.623 seconds)
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000> select * from cte_test_dist;
INFO : Compiling command(queryId=hduser_20250501014228_b0f8bade-68f4-4f9a-a187-147169865293): select * from cte_test_dist
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:[FieldSchema(name:cte_test_dist.name, type:string, comment:null)], properties:null)
INFO : Completed compiling command(queryId=hduser_20250501014228_b0f8bade-68f4-4f9a-a187-147169865293); Time taken: 0.107 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501014228_b0f8bade-68f4-4f9a-a187-147169865293): select * from cte_test_dist
INFO : Completed executing command(queryId=hduser_20250501014228_b0f8bade-68f4-4f9a-a187-147169865293); Time taken: 0.0 seconds
+-----+
| cte_test_dist.name |
+-----+
| Michael            |
| Nina               |
| Peter              |
+-----+
3 rows selected (0.13 seconds)
0: jdbc:hive2://localhost:10000>

```

```

Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000> create table empty_ctas_test as select * from test where 1=2;
INFO : Compiling command(queryId=hduser_20250501014239_57b0204d-2aeb-40ab-905f-fd435e218db7): create table empty_ctas_test as select * from test where 1=2
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:[FieldSchema(name:test.name, type:string, comment:null), FieldSchema(name:test.salary, type:int, comment:null)], properties:null)
INFO : Completed compiling command(queryId=hduser_20250501014239_57b0204d-2aeb-40ab-905f-fd435e218db7); Time taken: 1.051 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501014239_57b0204d-2aeb-40ab-905f-fd435e218db7): create table empty_ctas_test as select * from test where 1=2
WARN : Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. tez) or using Hive 1.X releases.
INFO : Query ID = hduser_20250501014239_57b0204d-2aeb-40ab-905f-fd435e218db7
INFO : Total jobs = 3
INFO : Launching Job 1 out of 3
INFO : Starting task [Stage-1:MAPRED] in serial mode
INFO : Number of reduce tasks determined at compile time: 1
INFO : In order to change the average load for a reducer (in bytes):
INFO :   set hive.exec.reducers.bytes.per.reducer=<number>
INFO : In order to limit the maximum number of reducers:
INFO :   set hive.exec.reducers.max=<number>
INFO : In order to set a constant number of reducers:
INFO :   set mapreduce.job.reduces=<number>
INFO : number of splits:1
INFO : Submitting tokens for job: job_1746029259565_0005

```

```

Windows PowerShell
x hduser@DESKTOP-635D6IV: ~ x hduser@DESKTOP-635D6IV: ~ x hduser@DESKTOP-635D6IV: ~ x + v - □ X

0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000> dfs -ls /user/hive/warehouse/test_internal;
+-----+
| DFS Output |
+-----+
| Found 1 items |
| -rw-r--r-- 1 hduser supergroup 55 2025-05-01 01:33 /user/hive/warehouse/test_internal/test.dat |
+-----+
2 rows selected (0.013 seconds)
0: jdbc:hive2://localhost:10000> truncate table test_internal;
INFO : Compiling command(queryId=hduser_20250501014409_7d5cf673-0022-41d7-8e50-94b24147605a): truncate table test_inter
nal
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hduser_20250501014409_7d5cf673-0022-41d7-8e50-94b24147605a); Time taken: 0.0
08 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501014409_7d5cf673-0022-41d7-8e50-94b24147605a): truncate table test_inter
nal
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501014409_7d5cf673-0022-41d7-8e50-94b24147605a); Time taken: 0.1
79 seconds
No rows affected (0.195 seconds)
0: jdbc:hive2://localhost:10000>

```

```

Windows PowerShell
x hduser@DESKTOP-635D6IV: ~ x hduser@DESKTOP-635D6IV: ~ x hduser@DESKTOP-635D6IV: ~ x + v - □ X

