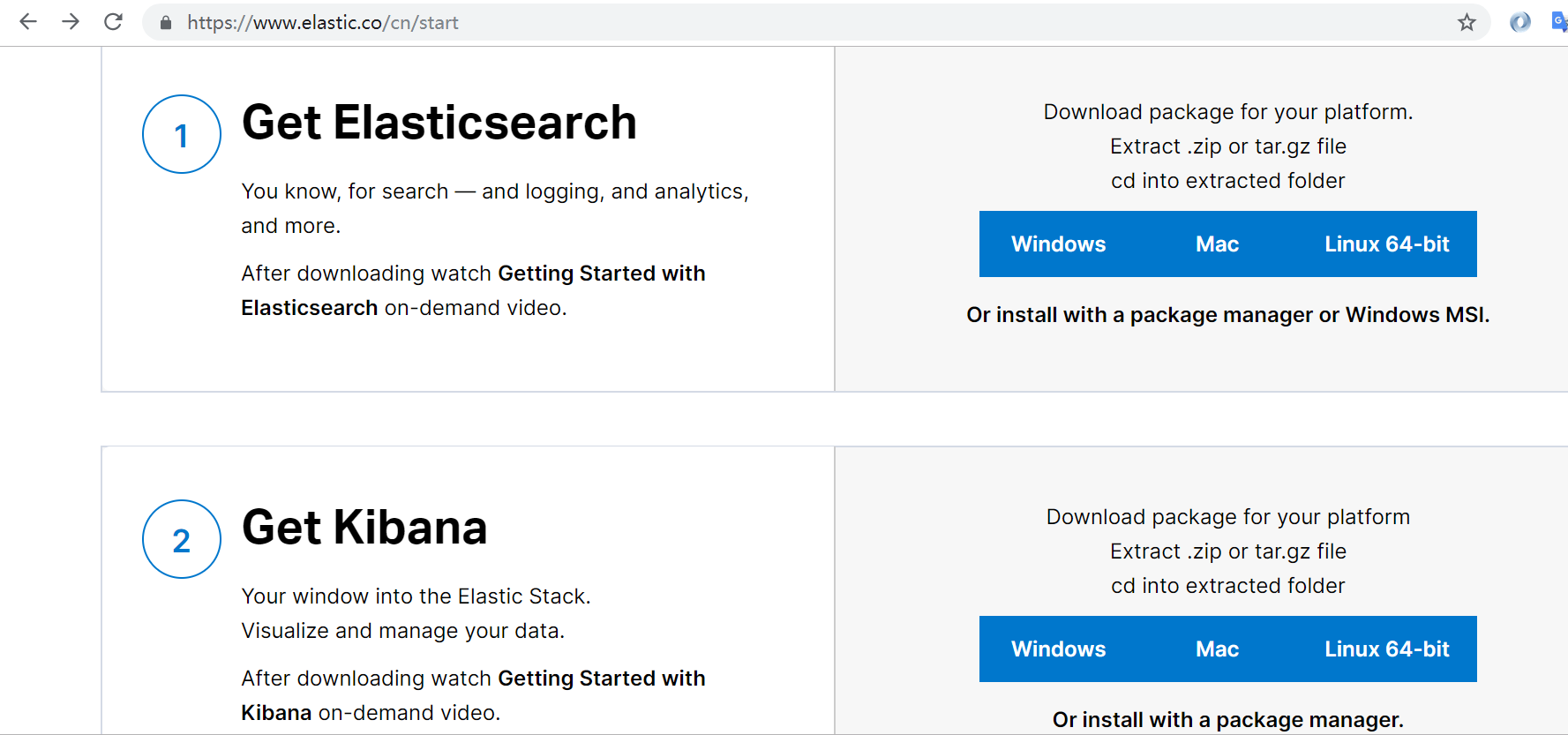
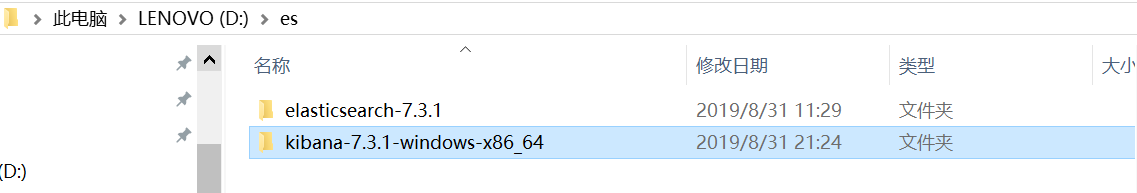
## 一 Elasticsearch widows10下载安装

