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
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
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
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What is fuzzy matching in elasticsearch?



Fuzzy matching in Elasticsearch is a technique for finding documents that are similar to a given search query, even if they do not exactly match the query. This is achieved by using a "fuzziness" parameter, which allows for a certain level of "fuzziness" or inexactness in the matching. The fuzzy matching algorithm in Elasticsearch uses the Levenshtein distance algorithm to determine the similarity between two strings. This can be useful in situations where the user's query may contain typographical errors or variations in spelling, for example.



What is fuzzy matching in elasticsearch with example ?



Fuzzy matching in Elasticsearch is a technique that allows for finding documents that are similar to a given search query, even if they do not exactly match the query. The "fuzziness" parameter in Elasticsearch can be used to specify the level of inexactness allowed in the matching.



For example, if you have a search query for "jhon smith" and you want to find documents that contain similar names, but may have a typographical error or a variation in spelling, you could use fuzzy matching.

You can use the "fuzzy" query to enable fuzzy matching in Elasticsearch. Here's an example of how you would use it in a search query:

Copy code

```
GET /index/_search
{
  "query": {
    "fuzzy": {
      "name": {
        "value": "jhon smith",
        "fuzziness": 2
      }
    }
  }
}
```

In this example, the "fuzzy" query is used to match documents in the "index" index that contain the name "jhon smith", with a fuzziness of 2. This means that the Elasticsearch will match documents that are up to 2 changes (insertions, deletions, or substitutions) away from the search query.

The result of this query would be a list of documents that contain similar names, such as "john smith" or "jhon smythe".

You could also use "fuzzy_like_this" query which will find similar documents based on a set of fields in your index rather than just one.