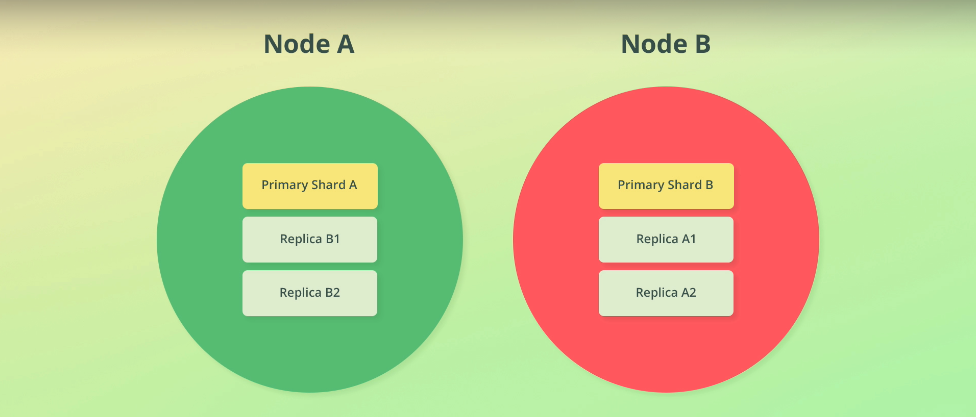
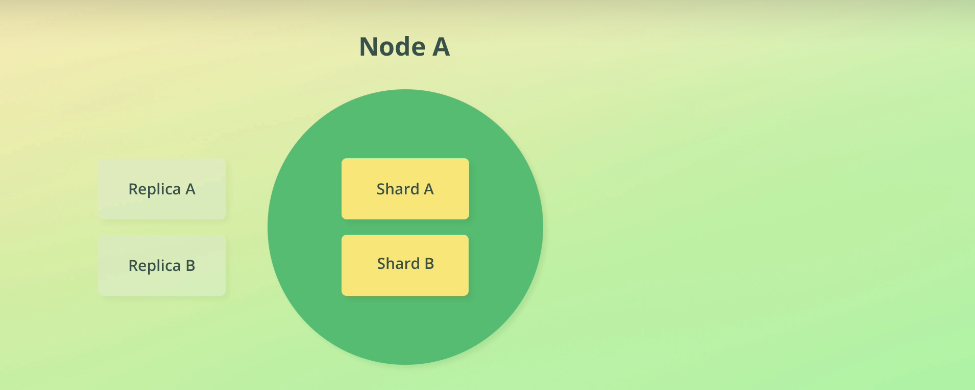
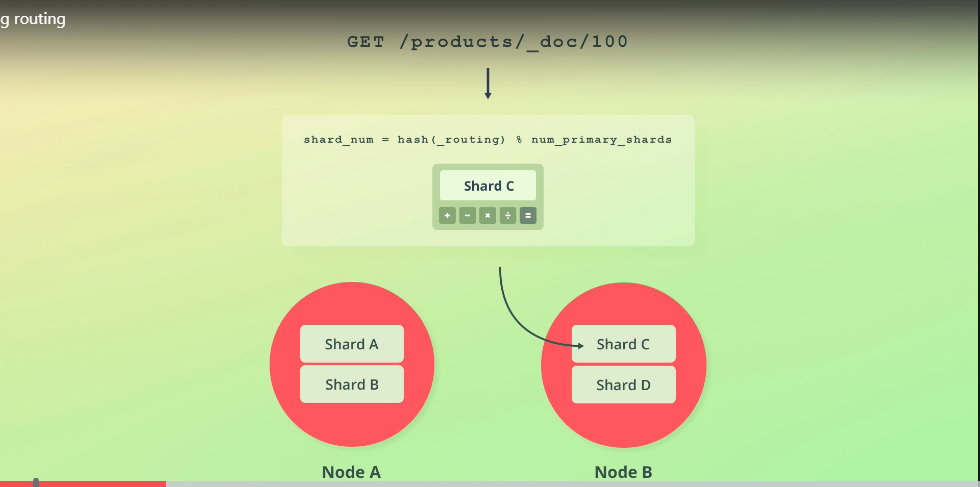
Elastic Shard Replication