官网<https://www.elastic.co/cn/start>

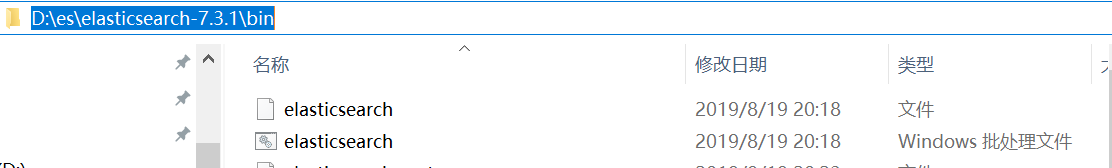
下载Elasticsearch,Kibana安装包

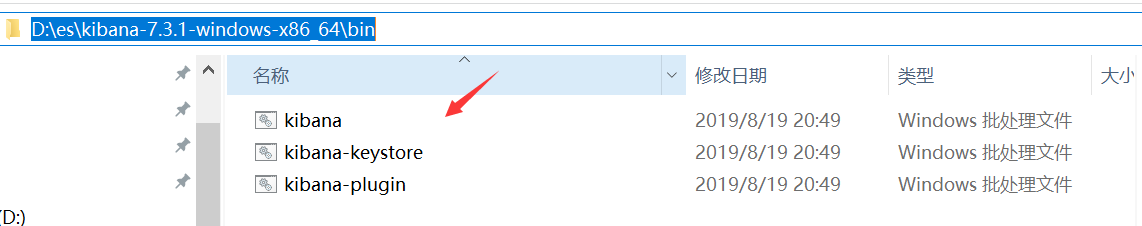


解压缩后

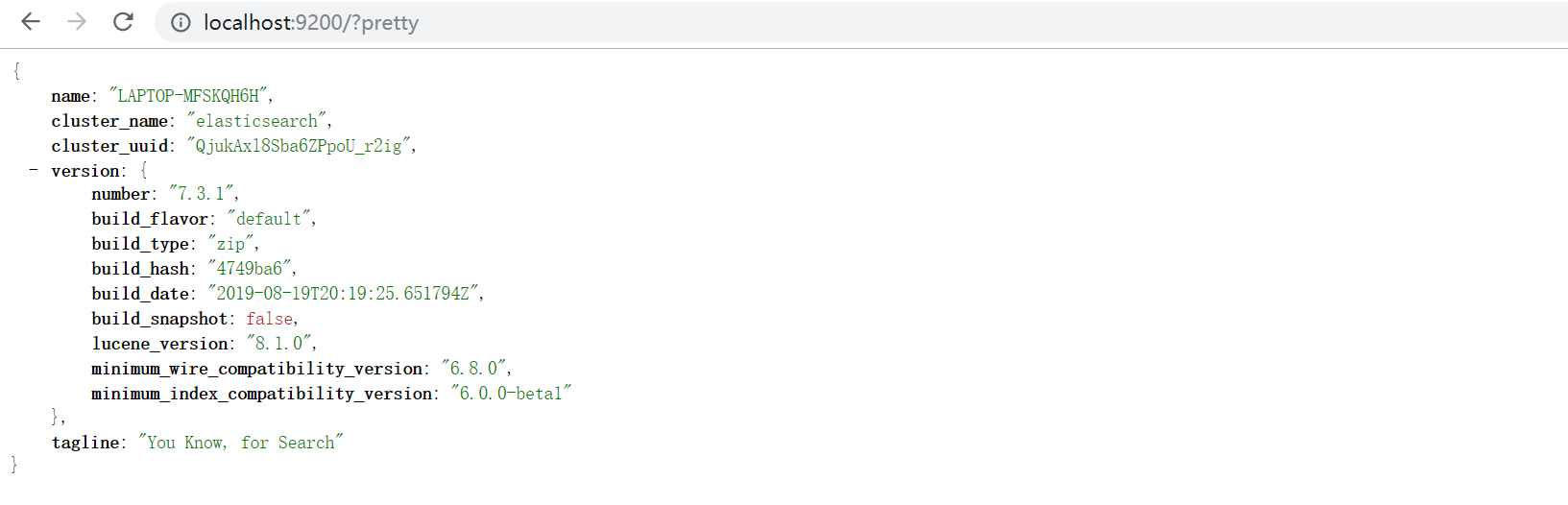


分别启动elasticsearch、Kibana

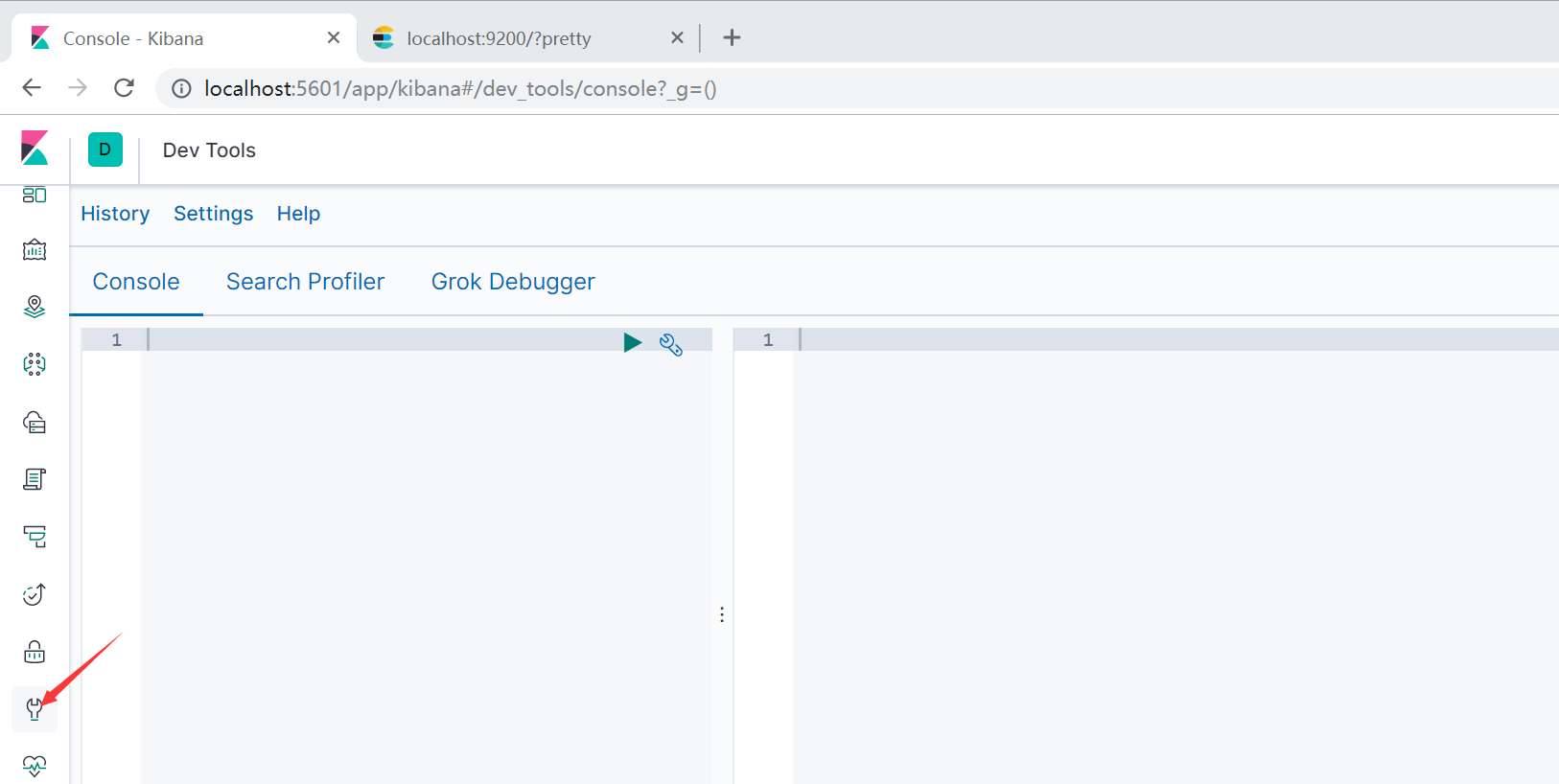




浏览器访问<http://localhost:9200/?pretty>



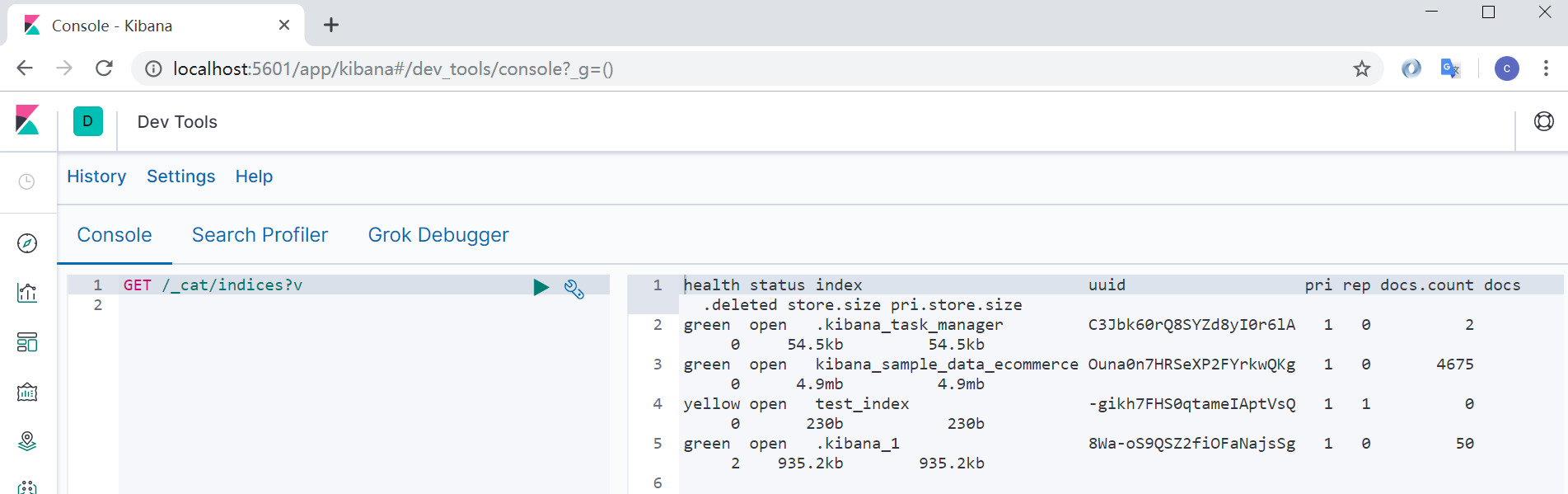
访问Kibana控制台:localhost:5601



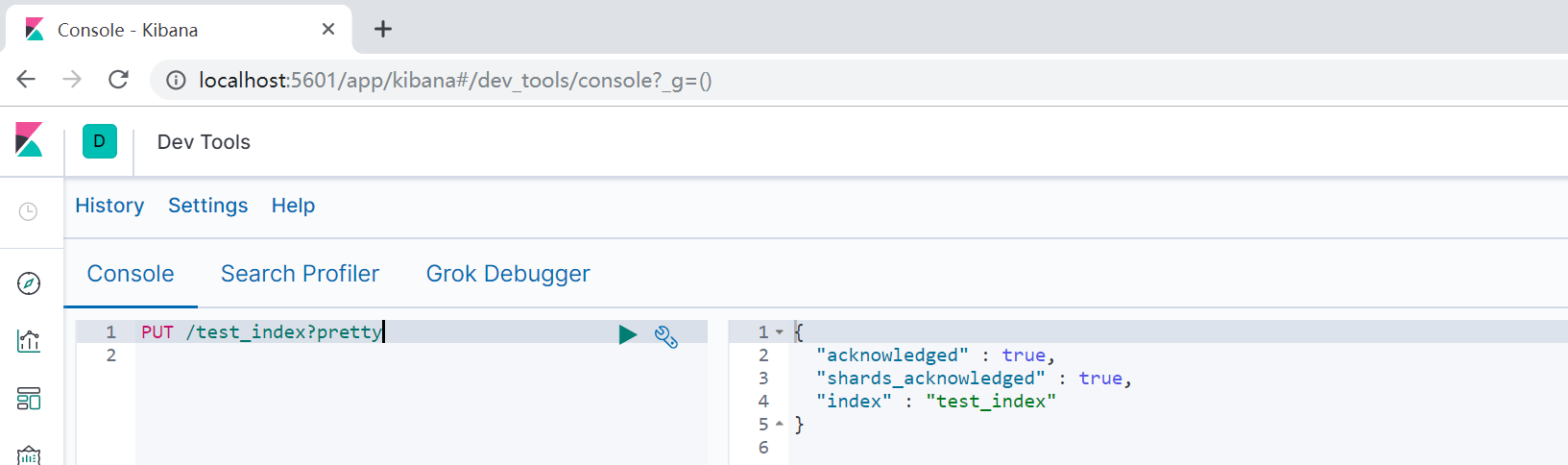
## 二 Elasticsearch集群健康检查、文档CRUD

1. 快速检查集群健康状况

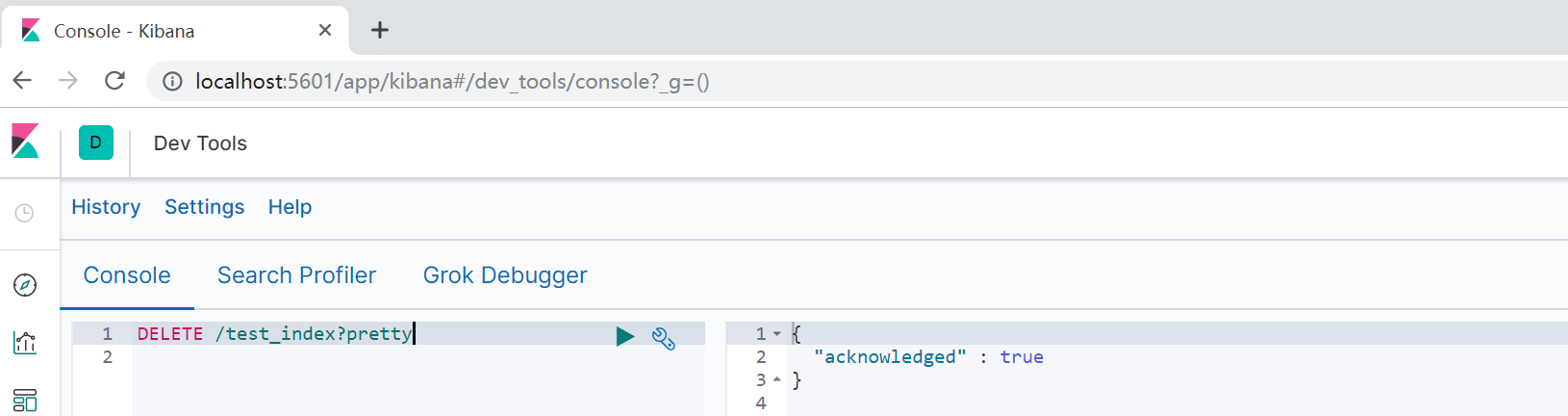
GET /\_cat/indices?v



2.创建索引



删除索引



3.商品的crud

1)创建商品

返回结果

{ PUT /ecommerce/product/3

{

"name":"heirenyajao",

"desc":"meibai",

