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Elasticsearch Bool,Mus

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explain bool,must,must\_not,should,filter with example in elasticsearch



In Elasticsearch, the "bool" query is used to combine multiple query clauses together. It can be used to match documents that match one or more clauses, or that match none of the clauses. The "must" clause is used to specify that a document must match all of the conditions specified in the clause, while the "must\_not" clause is used to specify that a document must not match any of the conditions specified in the clause. The "should" clause is used to specify that a document should match at least one of the conditions specified in the clause, but it's not a requirement.



The "filter" query is used to filter the search results based on certain conditions. The filter query is not used to calculate relevance score, it is only used to filter the results.

For example, if you want to search for documents that contain the term "elasticsearch" in the title and the term "openai" in the body, but should not contain the term "deprecated" in the body, you could use the following query:

Copy code

```
{
  "query": {
    "bool": {
      "must": [
        {"match": {"title": "elasticsearch"}},
        {"match": {"body": "openai"}}
      ],
      "must_not": [
        {"match": {"body": "deprecated"}}
      ],
      "should": [
        {"match": {"body": "new"}}
      ]
    }
  }
}
```

The above query will return documents that match the "must" clauses and don't match the "must\_not" clause and at least one of the "should" clause.