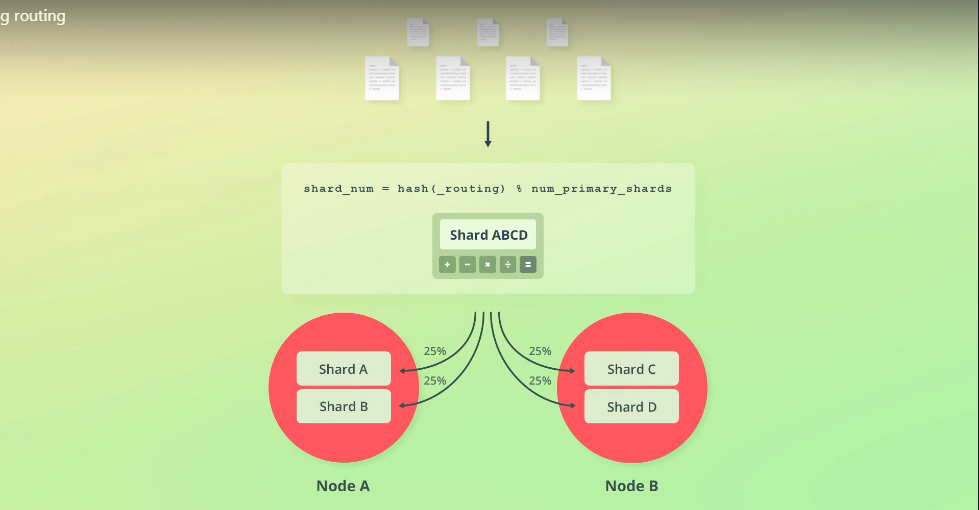






Understanding Routing:





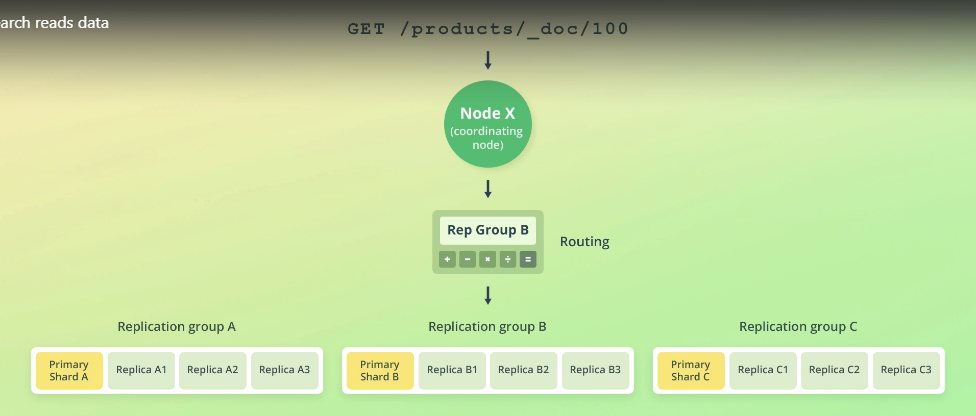
Why Elasticsearch does not allow changing no. of primary shard once the index is created?

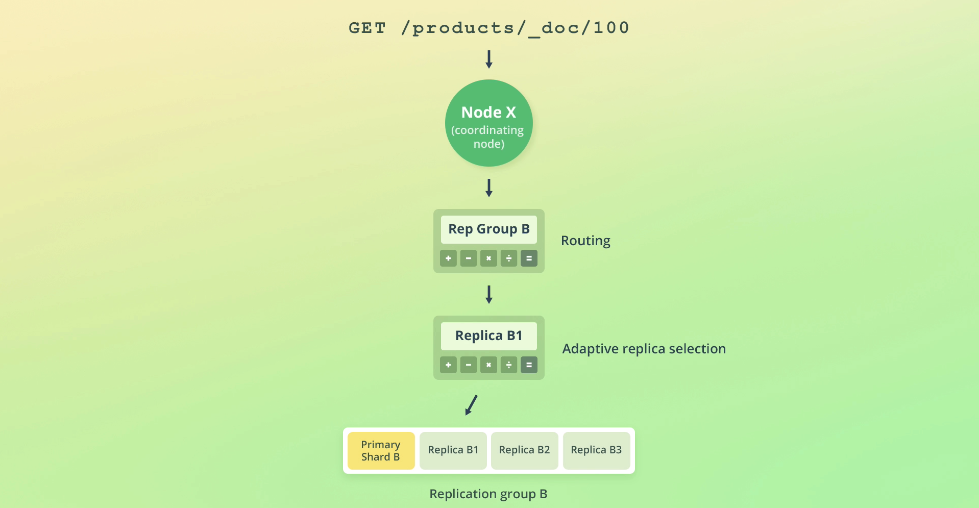
shard\_num = hash(\_routing) % num\_primary\_shards



