

12 Indexación: Índices Sparse

Sparse indexes only contain entries for documents that have the indexed field, even if the index field contains a null value. The index skips over any document that is missing the indexed field. The index is “sparse” because it does not include all documents of a collection. By contrast, non-sparse indexes contain all documents in a collection, storing null values for those documents that do not contain the indexed field.

Create a Sparse Index

To create a sparse index, use the `db.collection.createIndex()` method with the `sparse` option set to `true`.

Sintaxis

```
db.collection.createIndex( { <field>: 1 }, { sparse: true } )
```

Práctica

```
> db.clientes.createIndex({dni:1},{unique: true,sparse: true})
{
  "createdCollectionAutomatically" : false,
  "numIndexesBefore" : 2,
  "numIndexesAfter" : 3,
  "ok" : 1
}
> db.clientes.insert({nombre: "Pedro", apellidos: "Jiménez"})
WriteResult({ "nInserted" : 1 })
> db.clientes.insert({nombre: "Pedro", apellidos: "López"})
WriteResult({ "nInserted" : 1 })

> db.clientes.find().sort({dni: 1}).hint({dni: 1}) // Forzando solo devuelve el que
contenga "dni"
{ "_id" : ObjectId("5e2a13ad8c338428978931b4"), "nombre" : "Pedro", "apellidos" :
"Jiménez", "dni" : "468763847D" }
```