```
##Check the cluster health
curl 'localhost:9200/ cat/health?v'
##List the nodes in our cluster
curl 'localhost:9200/ cat/nodes?v'
##List the indices in the cluster
curl 'localhost:9200/_cat/indices?v'
##Create an Index
curl -XPUT 'localhost:9200/customer?pretty'
curl 'localhost:9200/_cat/indices?v'
##A possible response
health index pri rep docs.count docs.deleted store.size pri.store.size
yellow customer 5 1
                                          495b
                                                      495b
                            0
##Index and Query a document
curl -XPUT 'localhost:9200/customer/external/1?pretty' -d '
 "name": "John Doe"
curl -XGET 'localhost:9200/customer/external/1?pretty'
##Delete an Index
curl -XDELETE 'localhost:9200/customer?pretty'
curl 'localhost:9200/_cat/indices?v'
curl -XPUT 'localhost:9200/customer'
curl -XPUT 'localhost:9200/customer/external/1' -d '
 "name": "John Doe"
}'
curl 'localhost:9200/customer/external/1'
curl -XDELETE 'localhost:9200/customer'
curl -X<REST Verb> <Node>:<Port>/<Index>/<Type>/<ID>
```

```
##Modifying your Data
curl -XPUT 'localhost:9200/customer/external/1?pretty' -d '
 "name": "John Doe"
}'
curl -XPUT 'localhost:9200/customer/external/1?pretty' -d '
 "name": "Jane Doe"
}'
curl -XPUT 'localhost:9200/customer/external/2?pretty' -d '
 "name": "Jane Doe"
}'
curl -XPOST 'localhost:9200/customer/external?pretty' -d '
 "name": "Jane Doe"
}'
##Updateing Documents
curl -XPOST 'localhost:9200/customer/external/1/_update?pretty' -d '
 "doc": { "name": "Jane Doe" }
}'
curl -XPOST 'localhost:9200/customer/external/1/_update?pretty' -d '
 "doc": { "name": "Jane Doe", "age": 20 }
curl -XPOST 'localhost:9200/customer/external/1/_update?pretty' -d '
 "script": "ctx._source.age += 5"
}'
curl -XDELETE 'localhost:9200/customer/external/2?pretty'
##Batch Processing
curl -XPOST 'localhost:9200/customer/external/_bulk?pretty' -d '
```

```
{"index":{"_id":"1"}}
{"name": "John Doe" }
{"index":{"_id":"2"}}
{"name": "Jane Doe" }
curl -XPOST 'localhost:9200/customer/external/_bulk?pretty' -d '
{"update":{"_id":"1"}}
{"doc": { "name": "John Doe becomes Jane Doe" } }
{"delete":{"_id":"2"}}
##Exploring your Data
Download this....https://github.com/bly2k/files/blob/master/accounts.zip?raw=true
curl -XPOST 'localhost:9200/bank/account/_bulk?pretty' --data-binary "@accounts.json"
curl 'localhost:9200/_cat/indices?v'
##The Search API
curl 'localhost:9200/bank/_search?q=*&pretty'
curl -XPOST 'localhost:9200/bank/ search?pretty' -d '
 "query": { "match_all": {} }
$ curl -XPUT 'http://localhost:9200/twitter/tweet/1' -d '{
  "user": "kimchy",
  "post date": "2009-11-15T14:12:12",
  "message": "trying out Elasticsearch"
}'
curl -XPUT 'localhost:9200/twitter/tweet/1?version=2' -d '{
  "message": "elasticsearch now has versioning support, double cool!"
}'
$ curl -XPUT 'http://localhost:9200/twitter/tweet/1?op_type=create' -d '{
  "user": "kimchy",
  "post_date": "2009-11-15T14:12:12",
  "message": "trying out Elasticsearch"
}'
```

```
#Operation type
$ curl -XPUT 'http://localhost:9200/twitter/tweet/1/_create' -d '{
  "user": "kimchy",
  "post date": "2009-11-15T14:12:12",
  "message": "trying out Elasticsearch"
}'
$ curl -XPOST 'http://localhost:9200/twitter/tweet/' -d '{
  "user": "kimchy",
  "post_date": "2009-11-15T14:12:12",
  "message": "trying out Elasticsearch"
}'
### versioning
$ curl -XPOST 'http://localhost:9200/twitter/tweet/' -d '{
  "user": "kimchy",
  "post_date": "2009-11-15T14:12:12",
  "message": "trying out Elasticsearch"
}'
  " index": "twitter",
  " type": "tweet",
  "_id": "6a8ca01c-7896-48e9-81cc-9f70661fcb32",
  " version": 1,
  "created": true
}
#### routing
$ curl -XPOST 'http://localhost:9200/twitter/tweet?routing=kimchy' -d '{
  "user": "kimchy",
  "post_date": "2009-11-15T14:12:12",
  "message": "trying out Elasticsearch"
}'
###parents and children
$ curl -XPUT localhost:9200/blogs/blog_tag/1122?parent=1111 -d '{
  "tag": "something"
}'
```

```
### GET API####
curl -XGET 'http://localhost:9200/twitter/tweet/1'
curl -XHEAD -i 'http://localhost:9200/twitter/tweet/1'
###source filtering
curl -XGET 'http://localhost:9200/twitter/tweet/1?_source=false'
curl -XGET
'http://localhost:9200/twitter/tweet/1?_source_include=*.id&_source_exclude=entities'
curl -XGET 'http://localhost:9200/twitter/tweet/1?_source=*.id,retweeted'
curl -XGET 'http://localhost:9200/twitter/tweet/1?fields=title,content'
curl -XGET 'http://localhost:9200/twitter/tweet/1/_source'
curl -XGET
'http://localhost:9200/twitter/tweet/1/_source?_source_include=*.id&_source_exclude=entities'
curl -XHEAD -i 'http://localhost:9200/twitter/tweet/1/_source'
curl -XGET 'http://localhost:9200/twitter/tweet/1?routing=kimchy'
######Delete API########
$ curl -XDELETE 'http://localhost:9200/twitter/tweet/1'
$ curl -XDELETE 'http://localhost:9200/twitter/tweet/1?routing=kimchy'
###Update API
curl -XPUT localhost:9200/test/type1/1 -d '{
  "counter": 1,
  "tags" : ["red"]
}'
curl -XPOST 'localhost:9200/test/type1/1/_update' -d '{
  "script" : {
     "inline": "ctx._source.counter += count",
     "params" : {
       "count": 4
```

```
}
}'
curl -XPOST 'localhost:9200/test/type1/1/_update' -d '{
  "script" : {
     "inline": "ctx._source.tags += tag",
     "params" : {
        "tag" : "blue"
    }
}'
curl -XPOST 'localhost:9200/test/type1/1/_update' -d '{
  "script" : "ctx._source.name_of_new_field = \"value_of_new_field\""
}'
curl -XPOST 'localhost:9200/test/type1/1/_update' -d '{
  "script": "ctx._source.remove(\"name_of_field\")"
}'
curl -XPOST 'localhost:9200/test/type1/1/_update' -d '{
  "script" : {
     "inline": "ctx._source.tags.contains(tag) ? ctx.op = \"delete\" : ctx.op = \"none\"",
     "params" : {
       "tag" : "blue"
}'
###partial updates####
curl -XPOST 'localhost:9200/test/type1/1/_update' -d '{
  "doc" : {
     "name" : "new_name"
}'
####upserts
curl -XPOST 'localhost:9200/test/type1/1/_update' -d '{
  "script": {
     "inline": "ctx._source.counter += count",
```