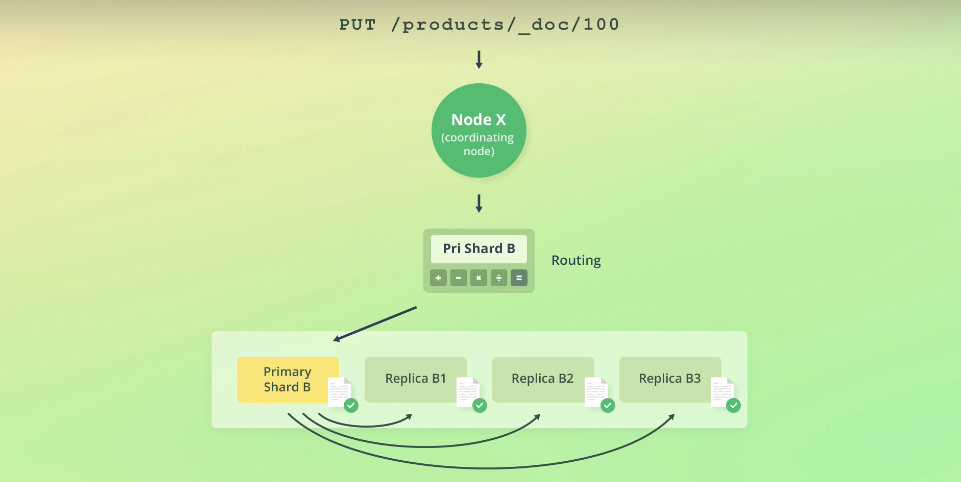


Elasticsearch Read documents workflow

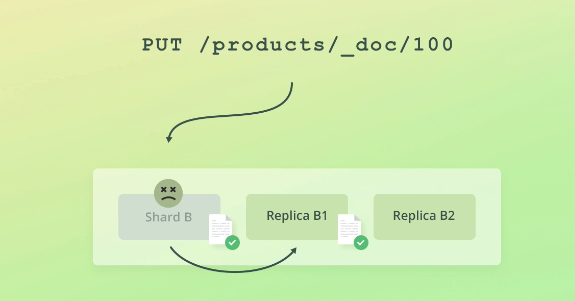


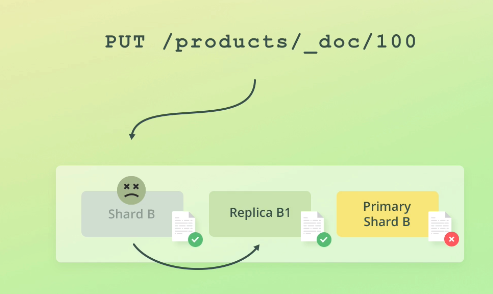


How Elasticsearch writes data

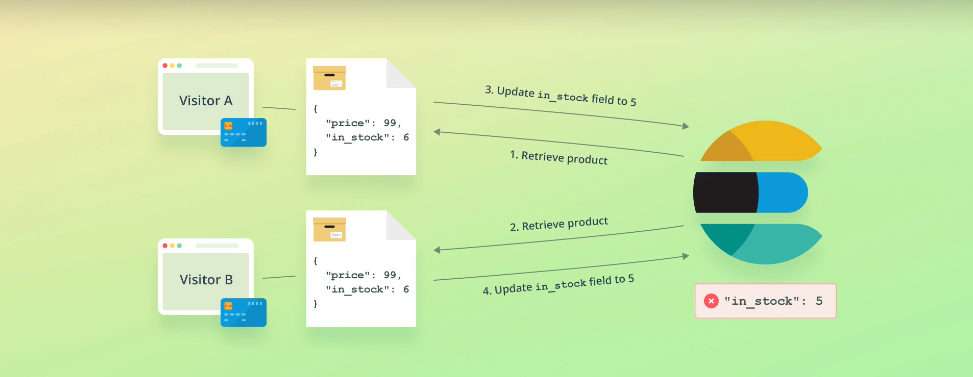


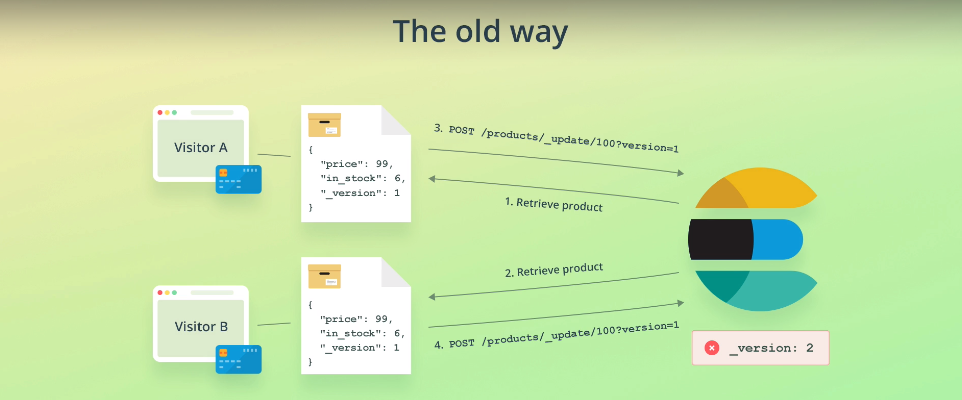
Write failures:



