Presto安装部署及使用

查看各个版本功能 https://prestosql.io/docs/current/release

官方文档：https://prestodb.io/docs/current/installation/deployment.html

Presto安装环境

presto-server-0.191

hadoop-2.6.0-cdh5.8.3

Java8 8u92+

Python 2.4+

CentOS 64位

datadev1（coordinator）、datadev2（worker）、datadev3（worker）

注意：下面的步骤3台都要操作，worker 节点和coordinator节点只有config.properties有一点不一样

Presto配置

```
ansible presto -m copy -a "src=/root/presto-server-0.234.2.tar.gz  dest=/opt/"
```

下载presto-server-0.191.tar.gz,并解压至/opt/

```
ansible presto -m shell -a "tar -xzvf  /opt/presto-server-0.*.tar.gz -C /opt "
ansible presto -m shell -a "ln -s /opt/presto-server-0.234.2 /opt/presto "
```

查看

```
ansible presto -m shell -a "ls -l /opt/presto/ "
```

创建配置文件目录etc

```
ansible presto -m shell -a "cd /opt/presto/  && mkdir etc "
```

```
cd etc
```

Node Properties

etc/node.properties

```
node.environment=production
node.id=datadev1
node.data-dir=/data/prestodata
```

注意：node.id 每个都不一样

JVM Config

etc/jvm.config

```
-server
-Xmx16G
-XX:+UseG1GC
-XX:G1HeapRegionSize=32M
-XX:+UseGCOverheadLimit
-XX:+ExplicitGCInvokesConcurrent
-XX:+HeapDumpOnOutOfMemoryError
-XX:+ExitOnOutOfMemoryError
```

Config Properties

coordinator： etc/config.properties

```
coordinator=true
node-scheduler.include-coordinator=true   ##是否允许该节点既是coordinator又是worker
http-server.http.port=8080
query.max-memory=5GB
query.max-memory-per-node=1GB
discovery-server.enabled=true
discovery.uri=http://coordinatorIP:8080
```

work：etc/config.properties

```
coordinator=false
http-server.http.port=8080
query.max-memory=50GB
query.max-memory-per-node=1GB
discovery.uri=http://coordinatorIP:8080
```

注意：worker节点和coordinator节点discovery.uri都一样

Log Levels

etc/log.properties

```
com.facebook.presto=INFO
```

注意：日志在数据目录的/var/log

Catalog Properties

create etc/catalog/jmx.properties

```
connector.name=jmx
```

create etc/catalog/hive.properties   hive-hadoop2是关键字 不能随便修改

```
connector.name=hive-hadoop2
hive.metastore.uri=thrift://192.168.33.101:9083
hive.config.resources=/etc/hadoop/conf/core-site.xml, /etc/hadoop/conf/hdfs-site.xml
hive.allow-drop-table=true
```

注意：这是hive集群的相关配置信息

需要升级jdk

```
[root@cdh85-110 etc]#
[root@cdh85-110 etc]# /opt/presto/bin/launcher run
Presto requires Java 8u151+ (found 1.8.0_141)
[root@cdh85-110 etc]# cd ~
```

ansible presto -m shell -a "yum localinstall /opt/oracle-j2sdk1.8-1.8.0+update181-1.x86_64.rpm -y "

Running Presto

vi /etc/profile 增加

export JAVA_HOME=/opt/jdk1.8.0_111/

export PATH=$JAVA_HOME/bin:$PATH

```
/opt/presto/bin/launcher run
```

你可以使用下面命令后台启动：

```
sudo -u hdfs  /opt/presto/bin/launcher start
```

用hdfs身份启动， 不然hive不能读取数据

或者 记得导入环境变量

export HADOOP_USER_NAME=hdfs

ansible presto -m shell -a "/opt/presto/bin/launcher start"

也可以前台启动，观察输出日志：

bin/launcher run

另外，你也可以通过下面命令停止：

bin/launcher stop

ansible 10.0.221.69 -m shell -a "sudo -u hdfs /opt/presto-server-0.217/bin/launcher stop"

查看状态：

ansible presto -m shell -a "/opt/presto/bin/launcher status"

Presto Cli

Download presto-cli-0.191-executable.jar, rename it to presto, make it executable with chmod +x, then run it:

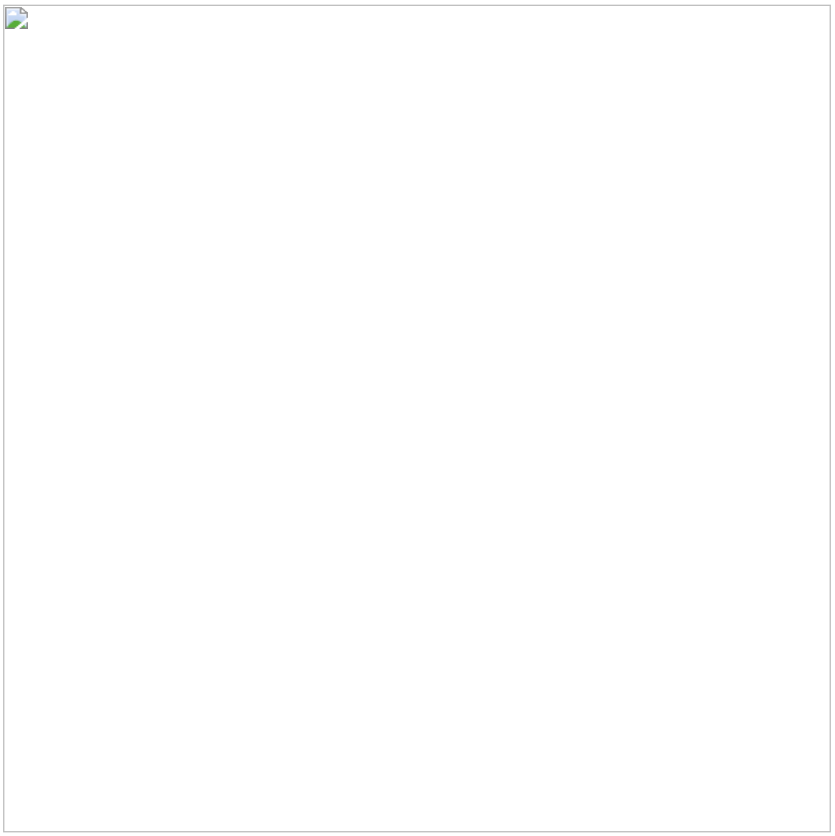
```
mv presto-cli-0.191-executable.jar presto
chmod a+x presto
```

```
./presto --server localhost:8080 --catalog hive --schema default
```

进入Presto命令行。

Presto WEB Interface

3台都开启，访问http://coordinatorIP:8080 发现3个节点。



presto配置ldap用于用户认证

https://silvermissile.github.io/2019/07/16/presto%E9%85%8D%E7%BD%AEldap%E7%94%A8%E4%BA%8E%E7%94%A8%E6%88%B7