presto配置ldap用于用户认证

参考：

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

vim etc/config.properties

```
coordinator=true
node-scheduler.include-coordinator=true
http-server.http.port=8080
query.max-memory=5GB
query.max-memory-per-node=1GB
query.max-total-memory-per-node=2GB
discovery-server.enabled=true
discovery.uri=http://10.0.221.69:8080

http-server.authentication.type=PASSWORD

http-server.https.enabled=true
http-server.https.port=8443

http-server.https.keystore.path=/etc/presto_keystore.jks
http-server.https.keystore.key=Abc123456
```

导入ldap server证书，persto 服务要想通过ldaps与ldap server通信，必须要导入 （java的默认密码 changeit）

```
keytool -import -keystore $JAVA_HOME/jre/lib/security/cacerts -trustcacerts -alias ldap -file /root/server.crt
#password:changeit
```

验证导入成功

```
keytool -list -keystore   $JAVA_HOME/jre/lib/security/cacerts
keytool -list -keystore   $JAVA_HOME/jre/lib/security/cacerts | grep ldap
```

注意 第一项主机名

```
[root@cdh85-110 etc]# keytool -genkeypair -alias prestoservernew -keyalg RSA -validity 3650 -keystore presto_keystore.jks
Enter keystore password:
Re-enter new password:
What is your first and last name?
  [Unknown]:  cdh85-110
What is the name of your organizational unit?
  [Unknown]:  baofu
What is the name of your organization?
  [Unknown]:  ops
What is the name of your City or Locality?
  [Unknown]:  shanghai
What is the name of your State or Province?
  [Unknown]:  shanghai
What is the two-letter country code for this unit?
  [Unknown]:  cn
Is CN=cdh85-110, OU=baofu, O=ops, L=shanghai, ST=shanghai, C=cn correct?
  [no]:  yes
```

注意记得带时间 ， 不然证书默认3个月会过期

命令汇总：

```
# 生成jks
keytool -genkeypair -alias prestoservernew -keyalg RSA -validity 3650 -keystore presto_keystore_new.jks

# 导出cer证书
keytool -keystore $JAVA_HOME/jre/lib/security/presto_keystore_new.jks -export -alias prestoservernew -file
/tmp/prestoservernew.cer

# 导入证书到truststore （java的默认密码 changeit）
keytool -import -keystore $JAVA_HOME/jre/lib/security/cacerts -trustcacerts -alias prestoservernew -file
/tmp/prestoservernew.cer

# 删除信任证书 （java的默认密码 changeit）
keytool -delete -alias prestoservernew -keystore  $JAVA_HOME/jre/lib/security/cacerts


#检查导入成功:
keytool  \
-keystore $JAVA_HOME/jre/lib/security/cacerts  \
-storepass changeit \
-list

# 删除
keytool -delete -alias ldapservern2 -keystore  $JAVA_HOME/jre/lib/security/cacerts
#changeit

#查看证书
keytool -printcert -v -file   $JAVA_HOME/jre/lib/security/dc.cer
Owner: CN=al.al.com
Issuer: CN=al-AL-CA-1, DC=al, DC=com


#查看keystore中证书条目列表
keytool -list -v -keystore presto_keystore_new.jks
```

这就是host文件为什么必须是`al.al.com`

命令行：

```
presto  --server https://bigdata-2.baofoo.cn:8443 \
--keystore-path /etc/presto_keystore.jks  \
--keystore-password Abc123456 \
--catalog mysql \
--schema db1 \
--user yarn \
--password
```

