

Secure

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Update Operators – MongoDB Manual 3.6 - MongoDB Documentation

<https://docs.mongodb.com/manual/reference/operator/update>

The following modifiers are available for use in **update operations**; e.g. in `db.collection.update()` and `db.collection.findAndModify()` . Specify the **operator** expression in a document of the form: { <operator1>: { <field1>: <value1>, ... }, <operator2>: { <field2>: <value2>, ... }, ... } Note. For details on specific **operator**, including ...

Field Update Operators

Name, Description. \$currentDate, Sets the value of a field to ...

Array Update Operators

Name, Description. \$, Acts as a placeholder to update the first ...

Update

The positional \$ operator identifies an element in an array...

Set

If the field does not exist, \$set will add a new field with the ...

Inc

The \$inc operator increments a field by a specified value and ...

MongoDB Update operator: \$min

The \$min updates the value of the field to a specified value if the

[Reference](#) > [Operators](#) > Update Operators



Update Operators

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The following modifiers are available for use in update operations; e.g. in `db.collection.update()` and `db.collection.findAndModify()`.

Specify the operator expression in a document of the form:



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☆

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Navigation

Fields

Name	Description
\$currentDate	Sets the value of a field to current date, either as a Date or a Timestamp.
\$inc	Increments the value of the field by the specified amount.
\$min	Only updates the field if the specified value is less than the existing field value.
\$max	Only updates the field if the specified value is greater than the existing field value.
\$mul	Multiplies the value of the field by the specified amount.
\$rename	Renames a field.
\$set	Sets the value of a field in a document.
\$setOnInsert	Sets the value of a field if an update results in an insert of a document. Has no effect on update

Was this page helpful?

Y 1114

\$min

 $\$max$

\$mu l

```
$rename
```


\$set

\$setOnInsert

\$unset

Array

JS index.js X



getCourses

```
const mongoose = require('mongoose');

mongoose.connect('mongodb://localhost/mongo-exercises')
  .then(() => console.log('Connected to MongoDB...'))
  .catch(err => console.error('Could not connect to MongoDB...', err));

const courseSchema = new mongoose.Schema({
  name: String,
  author: String,
  tags: [String],
  date: Date,
  isPublished: Boolean,
  price: Number
});

const Course = mongoose.model('Course', courseSchema);

async function getCourses() {
  return await Course
    .find({ isPublished: true })
    .or([
      { price: { $gte: 15 } },
      { name: /.by./i }
    ])
    .sort({ price: -1 }) // or .sort('price') // for descending .sort('-price')
    .select('name author price')//.select({ name: 1, author: 1, price: 1 })
}
```

```
2: node
```

```
dandy@My-Ubuntu:~/Keep/GitHub Repositories/Node.js/07. CRUD Operations Using MongoDB/Applications/18. Updating A Document - Update First/mongo-demo$ node index.js
(node:18611) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass option { useNewUrlParser: true } to MongoClient.connect.
(node:18611) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.
(node:18611) DeprecationWarning: collection.update is deprecated. Use updateOne, updateMany, or bulkWrite instead.
Connected to MongoDB...
{ n: 1, nModified: 1, ok: 1 }
```






Activities

Visual Studio Code

Fri 15:56

index.js - Applications - Visual Studio Code

0B/s ↓ 0B/s ↑



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JS index.js

18. Updating A Document - Update First > mongo-demo > JS index.js > getCourses

```
29 async function updateCourse(id) {
30   // Approach: Query First
31   // findById()
32   // Modify its properties
33   // save()
34
35   // Approach: Update First
36   // Update directly
37   // Optionally: get the updated document
38
39   const result = await Course.update({ _id: id}, {
40     $set: {
41       author: 'Mosh',
42       isPublished: false
43     }
44   });
45   console.log(result);
46 }
47
48 updateCourse('5ec78137f1e1b23967aeafd0');
```

DEBUG CONSOLE PROBLEMS OUTPUT TERMINAL

2: node

```
dandy@My-Ubuntu:~/Keep/GitHub Repositories/Node.js/07. CRUD Operations Using MongoDB/Applications/18. Updating A Document - Update First/mongo-demo$ node index.js
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(node:18611) DeprecationWarning: collection.update is deprecated. Use updateOne, updateMany, or bulkWrite instead.
Connected to MongoDB...
{ n: 1, nModified: 1, ok: 1 }
█
```

