

MongoDB - Update Operators

Topics : [MongoDB](#)

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MongoDB provides update operators to perform specific modifications on documents during the update process. Here are some common MongoDB update operators:

\$set Operator:

The \$set operator updates the value of a field:

```
db.collection_name.updateOne( { filter_criteria }, { $set: { field: new_value } } );
```

\$unset Operator:

The \$unset operator removes a field from a document:

```
db.collection_name.updateOne( { filter_criteria }, { $unset: { field_to_remove: "" } } );
```

\$inc Operator:

The \$inc operator increments the value of a field:

```
db.collection_name.updateOne( { filter_criteria }, { $inc: { numeric_field: increment_value } } );
```

\$mul Operator:

The \$mul operator multiplies the value of a field:

```
db.collection_name.updateOne( { filter_criteria }, { $mul: { numeric_field: multiplier } } );
```

\$rename Operator:

The \$rename operator renames a field:

```
db.collection_name.updateOne( { filter_criteria }, { $rename: { old_field: new_field } } );
```

\$min and \$max Operators:

The \$min operator updates the value of a field if the specified value is less than the existing value:

```
db.collection_name.updateOne( { filter_criteria }, { $min: { numeric_field: new_min_value } } );
```

The \$max operator updates the value of a field if the specified value is greater than the existing

value:

```
db.collection_name.updateOne( { filter_criteria }, { $max: { numeric_field: new_max_value } } );
```

\$addToSet Operator:

The \$addToSet operator adds elements to an array if they are not already present:

```
db.collection_name.updateOne( { filter_criteria }, { $addToSet: { array_field: new_element } } );
```

\$push Operator:

The \$push operator appends an element to an array:

```
db.collection_name.updateOne( { filter_criteria }, { $push: { array_field: new_element } } );
```

\$pull Operator:

The \$pull operator removes elements from an array based on a specified condition:

```
db.collection_name.updateOne( { filter_criteria }, { $pull: { array_field: element_to_remove } } );
```

These update operators can be used with the updateOne or updateMany methods to modify documents in a collection based on specific criteria.

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