Transaction isolation: TRANSACTION_REPEATABLE_READ
Beeline version 4.0.0 by Apache Hive
0: jdbc:hive2://localhost:10000> select * from test_internal;
INFO : Compiling command(queryId=hduser_20250501014433_16432326-85d4-4fee-8055-9ab780d8095d): select * from test_inter
nal
INFO : No Stats for default@test_internal, Columns: name, salary
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:[FieldSchema(name:test_internal.name, type:string, comment:null), Field
Schema(name:test_internal.salary, type:int, comment:null)], properties:null)
INFO : Completed compiling command(queryId=hduser_20250501014433_16432326-85d4-4fee-8055-9ab780d8095d); Time taken: 0.0
82 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501014433_16432326-85d4-4fee-8055-9ab780d8095d): select * from test_inter
nal
INFO : Completed executing command(queryId=hduser_20250501014433_16432326-85d4-4fee-8055-9ab780d8095d); Time taken: 0.0
01 seconds
+-----+
| test_internal.name | test_internal.salary |
+-----+
+-----+
No rows selected (0.192 seconds)
0: jdbc:hive2://localhost:10000> dfs -ls /user/hive/warehouse/test_internal;
+-----+
| DFS Output |
+-----+
+-----+
No rows selected (0.011 seconds)
0: jdbc:hive2://localhost:10000>

```

```

Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

+-----+
| test_internal.name | test_internal.salary |
+-----+
+-----+
No rows selected (0.192 seconds)
0: jdbc:hive2://localhost:10000> dfs -ls /user/hive/warehouse/test_internal;
+-----+
| DFS Output |
+-----+
+-----+
No rows selected (0.011 seconds)
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000> alter table ctas_test rename to ctas_test_internal;
INFO : Compiling command(queryId=hduser_20250501014548_180eef89-23cc-412a-b07a-97429a676e70): alter table ctas_test ren
ame to ctas_test_internal
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hduser_20250501014548_180eef89-23cc-412a-b07a-97429a676e70); Time taken: 0.0
14 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501014548_180eef89-23cc-412a-b07a-97429a676e70): alter table ctas_test ren
ame to ctas_test_internal
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501014548_180eef89-23cc-412a-b07a-97429a676e70); Time taken: 0.1
18 seconds
No rows affected (0.142 seconds)
0: jdbc:hive2://localhost:10000>

```

```

Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hduser_20250501014548_180eef89-23cc-412a-b07a-97429a676e70); Time taken: 0.0
14 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501014548_180eef89-23cc-412a-b07a-97429a676e70): alter table ctas_test ren
ame to ctas_test_internal
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501014548_180eef89-23cc-412a-b07a-97429a676e70); Time taken: 0.1
18 seconds
No rows affected (0.142 seconds)
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000> alter table ctas_test_internal set tblproperties ('comment'='ctas generated');
INFO : Compiling command(queryId=hduser_20250501014555_0f16331a-120d-439a-b88d-11a9e583ca9c): alter table ctas_test_int
ernal set tblproperties ('comment'='ctas generated')
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hduser_20250501014555_0f16331a-120d-439a-b88d-11a9e583ca9c); Time taken: 0.0
11 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501014555_0f16331a-120d-439a-b88d-11a9e583ca9c): alter table ctas_test_int
ernal set tblproperties ('comment'='ctas generated')
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501014555_0f16331a-120d-439a-b88d-11a9e583ca9c); Time taken: 0.0
33 seconds
No rows affected (0.054 seconds)
0: jdbc:hive2://localhost:10000>

```



