# --Hive Installation--

## Step 1: Download and Extract Hive Package

Download Hive

https://dlcdn.apache.org/hive/

Extract - `tar xzf apache-hive-3.1.2-bin.tar.gz`

## Step 2: Configure Hive Environment Variables

```
nano ~/.bashrc
OR
gedit ~/.bashrc
```

Append following paths

```
export HIVE_HOME=/home/suresh/Hive/apache-hive-3.1.2-bin
export PATH=$PATH:$HIVE_HOME/bin
```

```
source ~/.bashrc
```

## Step 3: Edit hive-env.sh

Path : ~/apache-hive-3.1.2-bin/conf/hive-env.sh

```
export HADOOP_HOME = ~/Downloads/hadoop-3.3.0
HIVE_CONF_DIR="${HIVE_CONF_DIR:-$HIVE_HOME/conf}"
export HADOOP_HEAPSIZE=${HADOOP_HEAPSIZE:-256}
export HIVE_CONF_DIR=$HIVE_CONF_DIR
export HIVE_AUX_JARS_PATH=$HIVE_AUX_JARS_PATH
```

## Step 4: Edit hive-config.sh

Path : ~/apache-hive-3.1.2-bin/bin/hive-config.sh

```
nano $HIVE_HOME/bin/hive-config.sh
```

Append
```
export HADOOP_HOME=/home/hadoop-3.2.2
```

## Step 5: Create Hive Directories in HDFS

```
hdfs dfs -mkdir /tmp
hdfs dfs -chmod g+w /tmp
hdfs dfs -ls /

hdfs dfs -mkdir -p /user/hive/warehouse
hdfs dfs -chmod g+w /user/hive/warehouse
hdfs dfs -ls /user/hive
```

## Step 6: Create Hive Directories in HDFS

```
rm ~/HIVE/apache-hive-3.1.2-bin/lib/guava-19.0.jar

cp ~/hadoop-3.2.2/share/hadoop/hdfs/lib/guava-27.0-jre.jar
~/HIVE/apache-hive-3.1.2-bin/lib/
```

## Step 7: Create Hive Directories in HDFS

```
$ ~/HIVE/apache-hive-3.1.2-bin/bin/schematool -initSchema -
dbType derby
```

## Step 8: Type Hive to run the Hive Shell

```
$ hive
```