Introduction to MongoDB Indexing

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Overview

Mongo indexes

Indexing a collection

Usage by queries

The Problem

You say:

```
db.foo.find({ x: 10 })

Ouch!

Reads EVERY document!

for each doc d in 'foo'{
   if ( d.x == 10 ){
     return d
   }
}
```

Document Storage

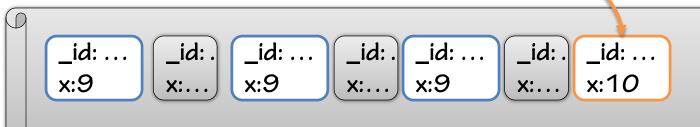
The Solution

Index - field 'x', collection 'foo'

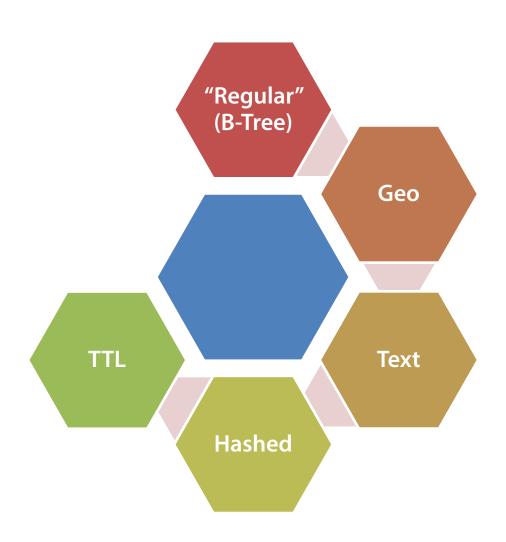
Value	Doc Pointers
9	[171, 819, 2309]
10	[4376]

db.foo.find({ x:10 })

Document Storage



Indexes In Mongo



Create Index

Which fields? In what Order? Geo / Text

db.foo.ensureIndex(keys, options)

Collection

Name?

Build now?

Unique

Sparse?

TTL?

Language?

Summary

- What are indexes
- How to create and use them

Use Indexes!

Conclusion

