

6:10 Start build

Note line "4. Tagging Instnace Name" is misspelled

6:16 Build complete, no errors.

Ambari External IP 35.164.227.14

Ambari Internal IP 172.30.0.39

Nodes Internal IP

172.30.0.54

172.30.0.55

172.30.0.56

172.30.0.57

AD Internal IP 172.30.0.11

6:30 First error on HiveSever2, the Hive View fails to open

File does work. Error log from hiveserver2.log. Attempt to start up hive shell on hive server. TexException about memory. Wants 5120 in the container. Our max is set to 2048. I set the yarn container max men to 6144. Restart.

6:40 Before restart the hive server fails. Shutdown message in the hiveserver2.log.

6:42 Restart YARN - Restart recommends changing the host proxy for hive. I did not accept.

Restart produces enable_hive_interactive error. Ignored.

6:44 Restart Hive. Alerts go away. No error messages in hiveserver2.log. Start hive shell. Shell opens and works. Hive view not responding, but this is most likely network traffic from the hotel.

6:55 Complete Lab 1. Login Complete Lab 2. Configure Skip Lab 3. Security Risk

6:58 Complete Lab 4. Install Knox. Restart all affected services

7:03 Start Lab 5 LDAP/AD

7:25 Complete lab. All sat.

7:32 Complete Lab 6 HadoopAdmin. Functioned the hive view. Network delay. Just patience.

7:39 Start Lab 7 Kerberos. All systems green. logged in as hadoop admin.

7:58 Lab 7 complete. Kerberos reached 99% and then gave the failed error. Completed.

Both the Hive Metastore and Hiveserver2 did not start. Attempted a restart of all Hive.

Log errors:

Hivemetastore.log

```
016-12-01 19:51:46,276 ERROR [main]: metastore.HiveMetaStore
(HiveMetaStore.java:main(6159)) - Metastore Thrift Server threw an exception...
org.apache.hadoop.hive.thrift.DelegationTokenStore$TokenStoreException: Error
creating path /hive/cluster/delegationMETASTORE/keys
    at
org.apache.hadoop.hive.thrift.ZooKeeperTokenStore.ensurePath(ZooKeeperToken
Store.java:166)
```

hiveserver2.log

```
016-12-01 19:54:18,453 WARN [main]: impl.MetricsSystemImpl
(MetricsSystemImpl.java:init(152)) - hiveserver2 metrics system already initialized!
2016-12-01 19:54:18,454 ERROR [main]: metastore.HiveMetaStore
(HiveMetaStore.java:init(516)) - error in Metrics init:
java.lang.reflect.InvocationTargetException null
```

```
2016-12-01 19:54:18,478 WARN [main]: retry.RetryInvocationHandler
(RetryInvocationHandler.java:handleException(217)) - Exception while invoking
ClientNamenodeProtocolTranslatorPB.getFileInfo over null. Not retrying because
try once and fail.
org.apache.hadoop.ipc.RemoteException(org.apache.hadoop.security.AccessCont
rolException): SIMPLE authentication is not enabled. Available:[TOKEN,
KERBEROS]
```

```
2016-12-01 19:57:19,090 INFO [main]: HiveMetaStore.audit
(HiveMetaStore.java:logAuditEvent(391)) - ugi=hive ip=unknown-ip-addr
cmd=Metastore shutdown complete.
```