



db.coll.ensureIndex(key_pattern, options) Create an index on collection coll with the given key pattern and options.

Indexing key patterns with sample queries

Index creation options

{unique: true} • Create a unique index. To check insertion failures, use your driver's safe mode.

{dropDups: true} • Use with the unique option. Drop documents with duplicate values for the given key pattern on index creation.

{background: true} • Create this index in the background; useful when you need to minimize index creation performance impact.

{name: 'foo'} Specify a custom name for this index. If not specified, the name will be derived from the key pattern.

Examples

- db.users.ensureIndex({username: 1}, Create a unique index on username, {unique: true, dropDups: true}) dropping any existing duplicates. price: -1}, {background: true}) category and price and build it in the background.
 - db.places.ensureIndex({loc: '2d'}) Create a geospatial index on loc.



Administration

- db.users.getIndexes() Get a list of all indexes on the users collection.
- db.system.indexes.find() Directly query the collection containing index definitions for this db.
- db.users.totalIndexSize() Number of bytes allocated by indexes for users collection.
 - db.stats() Includes total index size for current database.
 - db.users.reIndex() Rebuild all indexes on this collection.
- db.users.dropIndex('username') Drop the index called username. Use getIndexes() to get the name of each index.

Tips

You can use a compound index on {username: 1, date: 1} for the following queries find({username: "Jones" }): find({username: /^Jones/ });

find({username: "Jones", date: "2010-12-01"});

find({username: "Jones" }).sort({date: -1});

find({}).sort({username: 1, date: 1}).limit(100);

Note that with this index, a single-key index on {username: 1} is unnecessary.