```

Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hduser_20250501014555_0f16331a-120d-439a-b88d-11a9e583ca9c); Time taken: 0.0
11 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501014555_0f16331a-120d-439a-b88d-11a9e583ca9c): alter table ctas_test_int
ernal set tblproperties ('comment'='ctas generated')
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501014555_0f16331a-120d-439a-b88d-11a9e583ca9c); Time taken: 0.0
33 seconds
No rows affected (0.054 seconds)
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000> alter table ctas_test_internal add columns (addr string, id int);
INFO : Compiling command(queryId=hduser_20250501014601_88142cb4-d6ee-4749-855c-26cde1792b1b): alter table ctas_test_int
ernal add columns (addr string, id int)
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hduser_20250501014601_88142cb4-d6ee-4749-855c-26cde1792b1b); Time taken: 0.0
1 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501014601_88142cb4-d6ee-4749-855c-26cde1792b1b): alter table ctas_test_int
ernal add columns (addr string, id int)
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501014601_88142cb4-d6ee-4749-855c-26cde1792b1b); Time taken: 0.0
88 seconds
No rows affected (0.11 seconds)
0: jdbc:hive2://localhost:10000>

```

```

Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hduser_20250501014601_88142cb4-d6ee-4749-855c-26cde1792b1b); Time taken: 0.0
1 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501014601_88142cb4-d6ee-4749-855c-26cde1792b1b): alter table ctas_test_int
ernal add columns (addr string, id int)
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501014601_88142cb4-d6ee-4749-855c-26cde1792b1b); Time taken: 0.0
88 seconds
No rows affected (0.11 seconds)
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000> alter table ctas_test_internal change name emp_name string;
INFO : Compiling command(queryId=hduser_20250501014609_14dab6ee-145c-4309-9a34-ee43888db162): alter table ctas_test_int
ernal change name emp_name string
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hduser_20250501014609_14dab6ee-145c-4309-9a34-ee43888db162); Time taken: 0.0
16 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501014609_14dab6ee-145c-4309-9a34-ee43888db162): alter table ctas_test_int
ernal change name emp_name string
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501014609_14dab6ee-145c-4309-9a34-ee43888db162); Time taken: 0.0
64 seconds
No rows affected (0.089 seconds)
0: jdbc:hive2://localhost:10000>

```



```

Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hduser_20250501014609_14dab6ee-145c-4309-9a34-ee43888db162); Time taken: 0.016 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501014609_14dab6ee-145c-4309-9a34-ee43888db162): alter table ctas_test_internal change name emp_name string
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501014609_14dab6ee-145c-4309-9a34-ee43888db162); Time taken: 0.064 seconds
No rows affected (0.089 seconds)
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000> alter table ctas_test_internal change id id string;
INFO : Compiling command(queryId=hduser_20250501014616_09c03b54-6de8-46d0-b3ca-41ff7fae628f): alter table ctas_test_internal change id id string
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hduser_20250501014616_09c03b54-6de8-46d0-b3ca-41ff7fae628f); Time taken: 0.009 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501014616_09c03b54-6de8-46d0-b3ca-41ff7fae628f): alter table ctas_test_internal change id id string
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501014616_09c03b54-6de8-46d0-b3ca-41ff7fae628f); Time taken: 0.032 seconds
No rows affected (0.05 seconds)
0: jdbc:hive2://localhost:10000>

```

```

Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000> describe ctas_test_internal
. . . . .
INFO : Compiling command(queryId=hduser_20250501014630_4cf74b33-4745-4405-a3dd-ac96c91fe318): describe ctas_test_internal
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:[FieldSchema(name:col_name, type:string, comment:from deserializer), FieldSchema(name:data_type, type:string, comment:from deserializer), FieldSchema(name:comment, type:string, comment:from deserializer)], properties:null)
INFO : Completed compiling command(queryId=hduser_20250501014630_4cf74b33-4745-4405-a3dd-ac96c91fe318); Time taken: 0.007 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501014630_4cf74b33-4745-4405-a3dd-ac96c91fe318): describe ctas_test_internal
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501014630_4cf74b33-4745-4405-a3dd-ac96c91fe318); Time taken: 0.011 seconds
+-----+-----+-----+
| col_name | data_type | comment |
+-----+-----+-----+
| emp_name | string   |         |
| salary   | int      |         |
| addr     | string   |         |
| id       | string   |         |
+-----+-----+-----+
4 rows selected (0.034 seconds)
0: jdbc:hive2://localhost:10000>

```

