Elasticsearch for Developer

Starter guide

SPRINT3R

Siam Chamnankit Co., Ltd., Odd-e (Thailand) Co., Ltd. and Alliance

Software Requirement

JDK 1.7 +

Elasticsearch 1.4.2

SPRINT3R

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Installation

http://www.elasticsearch.org/download/

Starting Elasticseach

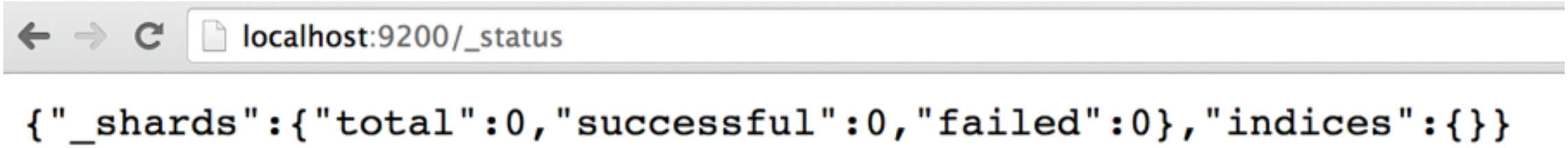
$ bin/elasticsearch

```
[2014-10-05 11:05:13,687][INFO ][node                     ] [Gremlin] version[1.3.4], pid[13984], build[a70f3cc/201
4-09-30T09:07:17Z]
[2014-10-05 11:05:13,687][INFO ][node                     ] [Gremlin] initializing ...
[2014-10-05 11:05:13,693][INFO ][plugins                  ] [Gremlin] loaded [], sites []
[2014-10-05 11:05:16,851][INFO ][node                     ] [Gremlin] initialized
[2014-10-05 11:05:16,851][INFO ][node                     ] [Gremlin] starting ...
[2014-10-05 11:05:16,960][INFO ][transport                ] [Gremlin] bound_address {inet[/0:0:0:0:0:0:0:0:9300]},
publish_address {inet[/192.168.1.34:9300]}
[2014-10-05 11:05:16,987][INFO ][discovery                ] [Gremlin] elasticsearch/8mAGrNt_SfOEUhJHekxmkQ
[2014-10-05 11:05:20,005][INFO ][cluster.service          ] [Gremlin] new_master [Gremlin][8mAGrNt_SfOEUhJHekxmkQ][
somkiatpui.local][inet[/192.168.1.34:9300]], reason: zen-disco-join (elected_as_master)
[2014-10-05 11:05:20,024][INFO ][http                     ] [Gremlin] bound_address {inet[/0:0:0:0:0:0:0:0:9200]},
publish_address {inet[/192.168.1.34:9200]}
[2014-10-05 11:05:20,024][INFO ][node                     ] [Gremlin] started
[2014-10-05 11:05:20,044][INFO ][gateway                  ] [Gremlin] recovered [0] indices into cluster_state
```

Welcome to Elasticsearch


```
{
  "status" : 200,
  "name" : "Gremlin",
  "version" : {
    "number" : "1.3.4",
    "build_hash" : "a70f3ccb52200f8f2c87e9c370c6597448eb3e45",
    "build_timestamp" : "2014-09-30T09:07:17Z",
    "build_snapshot" : false,
    "lucene_version" : "4.9"
  },
  "tagline" : "You Know, for Search"
}
```

ตรวจสอบสถานะ



มันทำงานอย่างไร

```
bin/
        elasticsearch
        plugin
config/
        elasticsearch.yml
        logging.yml
lib/
data/
```

