**Login**

mongo EyesOverCache -u KennyFang -p 123 --port 27017

mongo --port 27017 -u Kenny -p beta --authenticationDatabase admin

mongo Eyesover -u omid -p iasomid1 --host departments.cs.unb.ca

mongo Eyesover -u omid -p iasomid1 --host pc.cs.unb.ca

**Create collection (table):**

db.createCollection(“Kenny”);

show collections

**Create collection (table):**

db.getCollection(“kenny”).drop()

**insert data to that db**

j = { name : “kenny” }

k = { age : 3 }

db.Kenny.insert( j )

db.Kenny.insert( k )

db.Kenny.insert( {name: “Lebron”, age: 15} )

db.Kenny.insert( {name: “Kenny”, age: 10} )

**Select**

db.Kenny.find()

db.Kenny.find( { age : 3} )

db.Kenny.find( { age : 3} ).limit(10)

**Select calmness, sentiment**

db.CachedTweets2.find({}, {\_id: 0, calmness: 1, sentiment: 1})

**Where (Array) Entities.id = 4, and Entities.id = 5**

db.CachedTweets2.find( { $and: [ {"Entities.id": 4 }, { "Entities.id": 5} ] } );

db.CachedTweets2.find( { $or: [ {"Entities.id": 4 }, { "Entities.id": 5} ] } );

db.CachedTweets2.find( { $or: [ {"Topics.id": 4 }, { " Topics.id": 5} ] } );

**Remove**

db.Kenny.remove( {age:3} )

db.Kenny.remove( {} )

**Index**

db.CachedTweets2.ensureIndex( {tweetID: 1})

db.CachedTweets2.ensureIndex( {dateAdded: 1})

db.CachedTweets2.ensureIndex( {rank: 1})

db.CachedTweets2.ensureIndex( {sentiment: 1})

db.CachedTweets2.ensureIndex( {Entities: 1})

db.CachedTweets2.ensureIndex( {Topics: 1})

**for embedded document in an array**

db.CachedTweets2.ensureIndex( {Entities.id: 1})

db.CachedTweets2.getIndexes()

**Statics**

db.CachedTweets.stats()

**Grant Role To User**

db.grantRolesToUser (

“KennyFang”,

[

{role: “userAdminAnyDatabase”, db:”admin”},

{role: “readWrite”, db: ”EyesOverCache”},

{role: “dbAdmin”, db:” EyesOverCache”}

]

)

**Create User**

use EyesOverCache

db.createUser (

{user: “KennyFang”, pwd: “123”, roles: [ {role: “dbAdmin”, db: “EyesOverCache” }, role: “readWrite”, db: “EyesOverCache” },] }

)

**Create or Switch Database**

use EyesOverCache

**Default**

port: 27017

host: localhost

**Install The Database** (<http://docs.mongodb.org/manual/tutorial/install-mongodb-on-windows/> )

1. After installing the MongoDB, create the “data directory’ to stall all data

* (command prompt) md \data\db

1. Start the “mongod.exe”
2. Start the “mongo.exe” (To stop MongoDB, ctrl + c on “mongod” prompt)
3. Add system variables

* new variable pointing to the bin folder
* add the path

**To Use MongoDB** ( <http://docs.mongodb.org/manual/tutorial/getting-started> )

1. Connect to the database: “mongo” or

after creating super user “mongo --port 27017 -u Kenny -p beta --authenticationDatabase admin”

1. Create Database

* check current db: “db”
* “show dbs”
* create new db and switch it, “use EyesOverCache” (it will not really create the new db until you insert record to it)

1. Create User

* “use admin”
* 1. create super user in the “admin” databse

db.createUser (

{

user: “Kenny”,

pwd: “beta”,

roles: [

{

role: “userAdminAnyDatabase”,

db: “admin”

}

]

}

)

1. Create collection (table):

* db.createCollection(“Kenny”);
* show collections: “show collections”

1. insert data to that db

* j = { name : “kenny” }
* k = { age : 3 }
* db.Kenny.insert( j )
* db.Kenny.insert( k ) (now it actually create both the “EyesOverCache” database, and “Kenny” collection)

1. . create actual user to query collection

use EyesOverCache

db.createUser(

{

user: “KennyFang”,

pwd: “123”,

roles: [

{

role: “dbAdmin”,

db: “EyesOverCache”

},

role: “readWrite”,

db: “EyesOverCache”

},

]

}

)

* db.shutdownServer()
* mongod --auth

**Make Windows Service For MongoDB**

Windows 8:

* “Win + X”, then press “A”
* mkdir c:\data\db
* mkdir c:\data\log
* echo logpath=c:\data\log\mongod.log> "C:\Program Files\MongoDB 2.6 Standard\mongod.cfg"
* echo dbpath=c:\data\db>> "C:\Program Files\MongoDB 2.6 Standard\mongod.cfg"
* sc.exe create MongoDB binPath= "\"C:\Program Files\MongoDB 2.6 Standard\bin\mongod.exe\" --service --auth --config=\"C:\Program Files\MongoDB 2.6 Standard\mongod.cfg\"" DisplayName= "MongoDB 2.6 Standard" start= "auto"
* restart

"C:\Program Files\MongoDB 2.6 Standard\bin\mongod.exe" --service --auth --config="C:\Program Files\MongoDB 2.6 Standard\mongod.cfg"

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