

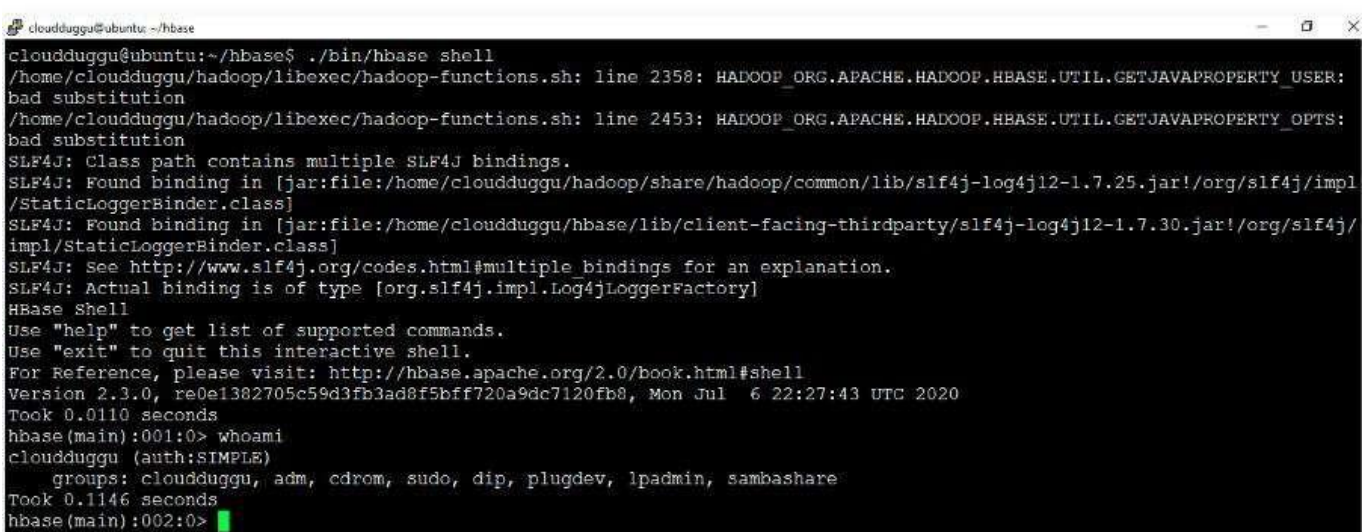
Apache HBase Shell



Apache HBase Shell is used to communicate with HBase. HBase uses Hadoop HDFS to store data. HBase has master and region server architecture. The data stored in HBase will be in a form of the region (tables) which are split up and stored in region servers. HBase master server manages these region servers.

To start Apache HBase Shell, run the below command.

```
cloudduggu@ubuntu:~/hbase$ ./bin/hbase shell
```



```
cloudduggu@ubuntu:~/hbase$ ./bin/hbase shell
/home/cloudduggu/hadoop/libexec/hadoop-functions.sh: line 2358: HADOOP_ORG.APACHE.HADOOP.HBASE.UTIL.GETJAVAPROPERTY_USER:
bad substitution
/home/cloudduggu/hadoop/libexec/hadoop-functions.sh: line 2453: HADOOP_ORG.APACHE.HADOOP.HBASE.UTIL.GETJAVAPROPERTY_OPTS:
bad substitution
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/home/cloudduggu/hadoop/share/hadoop/common/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl
/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/home/cloudduggu/hbase/lib/client-facing-thirdparty/slf4j-log4j12-1.7.30.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]
HBase Shell
Use "help" to get list of supported commands.
Use "exit" to quit this interactive shell.
For Reference, please visit: http://hbase.apache.org/2.0/book.html#shell
Version 2.3.0, re0e1382705c59d3fb3ad8f5bff720a9dc7120fb8, Mon Jul  6 22:27:43 UTC 2020
Took 0.0110 seconds
hbase(main):001:0> whoami
cloudduggu (auth:SIMPLE)
groups: cloudduggu, adm, cdrom, sudo, dip, plugdev, lpadmin, sambashare
Took 0.1146 seconds
hbase(main):002:0> █
```

Apache HBase Commands

Let us see some commands supported by Apache HBase Shell.

1. HBase Basic Commands

These are basic HBase commands which are used to see the version, status of HBase, and so on.

Commands	Description
version	This command is used to provide the version of HBase currently in use.
table_help	This command is used to provide help for table reference commands.
status	This command is used to provide the status of HBase, for example, the number of servers.
whoami	This command is used to provide information about the user.

2. HBase DDL Commands

These commands are used to create a table, list table, disable the table, enable table, and so on.

Commands	Description
create	It is used for creating tables.
list	This command is used to list all the tables in HBase.
disable	This command is used to disable a table.
exists	This command is used to verify the existence of a table.
drop	This command is used to drop a table from HBase.
drop_all	This command is used to drop the tables matching in the command.
is_disabled	This command is used to verify whether a table is disabled.
enable	This command is used to enable a table.
is_enabled	This command is used to verify whether a table is enabled.
describe	This command is used to describe a table.
alter	This command is used to alter a table.
Java Admin API	Using JAVA API, DDL functionalities can be performed. This package "org.apache.hadoop.hbase.client" is used in JAVA API.

3. HBase DML Commands

These commands are used to put a value in a column, disable, drop, and recreate a specified table, delete all cells in a row, and so on.

Commands	Description
put	This command is used to put a cell value at a specified column in a specified row in a particular table.
get	This command is used to fetch the content of a row or a cell.
delete	This command is used to delete a cell value in a table.
deleteall	This command is used to delete all the cells in a given row.
scan	This command is used to scans and return the table data.
count	This command is used to count and return the number of rows in a table.
truncate	This command is used to disable, drop, and recreate a specified table.
Java client API	Using JAVA API, DML functionalities can be performed. This package “org.apache.hadoop.hbase.client” is used in JAVA API.