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Activities

Visual Studio Code

index.js - Applications - Visual Studio Code

Mon 13:35

0B/s ↓ 0B/s ↑



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 README.md

OUTLINE

TIMELINE

JS index.js

18. Updating A Document - Update First > mongo-demo > JS index.js > updateCourse > course > \$set > author

```
1  const mongoose = require('mongoose');
2
3  mongoose.connect('mongodb://localhost/mongo-exercises')
4    .then(() => console.log('Connected to MongoDB...'))
5    .catch(err => console.error('Could not connect to MongoDB...', err));
6
7  const courseSchema = new mongoose.Schema({
8    name: String,
9    author: String,
10   tags: [String],
11   date: Date,
12   isPublished: Boolean,
13   price: Number
14 });
15
16 const Course = mongoose.model('Course', courseSchema);
17
18 async function getCourses() {
19   return await Course
20     .find({ isPublished: true })
```

DEBUG CONSOLE PROBLEMS OUTPUT TERMINAL

2: node

```
dandy@My-Ubuntu:~/Keep/GitHub Repositories/Node.js/07. CRUD Operations Using MongoDB/Applications/18. Updating A Document - Update First/mongo-demo$ node index.js
(node:6287) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass option { useNewUrlParser: true } to MongoClient.connect.
(node:6287) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discover and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.
(node:6287) DeprecationWarning: Mongoose: `findOneAndUpdate()` and `findOneAndDelete()` without the `useFindAndModify` option set to false are deprecated. See: https://mongoosejs.com/docs/deprecations.html#findandmodify
Connected to MongoDB...
{ tags: [ 'express', 'backend' ],
  _id: 5ec78137f1eb23967aeafd0,
  date: 2018-01-24T21:42:27.388Z,
  name: 'Express.js Course',
  author: 'Jason',
  isPublished: false,
  price: 10,
  __v: 0 }
```

Ln 49, Col 23 Spaces: 2 UTF-8 LF Babel JavaScript JavaScript Standard Style

> TIMELINE

2: node

```
dandy@My-Ubuntu:~/Keep/GitHub Repositories/Node.js/07. CRUD Operations Using MongoDB/Applications/18. Updating A Document - Update Fi
rst/mongo-demo$ node index.js
(node:6287) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new pars
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  date: 2018-01-24T21:42:27.388Z,
  name: 'Express.js Course',
  author: 'Jason',
  isPublished: false,
  price: 10,
  v: 0 }
```


Activities

Visual Studio Code

index.js - Applications - Visual Studio Code

Mon 13:35 • 1.04KB/s ↓ 1000B/s

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EXPLORER

OPEN EDITORS

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20. CRUD Operations With Mongoose And Mongo...

JS index.js

29

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async function updateCourse(id) {

// Approach: Query First

// findById()

// Modify its properties

// save()

// Approach: Update First

// Update directly

// Optionally: get the updated document

// const result = await Course.update({ _id: id}, {

// \$set: {

// author: 'Mosh',

// isPublished: false

// }

// });

// console.log(result);

const course = await Course.findByIdAndUpdate(id, {

DEBUG CONSOLE

PROBLEMS

OUTPUT

TERMINAL

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(node:6287) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass option { useNewUrlParser: true } to MongoClient.connect.

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{ tags: ['express', 'backend'],

_id: 5ec78137f1e1b23967aeafd0,

date: 2018-01-24T21:42:27.388Z,

name: 'Express.js Course',

author: 'Jason',

isPublished: false,

price: 10,

__v: 0 }

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UTF-8

LF

Babel JavaScript

JavaScript Standard Style

Activities

Visual Studio Code

Mon 13:36 • 489B/s ↓ 1.02KB/s ↑

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JS index.js

README.md

18. Updating A Document - Update First > mongo-demo > JS index.js > updateCourse > course > \$set > author

```
38
39 // const result = await Course.update({ _id: id}, {
40 //   $set: {
41 //     author: 'Mosh',
42 //     isPublished: false
43 //   }
44 // });
45 // console.log(result);
46
47 const course = await Course.findByIdAndUpdate(id, {
48   $set: {
49     author: 'Jason',
50     isPublished: false
51   }, { new: true }); // README 1
52 console.log(course);
53
54 }
55
56 updateCourse('5ec78137f1e1b23967aeafd0');
```

DEBUG CONSOLE

PROBLEMS

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Spaces: 2

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18. Updating A Document - Update First > README.md

18. Updating A Document - Update First > README.md

1 README 1 :

2 new: bool - if true, return the modified document rather than the original. defaults to false

DEBUG CONSOLEPROBLEMSOUTPUTTERMINAL

2: node

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__v: 0 }

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