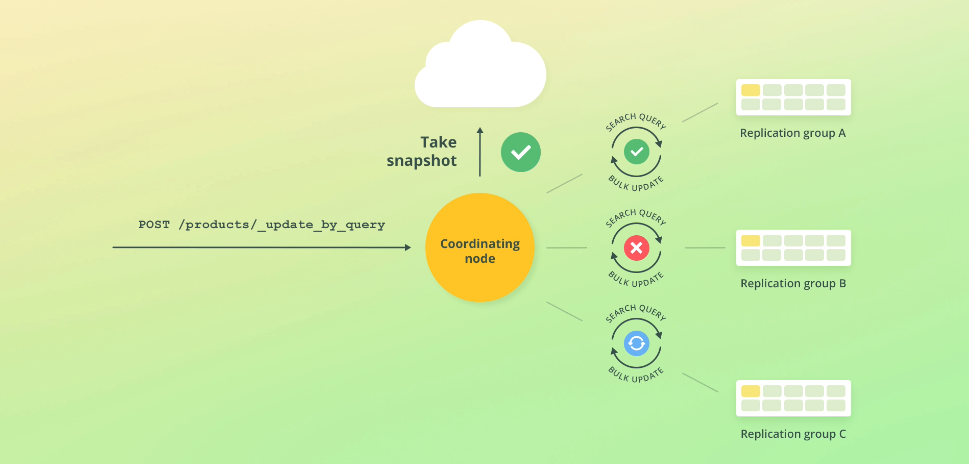


Optimistic Concurrency Control





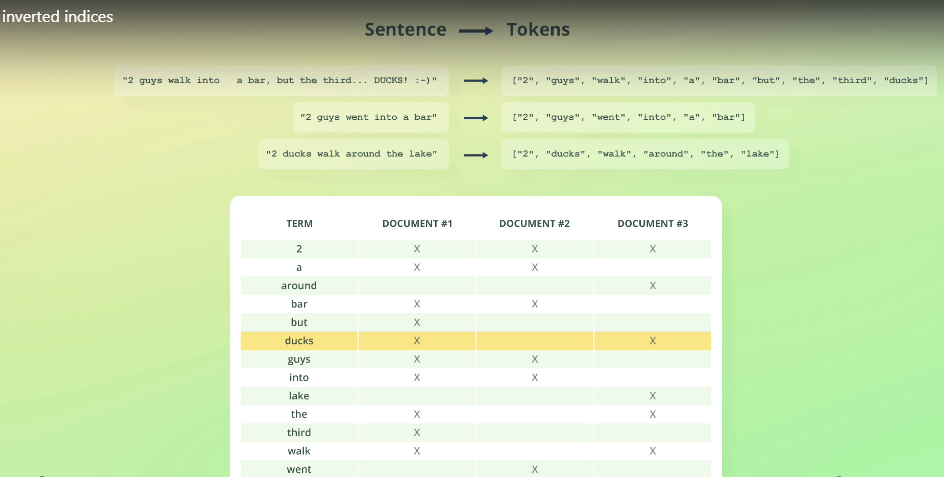
How \_update\_by\_query works?



Analyzers:



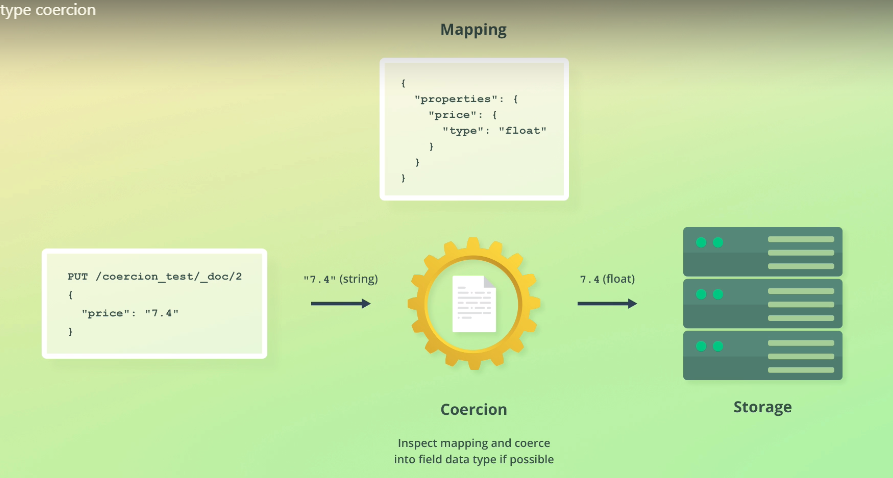
