

## Configure Replica Set Tag Sets

Tag sets let you customize *write concern* and *read preferences* for a *replica set*. MongoDB stores tag sets in the replica set configuration object, which is the document returned by `rs.conf()`, in the `members[n].tags` embedded document.

This section introduces the configuration of tag sets. For an overview on tag sets and their use, see [Replica Set Write Concern](#) (page 80) and [Tag Sets](#) (page 590).

### Differences Between Read Preferences and Write Concerns

Custom read preferences and write concerns evaluate tags sets in different ways:

- Read preferences consider the value of a tag when selecting a member to read from.
- Write concerns do not use the value of a tag to select a member except to consider whether or not the value is unique.

For example, a tag set for a read operation may resemble the following document:

```
{ "disk": "ssd", "use": "reporting" }
```

To fulfill such a read operation, a member would need to have both of these tags. Any of the following tag sets would satisfy this requirement:

```
{ "disk": "ssd", "use": "reporting" }
{ "disk": "ssd", "use": "reporting", "rack": "a" }
{ "disk": "ssd", "use": "reporting", "rack": "d" }
{ "disk": "ssd", "use": "reporting", "mem": "r" }
```

The following tag sets would *not* be able to fulfill this query:

```
{ "disk": "ssd" }
{ "use": "reporting" }
{ "disk": "ssd", "use": "production" }
{ "disk": "ssd", "use": "production", "rack": "k" }
{ "disk": "spinning", "use": "reporting", "mem": "32" }
```

### Add Tag Sets to a Replica Set

Given the following replica set configuration:

```
{
  "_id" : "rs0",
  "version" : 1,
  "members" : [
    {
      "_id" : 0,
      "host" : "mongodb0.example.net:27017"
    },
    {
      "_id" : 1,
      "host" : "mongodb1.example.net:27017"
    },
    {
      "_id" : 2,
      "host" : "mongodb2.example.net:27017"
    }
  ]
}
```