

06 Indexación: Wildcard Indexes

MongoDB supports creating indexes on a field or set of fields to support queries. Since MongoDB supports dynamic schemas, applications can query against fields whose names cannot be known in advance or are arbitrary.

Sintaxis

```
db.collection.createIndex( { "field.$**" : 1 } )
```

Práctica

```
> db.productos.insert({nombre: "turbina F-48", caracteristicas: { tuercas: "titanio F-11", chapa: "o-271"}})
WriteResult({ "nInserted" : 1 })
> db.productos.createIndex({"caracteristicas.$**": 1})
{
  "createdCollectionAutomatically" : false,
  "numIndexesBefore" : 1,
  "numIndexesAfter" : 2,
  "ok" : 1
}
```

```
db.productos.insert({nombre: "turbina F-48C", caracteristicas: { tuercas: "titanio F-11", chapa: "o-271", colector: "F11"}})
WriteResult({ "nInserted" : 1 })
```

```
> db.productos.find({"caracteristicas.colector": "F11"}) // Utiliza el índice
{ "_id" : ObjectId("5e29cdc8ee52d663d676bc2b"), "nombre" : "turbina F-48C",
"caracteristicas" : { "tuercas" : "titanio F-11", "chapa" : "o-271", "colector" : "F11" } }
```