

<http://www.apache.org/dyn/closer.cgi/hive>

download hive 2.1.1

export PATH=\$PATH:/usr/local/hadoop/bin/

```
[root@localhost hive-install]# export HIVE_HOME=/home/keerthan/hive-install/apache-hive-2.1.1-bin
```

```
[root@localhost hive-install]# echo $HIVE_HOME
```

```
/home/keerthan/hive-install/apache-hive-2.1.1-bin
```

```
[root@localhost hive-install]# export PATH=$PATH:$HIVE_HOME/bin
```

```
[root@localhost hive-install]# echo $PATH
```

```
/usr/local/bin:/usr/local/sbin:/usr/bin:/usr/sbin:/bin:/sbin:/home/keerthan/.local/bin:/home/keerthan/bin:/home/keerthan/hive-install/apache-hive-2.1.1-bin/bin
```

```
[root@localhost hive-install]# echo $HADOOP_HOME
```

```
[root@localhost hive-install]# export HADOOP_HOME=/home/keerthan/hadoop-install/hadoop-2.7.4
```

```
[root@localhost hive-install]# echo $HADOOP_HOME/home/keerthan/hadoop-install/hadoop-2.7.4
```

```
[root@localhost hive-install]# export PATH=$PATH:$HADOOP_HOME/bin
```

```
[root@localhost hive-install]#
```

```
export CLASSPATH=$CLASSPATH:$HIVE_HOME/lib/*:
```

```
export CLASSPATH=$CLASSPATH:$HADOOP_HOME/lib/*:.
```

```
hadoop dfsadmin -safemode leave
```

```
hadoop fs -mkdir /tmp
```

```
hadoop fs -mkdir /user
```

```
[root@localhost conf]# hadoop fs -mkdir /user/hive
```

```
hadoop fs -chmod g+w /tmp
```

```
[root@localhost conf]# hadoop fs -chmod g+w /user/hive/warehouse
```

```
[root@localhost conf]# hadoop fs -mkdir /tmp
```

```
[root@localhost conf]# hadoop fs -mkdir /user
```

```
[root@localhost conf]# hadoop fs -mkdir /user/hive
```

```
[root@localhost conf]# hadoop fs -mkdir /user/hive/warehouse
```

```
[root@localhost conf]# hadoop fs -chmod g+w /tmp
```

```
[root@localhost conf]# hadoop fs -chmod g+w /user/hive/warehouse
```

```
[root@localhost conf]# hive
```

```
[root@localhost apache-hive-2.1.1-bin]# mv metastore_db metastore_db.tmp
```

```
[root@localhost apache-hive-2.1.1-bin]# schematool -initSchema -dbType derby
```

```
hive> show databases;
```

```
[root@localhost apache-hive-2.1.1-bin]# bin/beeline -u jdbc:hive2://
```

```
0: jdbc:hive2://> create database pluralsight;
```

```
0: jdbc:hive2://> use pluralsight;
```

```
0: jdbc:hive2://> create table customers(
```

```
..... > id bigint,  
..... > name string,  
..... > address string  
..... > );
```

```
0: jdbc:hive2://> show tables;
```

```
OK
```

```
+-----+--+
```

```
| tab_name |
```

```
+-----+--+
```

```
| customers |
```

```
+-----+--+
```

```
1 row selected (0.182 seconds)
```

```
0: jdbc:hive2://> describe customers;
```

```
OK
```

```
+-----+-----+-----+--+
```

```
| col_name | data_type | comment |
```

```
+-----+-----+-----+--+
```

```
| id | bigint | |
```

```
| name | string | |
```

```
| address | string | |
```

```
+-----+-----+-----+--+
```

```
3 rows selected (0.461 seconds)
```

```
0: jdbc:hive2://> insert into customers values (1111,"John","WA");
```

```
0: jdbc:hive2://> select * from customers;
```

```
OK
```

```
+-----+-----+-----+--+
```

```
| customers.id | customers.name | customers.address |
```

```
+-----+-----+-----+--+
```

```
| 1111 | John | WA |
```

```
+-----+-----+-----+--+
```

```
0: jdbc:hive2://> insert into customers
values(2222,"Emily","WA"),(3333,"Rick","WA"),(4444,"Jane","CA");
```

```
select * from customers;
OK
```

```
+-----+-----+-----+--+
| customers.id | customers.name | customers.address |
+-----+-----+-----+--+
| 1111 | John | WA |
| 2222 | Emily | WA |
| 3333 | Rick | WA |
| 4444 | Jane | CA |
+-----+-----+-----+--+
```

```
: jdbc:hive2://> select * from customers where address="WA";
OK
```

```
+-----+-----+-----+--+
| customers.id | customers.name | customers.address |
+-----+-----+-----+--+
| 1111 | John | WA |
| 2222 | Emily | WA |
| 3333 | Rick | WA |
+-----+-----+-----+--+
```

Hive UDF

[https://cwiki.apache.org/confluence/display/Hive/LanguageManual +UDF](https://cwiki.apache.org/confluence/display/Hive/LanguageManual+UDF)

```
0: jdbc:hive2://> select address, count(*) from customers group by address;
```

```
+-----+-----+
| address | c1 |
+-----+-----+
| CA | 1 |
| WA | 3 |
+-----+-----+
```

Ctrl+L clear screen