HBase Name Space Related Commands

# TO CREATE A namespace in HBASE

**hbase(main):011:0> create\_namespace 'gopal\_ns'**

0 row(s) in 0.0340 seconds

hbase(main):011:0>

# TO LIST ALL THE AVAILABLE namespaces

**hbase(main):009:0> list\_namespace**

NAMESPACE

default

gopal\_ns

hbase

3 row(s) in 0.0450 seconds

# TO CREATE A TABLE ‘testtab’ UNDER NAMESPACE ‘gopal\_ns’

**hbase(main):010:0> create 'gopal\_ns:testtab','colfam1'**

0 row(s) in 0.4630 seconds

=> Hbase::Table - gopal\_ns:testtab

hbase(main):011:0>

# TO LIST ALL THE AVAILABLE TABLES UNDER NAMESPACE ‘gopal\_ns’

**hbase(main):018:0> list\_namespace\_tables 'gopal\_ns'**

TABLE

testtab

1 row(s) in 0.0440 seconds

hbase(main):019:0>

# TO INSERT THE DATA INTO ‘testtab’ TABLE UNDER ‘gopal\_ns’ NAMESPACE

**hbase(main):012:0> put 'gopal\_ns:testtab','ROW1','colfam1:CQN1','VALUE1'**

0 row(s) in 0.1560 seconds

**hbase(main):013:0> put 'gopal\_ns:testtab','ROW2','colfam1:CQN2','VALUE2'**

0 row(s) in 0.0080 seconds

**hbase(main):014:0> put 'gopal\_ns:testtab','ROW3','colfam1:CQN3','VALUE3'**

0 row(s) in 0.0080 seconds

# TO READ THE DATA FROM ‘testtab’ TABLE UNDER ‘gopal\_ns’ NAMESPACE

**hbase(main):015:0> scan 'gopal\_ns:testtab'**

ROW COLUMN+CELL

ROW1 column=colfam1:CQN1, timestamp=1505314570039, value=VALUE1

ROW2 column=colfam1:CQN2, timestamp=1505314582664, value=VALUE2

ROW3 column=colfam1:CQN3, timestamp=1505314592194, value=VALUE3

3 row(s) in 0.0280 seconds

# TO DESCRIBE THE NAMESPACE

**hbase(main):031:0> describe\_namespace 'gopal\_ns'**

DESCRIPTION

{NAME => 'gopal\_ns'}

1 row(s) in 0.0090 seconds

# TO ALTER A NAMESPACE

**hbase(main):028:0> alter\_namespace 'gopal\_ns', {METHOD => 'set', 'PROPERTY\_NAME' => 'PROPERTY\_VALUE'}**

# AFTER ALTER NAMESPACE

**hbase(main):032:0> describe\_namespace 'gopal\_ns'**

DESCRIPTION

{NAME => 'gopal\_ns', PROPERTY\_NAME => 'PROPERTY\_VALUE'}

1 row(s) in 0.0040 seconds

**hbase(main):033:0>**

**# TO DROP NAMESPACE**

**hbase(main):033:0> drop\_namespace 'gopal\_ns'**

**ERROR: org.apache.hadoop.hbase.constraint.ConstraintException: Only empty namespaces can be removed. Namespace gopal\_ns has 1 tables**

**at org.apache.hadoop.hbase.master.TableNamespaceManager.remove(TableNamespaceManager.java:186)**

**at org.apache.hadoop.hbase.master.HMaster.deleteNamespace(HMaster.java:3168)**

**at org.apache.hadoop.hbase.master.HMaster.deleteNamespace(HMaster.java:3056)**

**at org.apache.hadoop.hbase.protobuf.generated.MasterProtos$MasterService$2.callBlockingMethod(MasterProtos.java:40508)**

**at org.apache.hadoop.hbase.ipc.RpcServer.call(RpcServer.java:2027)**

**at org.apache.hadoop.hbase.ipc.CallRunner.run(CallRunner.java:98)**

**at org.apache.hadoop.hbase.ipc.FifoRpcScheduler$1.run(FifoRpcScheduler.java:74)**

**at java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:471)**

**at java.util.concurrent.FutureTask.run(FutureTask.java:262)**

**at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1145)**

**at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:615)**

**at java.lang.Thread.run(Thread.java:745)**

**Here is some help for this command:**

**Drop the named namespace. The namespace must be empty.**

**hbase(main):035:0>**

**hbase(main):037:0> drop 'gopal\_ns:testtab'**

ERROR: Table gopal\_ns:testtab is enabled. Disable it first.'

**hbase(main):038:0> disable 'gopal\_ns:testtab'**

0 row(s) in 1.3340 seconds

**hbase(main):039:0> drop 'gopal\_ns:testtab'**

0 row(s) in 0.1810 seconds

**hbase(main):041:0> drop\_namespace 'gopal\_ns'**

0 row(s) in 0.0600 seconds

hbase(main):042:0>

# TO TRUNCATE HBASE TABLE [ KEEPING schema BUT NOT table data ]

**hbase(main):034:0> truncate 'gopal\_ns:testtab'**

Truncating 'gopal\_ns:testtab' table (it may take a while):

- Disabling table...

- Dropping table...

- Creating table...

0 row(s) in 1.9020 seconds