"price":20,

"producter":"gaolujie",

"tags":["meibai","fanzhu"]

}

"\_index" : "ecommerce",

"\_type" : "product",

"\_id" : "3",

"\_version" : 1,

"result" : "created",

"\_shards" : {

"total" : 2,

"successful" : 1,

"failed" : 0

},

"\_seq\_no" : 4,

"\_primary\_term" : 1

}

2）查询商品

GET /ecommerce/product/3

返回

{

"\_index" : "ecommerce",

"\_type" : "product",

"\_id" : "3",

"\_version" : 1,

"\_seq\_no" : 4,

"\_primary\_term" : 1,

"found" : true,

"\_source" : {

"name" : "heirenyajao",

"desc" : "meibai",

"price" : 20,

"producter" : "gaolujie",

"tags" : [

"meibai",

"fanzhu"

]

}

}

3）修改商品

POST /ecommerce/product/3/\_update

{

"doc":{

"name":"heiranyagao2"

}

}

返回

{

"\_index" : "ecommerce",

"\_type" : "product",

"\_id" : "3",

"\_version" : 2,

"result" : "updated",

"\_shards" : {

"total" : 2,

## 七 Elasticsearch多种搜索方式

查询所有

GET /ecommerce/product/\_search

返回

{

"took" : 9,

"timed\_out" : false,

"\_shards" : {

"total" : 1,

"successful" : 1,

"skipped" : 0,

"failed" : 0

},

"hits" : {

"total" : {

"value" : 2,

"relation" : "eq"

},

"max\_score" : 1.0,

"hits" : [

{

"\_index" : "ecommerce",

"\_type" : "product",

"\_id" : "1",

"\_score" : 1.0,

"\_source" : {

"name" : "yunnanbaiyao3",

"desc" : "meibai",

