Installation of Hive

Tushar B. Kute,
http://tusharkute.com

Pre-requisites

- Ubuntu 14.04 LTS

- Hadoop 2.6.*

- Java with jdk1.7 onwards

Download and Copy

- Download hive on below path (nearly 93 MB): http://www.apache.org/dyn/closer.cgi/hive/

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

  `sudo mv Downloads/hive /usr/lib`

Change the owner

- Provide access to hive path by changing the owners and groups to hduser and hadoop respectively.

```
sudo chown -R hduser:hadoop /usr/lib/hive
```

Configure environment variables

- Configure environment variables in .bashrc file.

```
su - hduser
vim ~/.bashrc
```

- Add following lines at the end of file

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

- Apply the changes:

```
source ~/.bashrc
```

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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
```

Run the Hive

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

hive

Thank you

Web Resources
http://mitu.co.in
http://tusharkute.com

Blogs
http://digitallocha.blogspot.in
http://kyamputar.blogspot.in

tushar@tusharkute.com