```

at java.lang.reflect.Method.invoke(Method.java:498) ~[?:1.8.0_442]
at org.apache.hadoop.hive.metastore.RetryingHMSHandler.invokeInternal(RetryingHMSHandler.java:91) ~[hive-exec-4.0.0.jar:4.0.0]
at org.apache.hadoop.hive.metastore.AbstractHMSHandlerProxy.invoke(AbstractHMSHandlerProxy.java:82) ~[hive-exec-4.0.0.jar:4.0.0]
at com.sun.proxy.$Proxy36.alter_table_req(Unknown Source) ~[?:?]
at org.apache.hadoop.hive.metastore.HiveMetaStoreClient.alter_table(HiveMetaStoreClient.java:582) ~[hive-exec-4.0.0.jar:4.0.0]
at org.apache.hadoop.hive.ql.metadata.SessionHiveMetaStoreClient.alter_table(SessionHiveMetaStoreClient.java:504) ~[hive-exec-4.0.0.jar:4.0.0]
at sun.reflect.GeneratedMethodAccessor114.invoke(Unknown Source) ~[?:?]
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) ~[?:1.8.0_442]
at java.lang.reflect.Method.invoke(Method.java:498) ~[?:1.8.0_442]
at org.apache.hadoop.hive.metastore.RetryingMetaStoreClient.invoke(RetryingMetaStoreClient.java:213) ~[hive-exec-4.0.0.jar:4.0.0]
at com.sun.proxy.$Proxy37.alter_table(Unknown Source) ~[?:?]
at org.apache.hadoop.hive.ql.metadata.Hive.alterTable(Hive.java:926) ~[hive-exec-4.0.0.jar:4.0.0]
... 27 more
ERROR : FAILED: Execution Error, return code 40013 from org.apache.hadoop.hive.ql.ddl.DDLTask. Unable to alter table. The following columns have types incompatible with the existing columns in their respective positions :
id
INFO : Completed executing command(queryId=hduser_20250501014655_dc47adc8-e13b-4aaa-8d0b-419221bbc4c5); Time taken: 0.046 seconds
Error: Error while compiling statement: FAILED: Execution Error, return code 40013 from org.apache.hadoop.hive.ql.ddl.DDLTask. Unable to alter table. The following columns have types incompatible with the existing columns in their respective positions :
id (state=08S01,code=40013)
0: jdbc:hive2://localhost:10000>

```

```

INFO : Completed executing command(queryId=hduser_20250501014655_dc47adc8-e13b-4aaa-8d0b-419221bbc4c5); Time taken: 0.046 seconds
Error: Error while compiling statement: FAILED: Execution Error, return code 40013 from org.apache.hadoop.hive.ql.ddl.DDLTask. Unable to alter table. The following columns have types incompatible with the existing columns in their respective positions :
id (state=08S01,code=40013)
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000> alter table ctas_test_internal change id emp_id string after
. . . . .> salary;
INFO : Compiling command(queryId=hduser_20250501014708_abaf4aa4-7a73-4ecd-9d68-a424ac385778): alter table ctas_test_internal change id emp_id string after
salary
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hduser_20250501014708_abaf4aa4-7a73-4ecd-9d68-a424ac385778); Time taken: 0.01 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501014708_abaf4aa4-7a73-4ecd-9d68-a424ac385778): alter table ctas_test_internal change id emp_id string after
salary
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501014708_abaf4aa4-7a73-4ecd-9d68-a424ac385778); Time taken: 0.035 seconds
No rows affected (0.053 seconds)
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000>

```

