Exp. No: 5

HIVE Installation

1. Download and Extract apache hive 3.1.2

```
kaarokki@fedora:~$ ls

pache-hive-3.1.2-bin.tar.gz

ataAnalytics_Lab_Manual-Exercise 1 to 5.pdf'

esktop

ocuments

ownloads

xp2

xp3

xp4

adoop
adoop-3.3.6.tar.gz

ive

usic

kaarokki@fedora:~$ cd hive
kaarokki@fedora:~/hive$
```

2. Update HIVE Configurations in .bashrc

```
INSET TC

### TO THE SPATH: / USF / Lib / jvm / java - 11 - openjdk |

### SPATH: / USF / Lib / jvm / java - 11 - openjdk |

### SPATH: / USF / Lib / jvm / java - 11 - openjdk / bin |

#### SPATH: * SP
```

3. Change directory to apache-hive-3.1.2-bin/conf

```
kaarokki@fedora:~/hive$ cd conf
kaarokki@fedora:~/hive/conf$ ls
eeline-log4j2.properties.template hive-site.xml
ive-default.xml.template hive-site.xml.save
ive-env.sh ivysettings.xml
ive-env.sh.template llap-cli-log4j2.properties.template
ive-exec-log4j2.properties.template
ive-log4j2.properties.template parquet-logging.properties
kaarokki@fedora:~/hive/conf$
```

4. Create hive-env.sh

```
GNU nano 7.2
    if [ -z "$DEBUG" ]; then
        export HADOOP_OPTS="$HADOOP_OPTS -XX:NewRatio=12 -Xms10m -XX:MaxHeapFreeRation else
        export HADOOP_OPTS="$HADOOP_OPTS -XX:NewRatio=12 -Xms10m -XX:MaxHeapFreeRation fi
    fi

# The heap size of the jvm stared by hive shell script can be controlled via:

# export HADOOP_HEAPSIZE=1024

# Larger heap size may be required when running queries over large number of files
# By default hive shell scripts use a heap size of 256 (MB). Larger heap size wou
# appropriate for hive server.

# Set HADOOP_HOME to point to a specific hadoop install directory
# HADOOP_HOME=${bin}/../../hadoop
# Hive Configuration Directory can be controlled by:
# export HIVE_CONF_DIR=
# Folder containing extra libraries required for hive compilation/execution can be export HIVE_AUX_JARS_PATH=
```

5. Install and Change mysql root password

6. Create and configure hive-site.xml

7. Download and Move mysql java connector to apache-hive-3.1.2-bin/lib

8. Execute schematool -initSchema -dbType mysql

9. Start hive

```
kaarokki@fedora:~/hive/lib$ hive
which: no hbase in (/home/kaarokki/.local/bin:/home/kaarokki/bin:/usr/loome/harish/pig/bin:/usr/lib/jvm/jdk1.8.0_202/bin:/home/harish/hive/bin:/home/kaarokki/hive/bin)
8.0_202/bin:/home/kaarokki/hive/bin)
Hive Session ID = 96e0b2f2-a9ba-4037-9616-5a99c12eb17a

Logging initialized using configuration in jar:file:/home/kaarokki/hive/
Hive-on-MR is deprecated in Hive 2 and may not be available in the future ases.
Hive Session ID = adda9396-6722-4b3f-aa65-e22b4a70ea2b
hive>
```