


全文搜索

采用Solr+IK Analyzer进行全文搜索。将索引内容存放于本地json文件中，Indexer调用json文件，建立索引。Searcher设置了高亮功能，方便用户查看结果。

搜索结果如下：



Dashboard

Logging

Core Admin

Java Properties

Thread Dump

book_collection

Overview

Analysis

Dataimport

Documents

Files

Ping

Plugins / Stats

Query

Replication

Schema

Segments info

Request-Handler (qt)

/select

common

q

description:"革命"

fq

sort

start, rows

0 10

fl

df

Raw Query Parameters

key1=val1&key2=val2

wt

indent off

debugQuery

dismax

edismax

hl

http://localhost:8983/solr/book_collection/select?hl.fl=description&hl=on&q=description%3A%22%E9%9D%A9%E5%91%BD%22

```
{
  "responseHeader": {
    "status": 0,
    "QTime": 36,
    "params": {
      "q": "description:\\\"革命\\\"",
      "hl": "on",
      "hl.fl": "description",
      "_": "1634378061370"
    }
  },
  "response": {
    "numFound": 2, "start": 0, "numFoundExact": true, "docs": [
      {
        "id": "3",
        "name": ["货币的非国家化"],
        "description": ["《货币的非国家化——对多元货币的理论与实践的分析》是哈耶克晚年最后一本经济学专著。他在书中颠覆了正统的货币制度观念：既然在一般商",
        "_version_": 1713768634309935104
      },
      {
        "id": "5",
        "name": ["三体"],
        "description": ["文化大革命如火如荼进行的同时。军方探寻外星文明的绝秘计划“红岸工程”取得了突破性进展。但在按下发射键的那一刻，历经劫难的叶文洁设",
        "_version_": 1713768634564739072
      }
    ]
  },
  "highlighting": {
    "3": {
      "description": ["耶克提出了一个<em>革</em><em>命</em><em>性</em>建议：废除中央银行制度，允许私人发行货币，并自由竞争，这个竞争过程将会发现最好的货币。"]
    },
    "5": {
      "description": ["文化大<em>革</em><em>命</em><em>如火</em>如荼进行的同时。军方探寻外星文明的绝秘计划“红岸工程”取得了突破性进展。但在按下发射键的那一刻，
```

Web service

采用基于Soap协议的web service，通过xsd文件，生成相关的类，供server端调用。

由于前端使用的是之前设计的Controller接口，因此新建了一个Spring Boot工程，作为web service的client端。

server端运行结果如下：

```
2021-10-16 19:38:07.720 INFO 13613 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring MessageDispatcherServlet 'messageDispatcherServlet'
2021-10-16 19:38:07.720 INFO 13613 --- [nio-8080-exec-1] o.s.w.t.http.MessageDispatcherServlet : Initializing Servlet 'messageDispatcherServlet'
2021-10-16 19:38:07.725 INFO 13613 --- [nio-8080-exec-1] o.s.ws.soap.saaj.SaajSoapMessageFactory : Creating SAAJ 1.3 MessageFactory with SOAP 1.1 Protocol
2021-10-16 19:38:07.744 INFO 13613 --- [nio-8080-exec-1] o.s.w.t.http.MessageDispatcherServlet : Completed initialization in 24 ms
2021-10-16 19:38:08.167 INFO 13613 --- [nio-8080-exec-1] com.bookstore.search.SolrSearching : Found 1 documents
id: 5; name: 三体
2021-10-16 19:39:52.963 INFO 13613 --- [nio-8080-exec-3] com.bookstore.search.SolrSearching : Found 1 documents
id: 5; name: 三体
```

client端运行结果如下：

```
2021-10-16 19:39:52.801 INFO 13948 --- [nio-8081-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServlet'
2021-10-16 19:39:52.801 INFO 13948 --- [nio-8081-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2021-10-16 19:39:52.806 INFO 13948 --- [nio-8081-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 5 ms
2021-10-16 19:39:52.834 INFO 13948 --- [nio-8081-exec-1] c.b.w.webservice.BookSearchClient : Requesting keyword:如火如荼
2021-10-16 19:39:53.008 INFO 13948 --- [nio-8081-exec-1] c.b.w.webservice.BookSearchClient : Get response length=1
```

localhost:8081/searchBook?keyword=如火如荼

Save

GET

localhost:8081/searchBook?keyword=如火如荼

Send

Params

Authorization

Headers (7)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	keyword	如火如荼			
	Key	Value	Description		

Body

Cookies (1)

Headers (5)

Test Results

Status: 200 OK Time: 491 ms Size: 747 B Save Response

Pretty

Raw

Preview

Visualize

JSON

1

{

2

"booklist": [

3

{

4

"id": "5",

5

"description": "文化大革命如火如荼进行的同时。军方探寻外星文明的绝秘计划“红岸工程”取得了突破性进展。但在按下发射键的那一刻，历经劫难的叶文洁没有意识到，她彻底改变了人类的命运。地球文明向宇宙发出的第一声啼鸣，以太阳为中心，以光速向宇宙深处飞驰……四光年外，“三体文明”正苦苦挣扎——三颗无规则运行的太阳主导下的百余次毁灭与重生逼迫他们逃离母星。人类的末日悄然来临。",

6

"name": "三体"

7

}

8

]