

EXP NO: 5	Installation of hive
DATE:	

AIM: -

BACKGROUND THEORY: -

PROCEDURE: -

- Switch to superuser mode using `sudo su`.
- Update all system packages to ensure you have the latest versions.
- Install `wget` to download files from the internet.
- Use `wget` to download the Apache Hive binary tarball from the official website
- Extract the Hive binary tarball using the `tar` command.
- Move the extracted Hive directory to `/usr/local/hive` for proper management.
- Open the `.bashrc` file to set the necessary environment variables for Hive.
- After editing the `.bashrc` file, apply the changes by sourcing it.
- You can verify that Hive has been successfully installed by running the `hive` command.

CODING: -

- `sudo su`
- **Update the system**
 - `sudo yum update -y`
- **Install wget**
 - `sudo yum install wget -y`
- **Download Apache Hive**
 - `wget https://dlcdn.apache.org/hive/hive-3.1.3/apache-hive-3.1.3-bin.tar.gz`
- **Extract the Hive tarball**
 - `tar -xzf apache-hive-3.1.3-bin.tar.gz`
- **Move to root directory**
 - `sudo mv apache-hive-3.1.3-bin /usr/local/hive`
- **Configure Hive Environment Variables**
 - `nano ~/.bashrc`
 - Add the following in that file as #Hive Variables
 - `export HIVE_HOME=/usr/local/hive`
 - `export PATH=$PATH:$HIVE_HOME/bin`
 - `export HADOOP_HOME=/usr/local/hadoop # Adjust to your Hadoop installation path`
 - `export PATH=$PATH:$HADOOP_HOME/bin:$HADOOP_HOME/sbin`
 - `source ~/.bashrc`

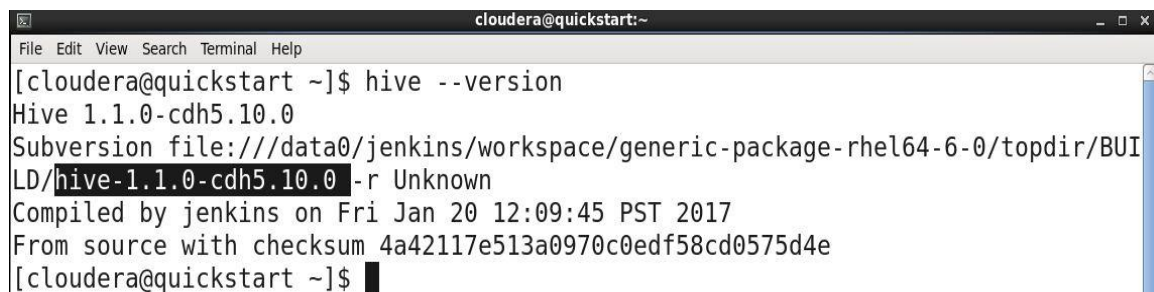
OUTPUT: -

```
# Hadoop variables
export HADOOP_HOME=/usr/local/hadoop
export PATH=$PATH:$HADOOP_HOME/bin:$HADOOP_HOME/sbin

# Java variables
export JAVA_HOME=$(readlink -f /usr/bin/java | sed "s:/bin/java::")
export PATH=$PATH:$JAVA_HOME/bin

#Hive variables
export HIVE_HOME=/usr/local/hive
export PATH=$PATH:$HIVE_HOME/bin
export HADOOP_HOME=/usr/local/hadoop # Adjust this to match your Hadoop installation path
export PATH=$PATH:$HADOOP_HOME/bin:$HADOOP_HOME/sbin

#MySQL variables
export PATH=$PATH:/usr/local/mysql/bin
```



A terminal window titled 'cloudera@quickstart:~' with a menu bar (File, Edit, View, Search, Terminal, Help). The command '[cloudera@quickstart ~]\$ hive --version' has been executed, resulting in the following output:

```
[cloudera@quickstart ~]$ hive --version
Hive 1.1.0-cdh5.10.0
Subversion file:///data0/jenkins/workspace/generic-package-rhel64-6-0/topdir/BUILD/hive-1.1.0-cdh5.10.0 -r Unknown
Compiled by jenkins on Fri Jan 20 12:09:45 PST 2017
From source with checksum 4a42117e513a0970c0edf58cd0575d4e
[cloudera@quickstart ~]$
```