Inverted Index:



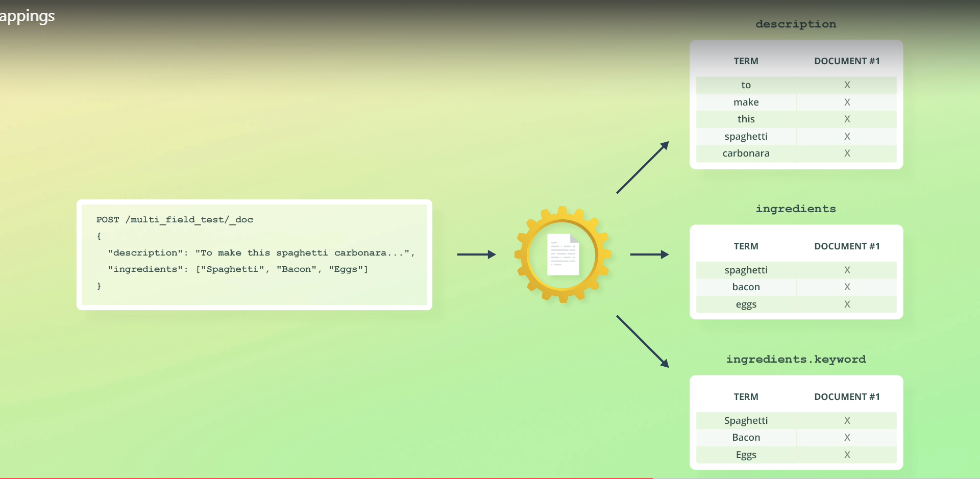
Inverted index are created for each text field only and not for the numeric/date fields in a given document.



