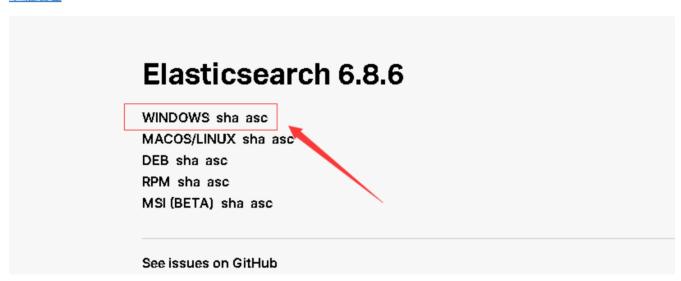# 零基础入门ElasticSearch

当前操作系统环境的介绍

win7 + java1.8 + elasticSearch 6.8.6

一、相关软件的下载与安装

1、演示 `ElasticSearch`

[下载地址](#)

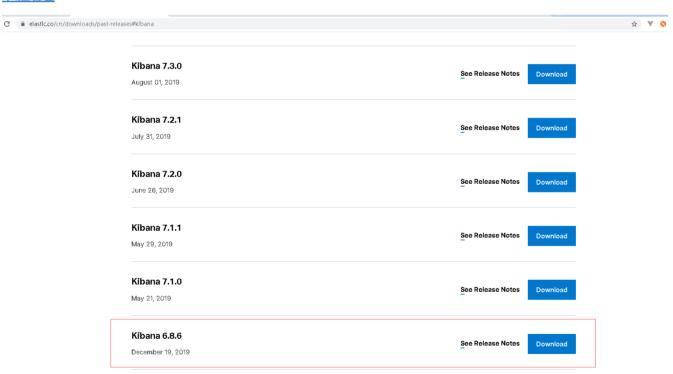解压，切换到bin目录下，双击 `elasticsearch.bat` 启动 `ElasticSearch`

启动完毕，浏览器地址栏输入：`localhost:9200`

```
{
    name: "w9SPrxN",
    cluster_name: "elasticsearch",
    cluster_uuid: "a4Q9OlxGQu2FVIWY1rSpOQ",
  - version: {
        number: "6.8.6",
        build_flavor: "default",
        build_type: "zip",
        build_hash: "3d9f765",
        build_date: "2019-12-13T17:11:52.013738Z",
        build_snapshot: false,
        lucene_version: "7.7.2",
        minimum_wire_compatibility_version: "5.6.0",
        minimum_index_compatibility_version: "5.0.0"
    },
    tagline: "You Know, for Search"
}
```

2、Kibana下载与安装

下载地址

Kibana 7.3.0
August 01, 2019

See Release Notes   Download

Kibana 7.2.1
July 31, 2019

See Release Notes   Download

Kibana 7.2.0
June 26, 2019

See Release Notes   Download

Kibana 7.1.1
May 29, 2019

See Release Notes   Download

Kibana 7.1.0
May 21, 2019

See Release Notes   Download

Kibana 6.8.6
December 19, 2019

See Release Notes   Download

双击 `kibana.bat` 启动

地址栏输入：`http://localhost:5601/`

3、PostMan的准备

[配置标签下载地址](#)

导入

二、ElasticSearch实战

1、分词插件的下载安装与使用

[下载地址](#)

切换到安装目录的bin目录下，进行安装 `IK` 插件

装完 IK 后，记得重启es

2、常用ElasticSearch的使用语法

```
# 建立索引
curl -H "Content-Type: application/json" -X PUT 'localhost:9200/accounts' -d '
{
  "mappings": {
    "person": {
      "properties": {
        "user": {
          "type": "text",
          "analyzer": "ik_max_word",
          "search_analyzer": "ik_max_word"
        },
        "title": {
          "type": "text",
          "analyzer": "ik_max_word",
          "search_analyzer": "ik_max_word"
        },
        "desc": {
          "type": "text",
          "analyzer": "ik_max_word",
          "search_analyzer": "ik_max_word"
        }
      }
    }
  }
}'
# 新增document
curl -H "Content-Type: application/json" -X PUT 'localhost:9200/accounts/person/1' -d '
{
  "user": "张三",
  "title": "工程师",
  "desc": "数据库管理"
}'

curl -H "Content-Type: application/json" -X POST 'localhost:9200/accounts/person' -d '
{
  "user": "李四",
  "title": "工程师",
  "desc": "系统管理"
}'

# 查询
curl 'localhost:9200/accounts/person/1?pretty=true'
# 删除
curl -X DELETE 'localhost:9200/accounts/person/1'
#修改
curl -H "Content-Type: application/json" -X PUT 'localhost:9200/accounts/person/1' -d '
{
    "user" : "张三",
    "title" : "工程师",
```

```
      "desc" : "数据库管理，软件开发"
}'
#查询所有
curl 'localhost:9200/accounts/person/_search'
# 全文检索
curl -H "Content-Type: application/json" 'localhost:9200/accounts/person/_search'  -d '
{
  "query" : { "match" : { "desc" : "软件" }}
}'
# -----
curl -H "Content-Type: application/json" 'localhost:9200/accounts/person/_search'  -d '
{
  "query" : { "match" : { "desc" : "软件 系统" }}
}'
# -----
curl -H "Content-Type: application/json" 'localhost:9200/accounts/person/_search'  -d '
{
  "query": {
    "bool": {
      "must": [
        { "match": { "desc": "软件" } },
        { "match": { "desc": "系统" } }
      ]
    }
  }
}'
```

#查询所有

全文检索