

Rapport : Big data - Redis

R5.C.06

13.11.2025

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Introduction

Ce rapport a été réalisé lors du TP Big data - ElasticSearch. Dans ce rapport, je reprends les titres et questions du sujet.

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1 - Introduction

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2 - Deployment

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3 - Tutorial

3.1 Index creation

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4 - Activities

4.1 - URL

1. 82 minutes movies

http://localhost:9200/juline-guyomard-movies/_search?pretty&q=runtime:82

2. Movies which title contains christmas

http://localhost:9200/juline-guyomard-movies/_search?pretty&q=title:christamas

3. Movies which title contains christmas or prince

http://localhost:9200/juline-guyomard-movies/_search?pretty&q=title:christamas%20OR%20title:prince

4. Movies which title contains christmas and prince

http://localhost:9200/juline-guyomard-movies/_search?pretty&q=title:christamas%20AND%20title:prince

5. Movies which budget greater than 250000000

http://localhost:9200/juline-guyomard-movies/_search?pretty&q=budget:>250000000

6. Movies which runtime is between 65 and 75 (2 versions)

[http://localhost:9200/juline-guyomard-movies/_search?pretty&q=runtime:\[65 TO 75\]](http://localhost:9200/juline-guyomard-movies/_search?pretty&q=runtime:[65 TO 75])

7. Movies which title contains prince, limited to 2 results

http://localhost:9200/juline-guyomard-movies/_search?pretty&q=title:prince&size=2

8. Movies which title contains star but not wars

http://localhost:9200/juline-guyomard-movies/_search?pretty&q=title:star%20AND%20NOT%20title:wars

9. Movies which title is star wars

[http://localhost:9200/juline-guyomard-movies/_search?pretty&q=title:"star wars"](http://localhost:9200/juline-guyomard-movies/_search?pretty&q=title:)

10. One 90-minute movie

http://localhost:9200/juline-guyomard-movies/_search?pretty&q=runtime:90&size=1

11. 95-minute movies which title does not contain 2 and a budget greater than or equal to \$150000000

http://localhost:9200/juline-guyomard-movies/_search?pretty&q=runtime:95%20AND%20budget:>=150000000%20AND%20NOT%20title:2

12. Shortest movie

http://localhost:9200/juline-guyomard-movies/_search?pretty&q=sort=runtime:asc&size=1

4.2 - DSL

1. Longer than 170 minutes movies

```
{
  "query": {
    "range": {
      "runtime": { "gt": 170}
    }
  }
}
```

2. Movies which title contains star

```
{
  "query": {
    "match": {
      "title": "star"
    }
  }
}
```

3. Movies which title is Aladdin

```
{
  "query": {
    "term": {
      "title": "Aladdin"
    }
  }
}
```

4. Movies which title contains star or wars

```
{
  "bool": {
    "should": [
      {"term": {"title": "star"}},
      {"term": {"title": "wars"}}
    ]
  }
}
```

5. Movies which title contains star and not wars

```
{
  "bool": {
    "must not": {"match": {"title": "Wars" }},
    "must": {"match": {"title": "star" }},
  }
}
```

6. Movies which title contains star and wars (both of them)

```
{
  "bool": {
    "must": [
      {"term": {"title": "star" }},
      {"term": {"title": "wars" }}
    ]
  }
}
```

7. 136 minute movies which title contains star

```
{
  "query": {
    "bool": {
      "must": {
        "match": {
          "runtime": 136
        },
        "match": {
          "title": "star"
        }
      }
    }
  }
}
```

```
        },
      }
    }
  }
```

8. 136 or 60 minute movies

```
{
  "bool": {
    "should": [
      {"term": { "runtime": 136 }},
      {"term": { "runtime": 60 }}
    ]
  }
}
```

9. Average runtime

```
{
  "aggs":{
    "average":{
      "avg": { "field": "runtime"}
    }
  }
}
```

10. Budget of the most expensive movie

11. Movies sorted per revenue

12. Distinct runtimes

4.3 - More queries

1. **Movie with a runtime equal to 90 or 120 and a budget different than 28000000 which title contains Puss or Panda but not Romeo (2 versions in URL and at least one with + or -)**
2. **Average runtime of the movie with a budget greater than 1000000.**

5 - Références

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