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Update Operators

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- Update Operators

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 syntax and examples, click on the specific operator to go to its reference page.

Update Operators

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.

Name	Description

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Name	Description
`$min`	Only updates the field if the specified value is less than the existing field value.
`$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 operations that modify existing documents.
`$unset`	Removes the specified field from a document.

Array

Operators

Name	Description
`$`	Acts as a placeholder to update the first element that matches the query condition.
`$[]`	Acts as a placeholder to update all elements in an array for the documents that match the query condition.
`$[<identifier>]`	Acts as a placeholder to update all elements that match the `arrayFilters` condition for the documents that match the query condition.
`$addToSet`	Adds elements to an array only if they do not already exist in the set.
`$pop`	Removes the first or last item of an array.
`$pull`	Removes all array elements that match a specified query.

Name	Description
$push	Adds an item to an array.
$pullAll	Removes all matching values from an array.

Modifiers

Name	Description
$each	Modifies the $push and $addToSet operators to append multiple items for array updates.
$position	Modifies the $push operator to specify the position in the array to add elements.
$slice	Modifies the $push operator to limit the size of updated arrays.
$sort	Modifies the $push operator to reorder documents stored in an array.

Bitwise

Name	Description
$bit	Performs bitwise AND, OR, and XOR updates of integer values.

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