Default port

9300

Internal communication

9200

HTTP REST

เปลี่ยนชื่อ Node

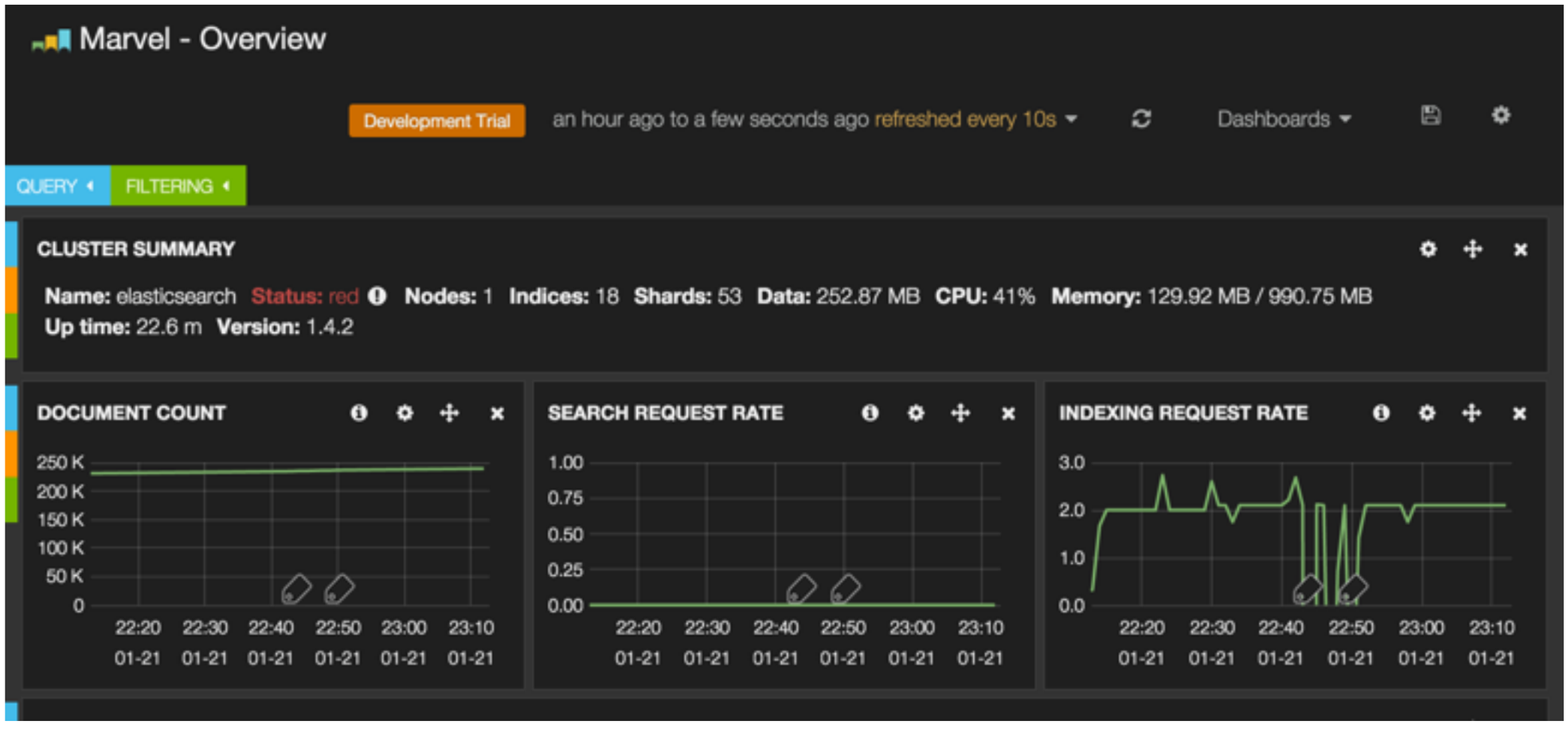
config/elasticsearch.yml

```
node.name=Somkiat
```


```
{
  "status" : 200,
  "name" : "Somkiat",
  "version" : {
    "number" : "1.3.4",
    "build_hash" : "a70f3ccb52200f8f2c87e9c370c6597448eb3e45",
    "build_timestamp" : "2014-09-30T09:07:17Z",
    "build_snapshot" : false,
    "lucene_version" : "4.9"
  },
  "tagline" : "You Know, for Search"
}
```

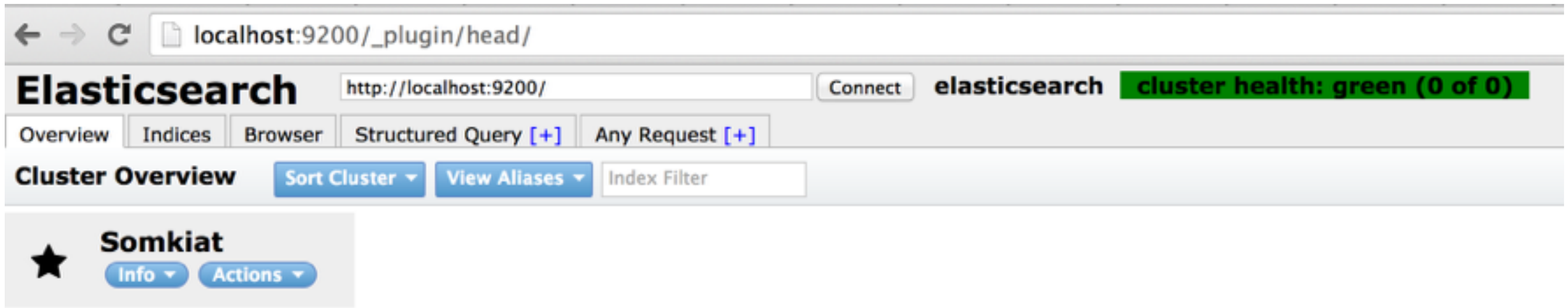
ติดตั้ง Plugin

```
$plugin -install elasticsearch/marvel/latest
```



ติดตั้ง Plugin

```
$plugin -install mobz/elasticsearch-head
```



ลบ Plugin

```
$plugin -remove mobz/elasticsearch-head
```

```
$plugin -remove head
```

Create index

```
curl -XPUT http://localhost:9200/blog/
```

REST APIs

```
curl -XPUT http://localhost:9200/blog/article/1 -d
        '{ "title": "New version of Elastic Search",
           "content": "…",
           "tags":["announce", "elasticsearch",
                   "release"]
        }'
```

REST APIs

ชื่อ INDEX

```
curl -XPUT http://localhost:9200/blog/article/1 -d
     '{ "title": "New version of Elastic Search",
        "content": "…",
        "tags":["announce", "elasticsearch",
                "release"]
     }'
```

REST APIs

ชื่อ TYPE

```
curl -XPUT http://localhost:9200/blog/article/1 -d
    '{ "title": "New version of Elastic Search",
       "content": "…",
       "tags":["announce", "elasticsearch",
               "release"]
    }'
```

ดูข้อมูลหน่อย

curl -XGET http://127.0.0.1:9200/blog/article/_mapping?pretty=true


```
{
  "blog" : {
    "mappings" : {
      "article" : {
        "properties" : {
          "content" : {
            "type" : "string"
          },
          "tags" : {
            "type" : "string"
          },
          "title" : {
            "type" : "string"
          }
        }
      }
    }
  }
}
```

ตรวจสอบผลการทำงาน