

## 8.1 FULL TEXT Y TERM QUERIES

En este documento se muestran los comandos ejecutados en la clase para la carga de eventos y las posteriores consultas DSL sobre los mismos.

### Match All y Match None

Todos los resultados o ningún resultado:

```
GET /_search
{
  "query": {
    "match_all": {}
  }
}
```

```
GET /_search
{
  "query": {
    "match_none": {}
  }
}
```

### Carga de datos

Utilizando la API se indexarán los eventos de prueba utilizados para una mejor comprensión de las consultas DSL:

```
curl -XPUT '192.168.1.31:9200/twitter/tweet/10?pretty' -H 'Content-Type: application/json' -d'
{
  "user" : "udemy",
  "post_date" : "2018-10-21T15:35:20",
  "message" : "Este tweet es el numero 10"
}
'

curl -XPUT '192.168.1.31:9200/twitter/tweet/11?pretty' -H 'Content-Type: application/json' -d'
{
  "user" : "udemy",
  "post_date" : "2018-10-21T15:35:20",
  "message" : "Este tweet es el numero 11"
}
'
```

```
'  
curl -XPUT '192.168.1.31:9200/twitter/tweet/12?pretty' -H 'Content-Type: applicati  
on/json' -d'
```

```
{  
  "user" : "elk",  
  "post_date" : "2018-10-21T15:35:20",  
  "message" : "Este tweet no es el numero 12"  
}
```

```
'  
curl -XPUT '192.168.1.31:9200/twitter/tweet/13?pretty' -H 'Content-Type: applicati  
on/json' -d'
```

```
{  
  "user" : "udemy2",  
  "post_date" : "2018-10-21T15:35:20",  
  "message" : "Este tweet es el numero 13",  
  "likes_enabled" : "yes"  
}
```

```
'  
curl -XPUT '192.168.1.31:9200/twitter/tweet/14?pretty' -H 'Content-Type: applicati  
on/json' -d'
```

```
{  
  "user" : "udemy",  
  "post_date" : "2018-10-21T15:35:20",  
  "message" : "Este tweet no es el numero 14"  
}
```

```
'  
curl -XPUT '192.168.1.31:9200/twitter/tweet/15?pretty' -H 'Content-Type: applicati  
on/json' -d'
```

```
{  
  "user" : "udemy2",  
  "post_date" : "2018-10-21T15:35:20",  
  "message" : "Este tweet es el numero 15"  
}
```

```
'  
curl -XPUT '192.168.1.31:9200/twitter/tweet/16?pretty' -H 'Content-Type: applicati  
on/json' -d'
```

```
{  
  "user" : "udemy",  
  "post_date" : "2018-10-21T15:35:20",  
  "message" : "El usuario udemy2 escribe el tweet numero 16",  
  "likes_enabled" : "yes"  
}
```

En el hipotético, que haya que borrar algún tweet se puede hacer también mediante la API pasándole el identificador del mismo con el siguiente comando:

```
curl -XDELETE 'http://192.168.1.31:9200/twitter/tweet/10?pretty'
```

## FULL TEXT QUERIES

- **Match Query**

```
curl -X GET "192.168.1.31:9200/twitter/tweet/_search?pretty" -H 'Content-Type: application/json' -d'
{
  "query": {
    "match" : {
      "message" : "Este tweet es el numero 10"
    }
  }
}'
```

```
{
  "query": {
    "match" : {
      "message" : {
        "query" : "Este tweet es el numero 10",
        "operator" : "and"
      }
    }
  }
}'
```

- **Match Phrase Query**

```
curl -X GET "192.168.1.31:9200/twitter/tweet/_search?pretty" -H 'Content-Type: application/json' -d'
{
  "query": {
    "match_phrase" : {
      "message" : "Este tweet no es el"
    }
  }
}'
```

- **Multi Match Query**

```
curl -X GET "192.168.1.31:9200/twitter/tweet/_search?pretty" -H 'Content-Type: application/json' -d'
{
  "query": {
    "multi_match" : {
      "query": "udemy2",
      "fields": [ "user", "message" ]
    }
  }
}
```

- **Query String Query**

```
curl -X GET "192.168.1.31:9200/twitter/tweet/_search?pretty" -H 'Content-Type: application/json' -d'
{
  "query": {
    "query_string" : {
      "default_field" : "message",
      "query" : "12 OR 14"
    }
  }
}
```

## TERM LEVEL QUERIES

- **Match vs Term Query**

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

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

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

- **Terms Query**

```
curl -X GET "192.168.1.31:9200/twitter/tweet/_search?pretty" -H 'Content-Type: application/json' -d'
{
  "query": {
    "terms" : {
      "user" : ["elk", "udemy2"]
    }
  }
}
'
```

- **Exists Query**

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

- **Wildcard Query**

```
curl -X GET "192.168.1.31:9200/twitter/tweet/_search?pretty" -H 'Content-Type: application/json' -d'
{
  "query": {
    "wildcard" : {
      "user" : "ude*"
    }
  }
}
'
```

```
curl -X GET "192.168.1.31:9200/twitter/tweet/_search?pretty" -H 'Content-Type: application/json' -d'
{
  "query": {
    "wildcard" : {
      "user" : "ude*2"
    }
  }
}
'
```