

```
PUT /book
{
  "settings": {},
  "mappings" : {
    "properties" : {
      "description" : {
        "type" : "text",
        "analyzer" : "ik_max_word"
      },
      "name" : {
        "type" : "text",
        "analyzer" : "ik_max_word"
      },
      "price" : {
        "type" : "float"
      },
      "timestamp" : {
        "type" : "date",
        "format" : "yyyy-MM-dd HH:mm:ss|yyyy-MM-dd|epoch_millis"
      }
    }
  }
}
```

```
PUT /book/_doc/1
{
  "name": "lucene",
  "description": "Lucene Core is a Java library providing powerful indexing and search features, as well as spellchecking, hit highlighting and advanced analysis/tokenization capabilities. The PyLucene sub project provides Python bindings for Lucene Core. ",
  "price":100.45,
  "timestamp":"2020-08-21 19:11:35"
}
```

```
PUT /book/_doc/2
{
  "name": "solr",
  "description": "Solr is highly scalable, providing fully fault tolerant distributed indexing, search and analytics. It exposes Lucenes features through easy to use JSON/HTTP interfaces or native clients for Java and other languages.",
  "price":320.45,
  "timestamp":"2020-07-21 17:11:35"
}
```

```
PUT /book/_doc/3
{
  "name": "Hadoop",
  "description": "The Apache Hadoop software library is a framework that allows for the distributed processing of large data sets across clusters of computers using simple programming models.",
  "price":620.45,
  "timestamp":"2020-08-22 19:18:35"
}
```

```

PUT /book/_doc/4
{
  "name": "ElasticSearch",
  "description": "Elasticsearch是一个基于Lucene的搜索服务器。它提供了一个分布式多用户能力的全文搜索引擎，基于RESTful web接口。Elasticsearch是用Java语言开发的，并作为Apache许可条款下的开放源码发布，是一种流行的企业级搜索引擎。Elasticsearch用于云计算中，能够达到实时搜索，稳定，可靠，快速，安装使用方便。官方客户端在Java、.NET（C#）、PHP、Python、Apache Groovy、Ruby和许多其他语言中都是可用的。根据DB-Engines的排名显示，Elasticsearch是最受欢迎的企业搜索引擎，其次是Apache Solr，也是基于Lucene。",
  "price": 999.99,
  "timestamp": "2020-08-15 10:11:35"
}

POST /book/_search
{
  "query": {
    "term": {
      "name": "solr"
    }
  }
}

POST /book/_search
{
  "query": {
    "terms": {
      "name": ["solr", "elasticsearch"]
    }
  }
}

GET /book/_search
{
  "query": {
    "range": {
      "price": {
        "gte": 10,
        "lte": 200,
        "boost": 2.0
      }
    }
  }
}

GET /book/_search
{
  "query": {
    "range": {
      "timestamp": {
        "gte": "now-7d/d",
        "lt": "now/d"
      }
    }
  }
}

GET book/_search
{
  "query": {

```

```
        "range" : {
            "timestamp" : {
                "gte": "18/06/2020",
                "lte": "2021",
                "format": "dd/MM/yyyy||yyyy"
            }
        }
    }
}
```

GET /book/_search

```
{
  "query": {
    "exists" : { "field" : "price" }
  }
}
```

POST /book/_search

```
{
  "query":{
    "prefix":{
      "name":"so"
    }
  }
}
```

GET /book/_search

```
{
  "query": {
    "wildcard" : { "name" : "So*r" }
  }
}
```

GET /book/_search

```
{
  "query": {
    "wildcard": {
      "name": {
        "value": "lu*",
        "boost": 2
      }
    }
  }
}
```

GET /book/_search

```
{
  "query": {
    "regexp":{
      "name": "s.*"
    }
  }
}
```

GET /book/_search

```
{
  "query": {
```

```
    "regexp":{
      "name": {
        "value":"s.*",
        "boost":1.2
      }
    }
  }
}
```

GET /book/_search

```
{
  "query": {
    "fuzzy" : { "name" : "so" }
  }
}
```

GET /book/_search

```
{
  "query": {
    "fuzzy" : {
      "name" : {
        "value": "so",
        "boost": 1.0,
        "fuzziness": 2
      }
    }
  }
}
```

GET /book/_search

```
{
  "query": {
    "fuzzy" : {
      "name" : {
        "value": "sorl",
        "boost": 1.0,
        "fuzziness": 2
      }
    }
  }
}
```

GET /book/_search

```
{
  "query": {
    "ids" : {
      "values" : ["1", "3"]
    }
  }
}
```

POST /book/_search

```
{
  "query":{
    "terms":{
      "_id":[1,3]
    }
  }
}
```