"price" : 30,

"producter" : "yuannan",

"tags" : [

"meibai",

"fanzhu"

]

}

},

{

"\_index" : "ecommerce",

"\_type" : "product",

"\_id" : "2",

"\_score" : 1.0,

"\_source" : {

"name" : "gaolujie",

"desc" : "meibai",

"price" : 20,

"producter" : "gaolujie",

"tags" : [

"meibai",

"fanzhu"

]

}

}

]

}

}

GET /ecommerce/product/\_search

GET /ecommerce/product/\_search

{

"query":{

"match\_all": {}

}

}

GET /ecommerce/product/\_search

{

"query":{

"match\_all": {}

},

"from":1,

"size":1

}

GET /ecommerce/product/\_search

{

"query":{

"match\_all": {}

},

"\_source":["name","price"]

}

GET /ecommerce/product/\_search

{

"query":{

"bool":{

"must":{

"match":{

"name":"gaolujie"

}

},

"filter":{

"range": {

"price": {

"gte": 10,

"lte": 20

}

}

}

}

}

}

GET /ecommerce/product/\_search

{

"aggs":{

"group\_by\_tags":{

"terms": {

"field": "tags"

}

}

}

}

PUT /ecommerce/\_mapping/product

{

"properties":{

"tags":{

"type":"text",

"fielddata":true

}

}

}

PUT /ecommerce/\_mapping/product

{

"properties": {

"tags": {

"type": "text",

"fielddata": true

}

}

}

GET /ecommerce/product/\_search

{

"size":0,

"aggs":{

"group\_by\_price":{

"range": {

"field": "price",

"ranges": [

{

"from": 0,

"to": 100

}

]

}

}

}

}