mongod --dbpath c:\data\data1\ --port 27017 --replSet rs0 --oplogSize 128 --logpath c:\data\log\mongo1.log

mongod --dbpath c:\data\data2\ --port 27018 --replSet rs0 --oplogSize 128 --logpath c:\data\log\mongo2.log

mongod --dbpath c:\data\data3\ --port 27019 --replSet rs0 --oplogSize 128 --logpath c:\data\log\mongo3.log

mongo --port 27017

rs.initiate();

rs.add("localhost:27018");

rs.add("localhost:27019");

rs.status()

mongo --port 27018

rs.slaveOk()

rs.secondaryOk();

#To know which one is primary

rs.isMaster()

#On Primary - to force re election

rs.stepDown()

Delayed replica set---->

cfg = rs.config();

cfg.members[1].priority=0

cfg.members[1].hidden=true

cfg.members[1].slaveDelay= 3600

rs.reconfig(cfg)

rs.isMaster();

rs.printReplicationInfo();

rs.printSecondaryReplicationInfo();

Configuring default write concern:

cfg = cfg = rs.config();

cfg.settings = {}

cfg.settings.getLastErrorDefaults = {w:"majority", wtimeout:5000}

rs.reconfig(cfg)

Sharding

=========

Config Servers------>

mongod --configsvr --dbpath c:\data\configdb1\ --port 27018 --replSet conf --logpath c:\data\log\config1.log

mongod --configsvr --dbpath c:\data\configdb2\ --port 27019 --replSet conf --logpath c:\data\log\config2.log

mongo --port 27018

rs.initiate();

rs.add("localhost:27019");

mongos --configdb conf/localhost:27018,localhost:27019

mongo --port 27017

Data Servers------>

mongod --dbpath c:\data\shard1 --port 27021 --replSet shard --shardsvr --logpath c:\data\log\shard1.log

mongod --dbpath c:\data\shard2 --port 27022 --replSet shard --shardsvr --logpath c:\data\log\shard2.log

mongo --port 27021

rs.initiate();

rs.add("localhost:27022");

mongos>

sh.addShard("shard/localhost:27021")

sh.addShard("shard/localhost:27022")

sh.status();

//enabling sharding on a new db

sh.enableSharding("sharddb")

//enable sharding on new collection

sh.shardCollection("sharddb.sharddata",{\_id:1})

Node package manager- v8 runtime engine

npm install mongodb