

## //RETHINKDB SETUP AND NODE.JS PROCEDURE

### Using Homebrew

*Prerequisites:* Make sure you're on OS X Lion or above ( $\geq 10.7$ ) and have [Homebrew](#) installed.

Run the following in your terminal:

```
brew update && brew install rethinkdb
```

## //USING A MAC. RETHINKDB 2.2.4 IS SIMPLE WHEN UTILIZING HOMEBREW//

```
Nicholess-MBP:~ Nick$ npm install rethinkdb
/Users/Nick
└─ rethinkdb@2.2.1
   └─ bluebird@2.10.2

npm WARN ENOENT ENOENT: no such file or directory, open '/Users/Nick/package.jso
n'
npm WARN EPACKAGEJSON Nick No description
npm WARN EPACKAGEJSON Nick No repository field.
npm WARN EPACKAGEJSON Nick No README data
npm WARN EPACKAGEJSON Nick No license field.
Nicholess-MBP:~ Nick$ npm install rethinkdbdash
/Users/Nick
└─ rethinkdbdash@2.2.18
   └─ bluebird@3.3.1

npm WARN ENOENT ENOENT: no such file or directory, open '/Users/Nick/package.jso
n'
npm WARN EPACKAGEJSON Nick No description
npm WARN EPACKAGEJSON Nick No repository field.
npm WARN EPACKAGEJSON Nick No README data
npm WARN EPACKAGEJSON Nick No license field.
Nicholess-MBP:~ Nick$
```

## DOCUMENTING STEPS INSTALLING JAVASCRIPT DRIVERS

```
Nick — rethinkdb ► rethinkdb — 80x24
Last login: Fri Feb 26 12:58:26 on ttys001
[Nicholess-MacBook-Pro:~ Nick$ rethinkdb
Running rethinkdb 2.2.4 (CLANG 7.0.2 (clang-700.1.81))...
Running on Darwin 15.3.0 x86_64
Loading data from directory /Users/Nick/rethinkdb_data
Listening for intracluster connections on port 29015
Listening for client driver connections on port 28015
Listening for administrative HTTP connections on port 8080
Listening on addresses: 127.0.0.1, ::1
To fully expose RethinkDB on the network, bind to all addresses by running rethi
nkdb with the '--bind all' command line option.
Server ready, "Nicholess_MacBook_Pro_local_k0j" 981b3a03-5119-44d7-b5c4-e51db7af
1581
A newer version of the RethinkDB server is available: 2.2.5. You can read the ch
angelog at <https://github.com/rethinkdb/rethinkdb/releases>.
```

//STARTING UP RETHINKDB

//DEFAULT PORT -> 8080 {localhost:8080}

```
r.dbCreate('dispatch')

r.db('dispatch').tableCreate('test')

r.db('dispatch').table('test')
.insert({
  sender: 'Carry1',
  battery: 89.21212121212122,
  elevation: 0.11060606060606061,
  latitude: 37.642992121212124,
  longitude: -122.41739909090909,
  left_open: false,
  right_open: false,
  light_back_on: true,
  light_front_on: true,
  speed: 2.0,
  filename: '2016-02-22T01:22:00.132580-08:00',
  //file: r.binary(contents) #This is for passing in the photo
});

r.db('dispatch').table('test')
.insert({
  sender: 'Carry2',
  battery: 90.0,
  elevation: 0.15,,
  latitude: 37.642714,
  longitude: -122.417522,
  left_open: false,
  right_open: false,
  light_back_on: true,
  light_front_on: true,
  speed: 2.0,
  filename: '2016-02-22T01:21:44.375004-08:00',
  //file: r.binary(contents) #This is for passing in the photo
});

r.db('dispatch').table('test') #prints out the database and its current values
```

//USING RETHINKDB WEB APP TO TEST OUT THE DATABASE COMMANDS

2 rows returned. Displaying rows 1-2

```
{
  "battery": 89.21212121212122 ,
  "elevation": 0.11060606060606061 ,
  "filename": "2016-02-22T01:22:00.132580-08:00" ,
  "id": "6e7e735c-a7b4-4beb-8ee4-151d4ed6ef4b" ,
  "latitude": 37.642992121212124 ,
  "left_open": false ,
  "light_back_on": true ,
  "light_front_on": true ,
  "longitude": -122.41739909090909 ,
  "right_open": false ,
  "sender": "Carry1" ,
  "speed": 2
}

{
  "battery": 90 ,
  "elevation": 0.15 ,
  "filename": "2016-02-22T01:21:44.375004-08:00" ,
  "id": "05df8408-923f-4d9d-81f2-bf2776f6ea6c" ,
  "latitude": 37.642714 ,
  "left_open": false ,
  "light_back_on": true ,
  "light_front_on": true ,
  "longitude": -122.417522 ,
  "right_open": false ,
  "sender": "Carry2" ,
  "speed": 2
}
```

//RETHINKDB ACCEPTS BINARY OBJECTS SO I LEFT IMAGES TO LATER BE IMPLEMENTED WITH `r.db('dispatch').table('test')`