```

Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

INFO : Created Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hduser_20250501014708_abaf4aa4-7a73-4ecd-9d68-a424ac385778); Time taken: 0.01 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501014708_abaf4aa4-7a73-4ecd-9d68-a424ac385778): alter table ctas_test_internal change id emp_id string after salary
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501014708_abaf4aa4-7a73-4ecd-9d68-a424ac385778); Time taken: 0.035 seconds
No rows affected (0.053 seconds)
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000>
0: jdbc:hive2://localhost:10000> alter table ctas_test_internal replace columns (name string, salary int);
INFO : Compiling command(queryId=hduser_20250501014740_cd6ac13c-d910-4524-9abb-a2edfb17fb23): alter table ctas_test_internal replace columns (name string, salary int)
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hduser_20250501014740_cd6ac13c-d910-4524-9abb-a2edfb17fb23); Time taken: 0.022 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501014740_cd6ac13c-d910-4524-9abb-a2edfb17fb23): alter table ctas_test_internal replace columns (name string, salary int)
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501014740_cd6ac13c-d910-4524-9abb-a2edfb17fb23); Time taken: 0.059 seconds
No rows affected (0.095 seconds)
0: jdbc:hive2://localhost:10000>

```

```

Windows PowerShell
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~
hduser@DESKTOP-635D6IV: ~

0: jdbc:hive2://localhost:10000> describe extended ctas_test_internal
. . . . .> ;
INFO : Compiling command(queryId=hduser_20250501014758_504f19e5-25e0-4af4-9685-777e85cf21ee): describe extended ctas_test_internal
INFO : Semantic Analysis Completed (retrial = false)
INFO : Created Hive schema: Schema(fieldSchemas:[FieldSchema(name:col_name, type:string, comment:from deserializer), FieldSchema(name:data_type, type:string, comment:from deserializer), FieldSchema(name:comment, type:string, comment:from deserializer)], properties:null)
INFO : Completed compiling command(queryId=hduser_20250501014758_504f19e5-25e0-4af4-9685-777e85cf21ee); Time taken: 0.011 seconds
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hduser_20250501014758_504f19e5-25e0-4af4-9685-777e85cf21ee): describe extended ctas_test_internal
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hduser_20250501014758_504f19e5-25e0-4af4-9685-777e85cf21ee); Time taken: 0.028 seconds
+-----+-----+-----+
| col_name | data_type | comment |
+-----+-----+-----+
| name | string | |
| salary | int | |
| | NULL | NULL |
+-----+-----+-----+
| Detailed Table Information | Table(tableName=ctas_test_internal, dbName=default, owner=hduser, createTime:1746031107, lastAccessTime:0, retention:0, sd:StorageDescriptor(cols:[FieldSchema(name=name, type:string, comment:null), FieldSchema(name=salary, type:int, comment:null)], location=hdfs://localhost:9000/user/hive/warehouse/ctas_test_internal, inputFormat=org.apache.hadoop.mapred.TextInputFormat, outputFormat=org.apache.hadoop.hive ql.io.HiveIgnoreKeyTextOutputFormat, compressed=false, numBuckets=-1, serdeInfo:SerDeInfo(name=null, serializationLib:org.apache.hadoop.hive.serde2.lazy.LazySimpleSerDe, parameters:{serialization.format=1}), bucketCols:[], sortCols:[], parameters:{}, skewedInfo:SkewedInfo(skewedColNames:[], skewedColValues:[], skewedColValueLocationMaps:{}), storedAsSubDirectories:false), partitionKeys:[], parameters:{external.table.purge=TRUE, last_modified_time=1746031660, numRows=6, rawDataSize=52, transient_lastDdlTime=1746031660, bucketing_version=2, last_modified_by=hduser, numFilesErasureCoded=0, totalSize=58, EXTERNAL=TRUE, COLUMN_STATS_ACCURATE={\"BASIC_STATS\": \"true\", \"COLUMN_STATS\": {\"salary\": \"true\"}}, numFiles=1, TRANSLATED_TO_EXTERNAL=TRUE, comment=ctas generated}, viewOriginalText:null, viewExpandedText:null, tableType:EXTERNAL_TABLE, rewriteEnabled:false, catalog=hive, ownerType:USER, writeId:0, accessType:8, id:5) |
+-----+-----+-----+
4 rows selected (0.057 seconds)
0: jdbc:hive2://localhost:10000>

```