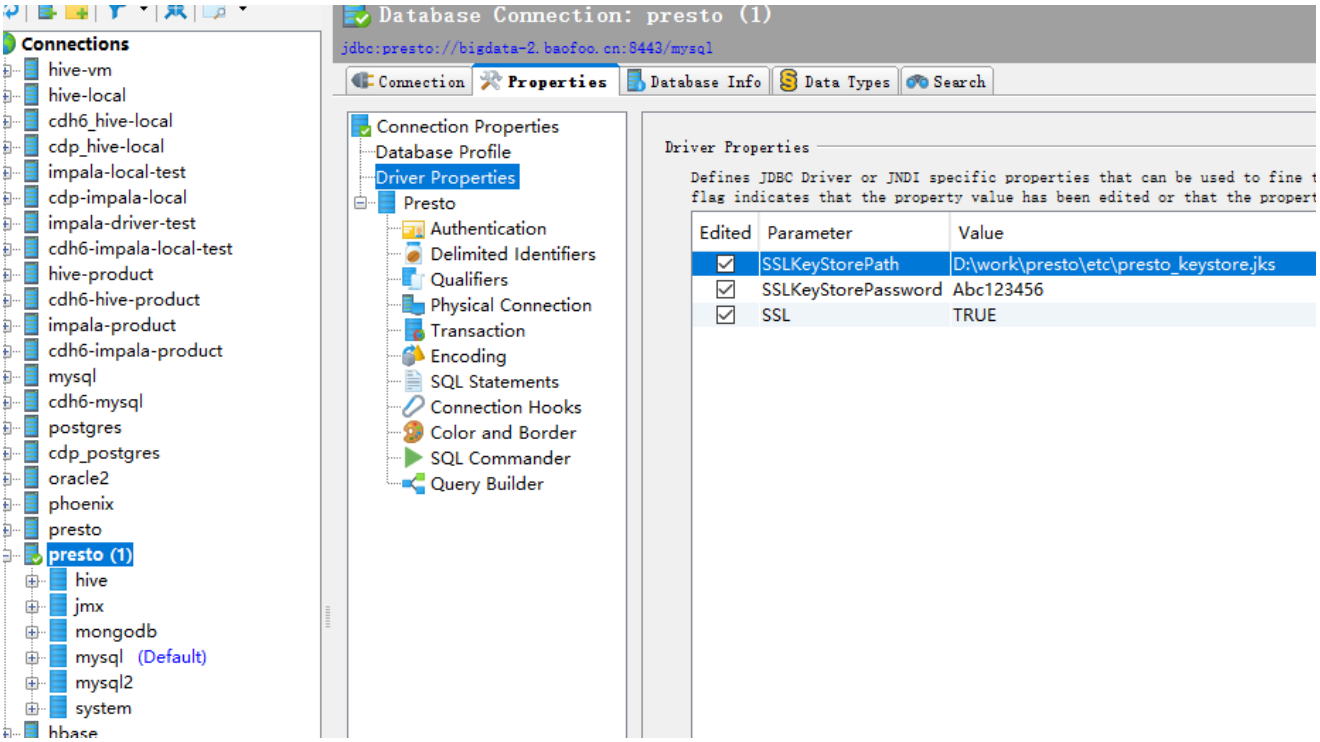
```
[root@~]# presto  --server https://bigdata-2.baofoo.cn:8443 \
> --keystore-path /etc/presto_keystore.jks  \
> --keystore-password Abc123456 \
> --catalog mysql \
> --schema db1 \
> --user yarn \
> --password
Password:
presto:db1> show tables;
        Table
--------------------
 consult_configarea
 consult_content
 consult_contract
 consult_idcardinfo
 consult_record
 consult_recordcount
 module
 module_role
 role
 user
 user_role
(11 rows)

Query 20200518_024225_00016_8th3p, FINISHED, 1 node
Splits: 19 total, 19 done (100.00%)
0:01 [11 rows, 277B] [20 rows/s, 524B/s]

presto:db1>
```

客户端工具

SSL

SSLKeyStorePassword

SSLKeyStorePath



技巧：

分2步操作：

1. 先注释 http-server.authentication.type=PASSWORD ， 生成jks， 启用https 测试成功 再开启
2. 开启PASSWORD开关 导入ldap证书，