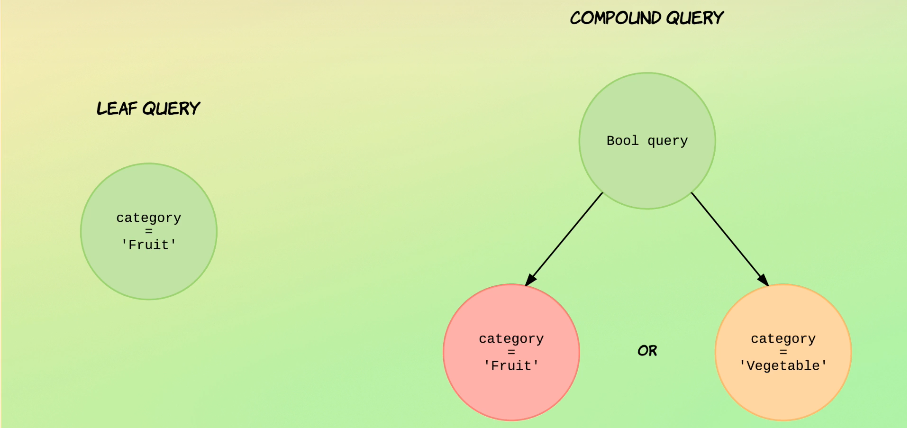
Type coercion:



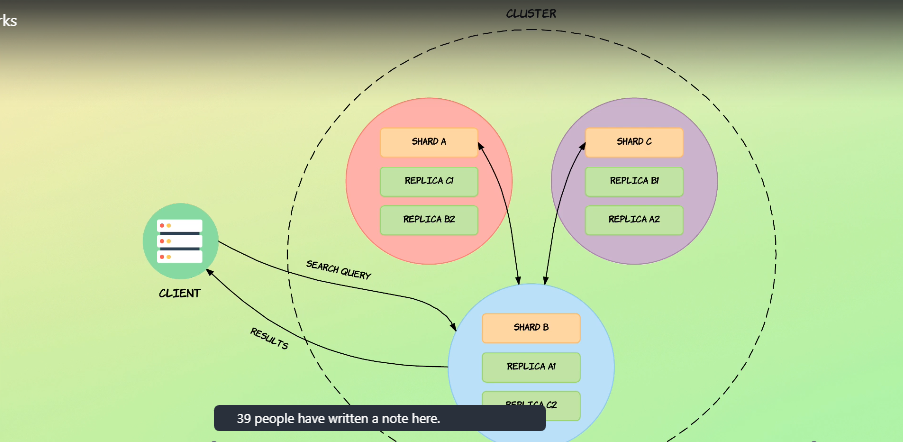
Text and keyword to the same field mapping



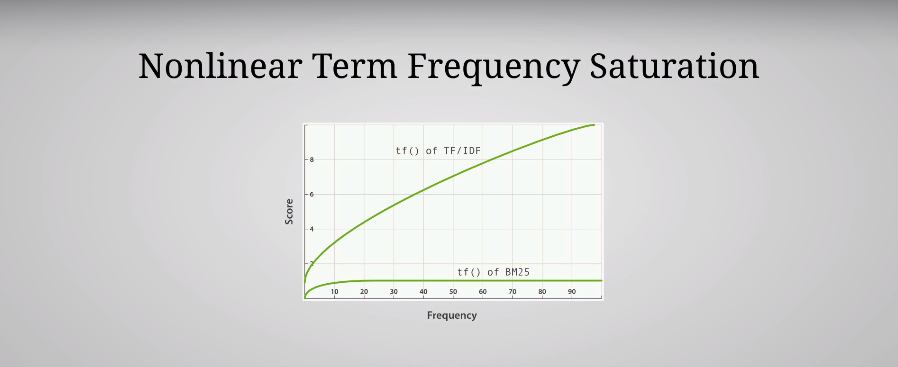
Query DSL



How Search works?



TF/IDF vs BM25



Term vs Full text Query

