

8.2 OTRAS QUERIES

Otras de las queries DSL menos populares pero igual de importantes y útiles para determinados casos de uso son las siguientes:

Compound Queries

Envuelven otras consultas, ya sea para combinar sus resultados/scores, para modificar su comportamiento o para cambiar el contexto a filtrado.

- **Must Query**

```
curl -X GET "192.168.1.31:9200/twitter/tweet/_search?pretty" -H 'Content-Type: application/json' -d'
{
  "query": {
    "bool" : {
      "must" : {
        "term" : { "user" : "udemy2" }
      }
    }
  }
}'
```

- **Should Query**

```
curl -X GET "192.168.1.31:9200/twitter/tweet/_search?pretty" -H 'Content-Type: application/json' -d'
{
  "query": {
    "bool" : {
      "should" : [
        { "term" : { "user" : "udemy2" } },
        { "term" : { "user" : "elk" } }
      ],
      "minimum_should_match" : 1,
      "boost" : 1.0
    }
  }
}'
```

```
curl -X GET "192.168.1.31:9200/twitter/tweet/_search?pretty" -H 'Content-Type: application/json' -d'
{
  "query": {
    "bool" : {
      "should" : [
        { "term" : { "user" : "udemy2" } },
        { "term" : { "user" : "elk" } }
      ],
      "minimum_should_match" : 2,
      "boost" : 1.0
    }
  }
}'
```

```
curl -X GET "192.168.1.31:9200/twitter/tweet/_search?pretty" -H 'Content-Type: application/json' -d'
{
  "query": {
    "bool" : {
      "should" : [
        { "term" : { "user" : "udemy2" } },
        { "term" : { "likes_enabled" : "yes" } }
      ],
      "minimum_should_match" : 2,
      "boost" : 1.0
    }
  }
}'
```

Joining Queries

La realización de JOINS (como en SQL) es muy pesado (recursos). Elasticsearch ofrece dos alternativas:

- **Nested Query**

```
curl -X PUT "192.168.1.31:9200/my_index?pretty" -H 'Content-Type: application/json' -d'
{
  "mappings": {
    "_doc": {
      "properties": {
        "user": {
          "type": "nested"
        }
      }
    }
  }
}
```

```
curl -X PUT "192.168.1.31:9200/my_index/_doc/1" -H 'Content-Type: application/json' -d'
{
  "group" : "fans",
  "user" : [
    {
      "first" : "John",
      "last" : "Smith"
    },
    {
      "first" : "Alice",
      "last" : "White"
    }
  ]
}
```

```
curl -X GET "192.168.1.31:9200/my_index/_search?pretty" -H 'Content-Type: application/json' -d'
{
  "query": {
    "bool" : {
      "must" : {
        "term" : { "user" : "Alice" }
      }
    }
  }
}
```

```
curl -X GET "192.168.1.31:9200/my_index/_search?pretty" -H 'Content-Type: application/json' -d'
{
  "query": {
    "nested": {
      "path": "user",
      "query": {
        "bool": {
          "must": [
            { "match": { "user.first": "Alice" }}
          ]
        }
      }
    }
  }
}'
```

Specialized Queries

- **Wrapper Query**

```
curl -X GET "192.168.1.31:9200/twitter/tweet/_search?pretty" -H 'Content-Type: application/json' -d'
{
  "query" : {
    "wrapper": {
      "query" : "eyJmcmVzIjoiYm9keS50dG90IiwiaGF0aW0gfQ=="
    }
  }
}'
```