Installation of Hive

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Pre-requisites

- Ubuntu 20.04 LTS

- Hadoop 3.0.*

- Java with jdk1.8 onwards

Download and Copy

- Download hive on below path (nearly 312 MB): https://dlcdn.apache.org/hive/hive-3.1.3/

- Extract the .tar.gz file in Downloads/ and rename it to hive/ and move the folder to `/usr/local/` path:

```
sudo mv hive/ /usr/local
```

Change the owner

- Provide access to hive path by changing the owners and groups to your user respectively.

```
sudo chown -R mitu:mitu /usr/local/hive
```

Configure environment variables

- Configure environment variables in .bashrc file.
- Add following lines at the end of file

```
export HIVE_HOME=/usr/local/hive/
export PATH=$PATH:$HIVE_HOME/bin
export HADOOP_USER_CLASSPATH_FIRST=true
```

- Apply the changes:

```
source ~/.bashrc
```

Make directories

- Create temporary and folder for data warehouse of hive in HDFS as well as change the permissions.

```
hadoop fs -mkdir /tmp
hadoop fs -mkdir -p /user/hive/warehouse
hadoop fs -chmod g+w /tmp
hadoop fs -chmod -R g+w /user/hive/warehouse
```

Configure Hive

- To configure Hive with Hadoop, you need to edit the hive-env.sh file, which is placed in the $HIVE_HOME/conf directory. The following commands redirect to Hive config folder and copy the template file:

```
cd $HIVE_HOME/conf
cp hive-env.sh.template hive-env.sh
```

- Edit the hive-env.sh file by appending the following line:

```
export HADOOP_HOME=/usr/local/hadoop
```

- Make sure that Hadoop services are running. Then type-

  `hive`


```
hduser@rashmi-dell:~$ jps
5250 NodeManager
4797 DataNode
5707 Jps
4677 NameNode
5122 ResourceManager
hduser@rashmi-dell:~$ hive

Logging initialized using configuration in jar:file:/usr/lib/hive/lib/hive-co
ties
hive>
```

Thank you

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