# EShw01

1. 安装Elasticsearch、cerebro和kibana，并截图

ES截图 浏览器输入：http://h1:9200/_cluster/health?pretty (http://h1:9200/_cluster/health?pretty)

```
{
  "cluster_name" : "myEs",
  "status" : "green",
  "timed_out" : false,
  "number_of_nodes" : 2,
  "number_of_data_nodes" : 2,
  "active_primary_shards" : 47,
  "active_shards" : 94,
  "relocating_shards" : 0,
  "initializing_shards" : 0,
  "unassigned_shards" : 0,
  "delayed_unassigned_shards" : 0,
  "number_of_pending_tasks" : 0,
  "number_of_in_flight_fetch" : 0,
  "task_max_waiting_in_queue_millis" : 0,
  "active_shards_percent_as_number" : 100.0
}
```

cerebro截图 bin/cerebro -Dhttp.port=9001
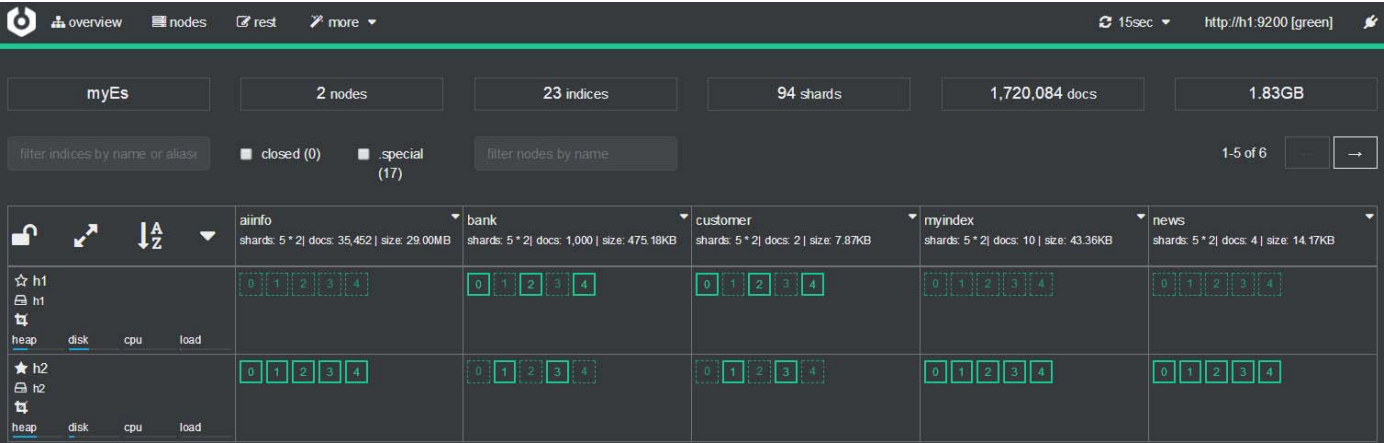
kibana截图 http://h1:5601 (http://h1:5601)

kibana

Console   Search Profiler   Grok Debugger

Discover

Visualize

Dashboard

Timelion

APM

Dev Tools

Monitoring

Management

```
 1   #1. 集群健康查看
 2   GET /_cat/health?v
 3   #2. 查看集群中所有的节点
 4   GET /_cat/nodes?v
 5
 6   #3. 列出所有的index
 7   GET /_cat/indices?v
 8
 9   #4. 创建index
10   PUT /customer?pretty
11   GET /_cat/indices?v
12
13   #5.在customer的index插入一条文档,
     id为1:
14   PUT /customer/_doc/1?pretty
15   {
16     "name": "John Doe"
17   }
18   PUT /customer/_doc/2?pretty
19   {
20     "name": "Ian Luo"
21   }
```

```
 1   {
 2     "took": 43,
 3     "timed_out": false,
 4     "_shards": {
 5       "total": 5,
 6       "successful": 5,
 7       "skipped": 0,
 8       "failed": 0
 9     },
10     "hits": {
11       "total": 1000,
12       "max_score": 0,
13       "hits": []
14     },
15     "aggregations": {
16       "group_by_state": {
17         "doc_count_error_upper_bound": 20,
18         "sum_other_doc_count": 770,
19         "buckets": [
20           {
21             "key": "ID",
22             "doc_count": 27
```

2. 运行一个聚合的例子， 截图

kibana

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```
193       }
194     }
195   }
196 }
197 #5. Aggregations
198 #聚合提供了从数据中分组和提取统计
    量的功能。
199 GET /bank/_search
200 {
201   "size": 0,
202   "aggs": {
203     "group_by_state": {
204       "terms": {
205         "field": "state.keyword"
206       }
207     }
208   }
209 }
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
```

```
 1   {
 2     "took": 11,
 3     "timed_out": false,
 4     "_shards": {
 5       "total": 5,
 6       "successful": 5,
 7       "skipped": 0,
 8       "failed": 0
 9     },
10     "hits": {
11       "total": 1000,
12       "max_score": 0,
13       "hits": []
14     },
15     "aggregations": {
16       "group_by_state": {
17         "doc_count_error_upper_bound": 20,
18         "sum_other_doc_count": 770,
19         "buckets": [
20           {
21             "key": "ID",
22             "doc_count": 27
23           },
24           {
25             "key": "TX",
26             "doc_count": 27
27           },
28           {
29             "key": "AL",
30             "doc_count": 25
31           },
32           {
33             "key": "MD",
34             "doc_count": 25
35           },
36           {
37             "key": "TN",
38             "doc_count": 23
39           },
```

In [ ]: