

# Administration-Profiler

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## 1. Enabling Profiler

```
> db.setProfilingLevel(1)
```

```
{ "was" : 0, "slowms" : 10, "ok" : 1 }
```

## 2. Disabling Profiler

```
> db.setProfilingLevel(0)
```

```
{ "was" : 1, "slowms" : 10, "ok" : 1 }
```

## 3. Check Profiling Status

```
> db.getProfilingStatus()
```

```
{ "was" : 1, "slowms" : 10 }
```

### 4. Check Profiler Output

```
> db.system.profile.find().pretty().limit(1)
```

```
{
  "op" : "insert",
  "ns" : "bookstore.mybookstore1",
  "query" : {
    "_id" : 905,
    "name" : "book905",
    "author" : "author905",
    "publication" : "publisher905"
  },
  "ninserted" : 1,
  "keyUpdates" : 0,
  "numYield" : 0,
  "lockStats" : {
    "timeLockedMicros" : {
      "r" : NumberLong(0),
      "w" : NumberLong(20904)
    },
    "timeAcquiringMicros" : {
      "r" : NumberLong(0),
      "w" : NumberLong(13)
    }
  },
  "millis" : 20,
  "execStats" : {
  },
  "ts" : ISODate("2014-07-24T10:35:17.978Z"),
  "client" : "127.0.0.1",
  "allUsers" : [ ],
  "user" : ""
}
```

## Administration-Profiler

### 5. Show five most recent events

```
> show profile
```

```
query bookstore.mybookstore1 106ms Thu Jul 24 2014 12:41:06
query:{ "query" : { }, "$explain" : true } ntoreturn:0 ntoskip:0
nscanned:68465 nscannedObjects:68465 keyUpdates:0 numYield:0 lockStats:{
  "timeLockedMicros" : {
    "r" : NumberLong(106666),
    "w" : NumberLong(0)
  },
  "timeAcquiringMicros" : {
    "r" : NumberLong(7),
    "w" : NumberLong(4)
  }
} nreturned:1 responseLength:592 execStats:{
  "type" : "COLLSCAN",
  "works" : 68467,
  "yields" : 534,
  "unyields" : 534,
  "invalidates" : 0,
  "advanced" : 68465,
  "needTime" : 1,
  "needFetch" : 0,
  "isEOF" : 1,
  "docsTested" : 68465,
  "children" : [ ]
} client:127.0.0.1 allUsers:[ ] user:

insert      bookstore.mybookstore1 11ms Thu Jul 24 2014 12:38:02
query:{
  "_id" : 64854,
  "name" : "book64854",
  "author" : "author64854",
  "publication" : "publisher64854"
} ninserter:1 keyUpdates:0 numYield:0 lockStats:{
  "timeLockedMicros" : {
    "r" : NumberLong(0),
    "w" : NumberLong(11578)
  },
  "timeAcquiringMicros" : {
    "r" : NumberLong(0),
    "w" : NumberLong(5)
  }
} execStats:{ } client:127.0.0.1 allUsers:[ ] user:

insert      bookstore.mybookstore1 12ms Thu Jul 24 2014 12:38:02
query:{
  "_id" : 63222,
```

```
"name" : "book63222",
"author" : "author63222",
"publication" : "publisher63222"
} nininserted:1 keyUpdates:0 numYield:0 lockStats:{
  "timeLockedMicros" : {
    "r" : NumberLong(0),
    "w" : NumberLong(12263)
  },
  "timeAcquiringMicros" : {
    "r" : NumberLong(0),
    "w" : NumberLong(4)
  }
} execStats:{ } client:127.0.0.1 allUsers:[ ] user:

insert      bookstore.mybookstore1 18ms Thu Jul 24 2014 12:38:00
query:{
  "_id" : 60758,
  "name" : "book60758",
  "author" : "author60758",
  "publication" : "publisher60758"
} nininserted:1 keyUpdates:0 numYield:0 lockStats:{
  "timeLockedMicros" : {
    "r" : NumberLong(0),
    "w" : NumberLong(18554)
  },
  "timeAcquiringMicros" : {
    "r" : NumberLong(0),
    "w" : NumberLong(4)
  }
} execStats:{ } client:127.0.0.1 allUsers:[ ] user:

insert      bookstore.mybookstore1 17ms Thu Jul 24 2014 12:35:43
query:{
  "_id" : 42195,
  "name" : "book42195",
  "author" : "author42195",
  "publication" : "publisher42195"
} nininserted:1 keyUpdates:0 numYield:0 lockStats:{
  "timeLockedMicros" : {
    "r" : NumberLong(0),
    "w" : NumberLong(17592)
  },
  "timeAcquiringMicros" : {
    "r" : NumberLong(0),
    "w" : NumberLong(5)
  }
} execStats:{ } client:127.0.0.1 allUsers:[ ] user:
```

### 6. Profiler output using operators

```
> db.system.profile.find({millis:{$gt:18}}).pretty().limit(1)
```

```
{
  "op" : "insert",
  "ns" : "bookstore.mybookstore1",
  "query" : {
    "_id" : 905,
    "name" : "book905",
    "author" : "author905",
    "publication" : "publisher905"
  },
  "ninserted" : 1,
  "keyUpdates" : 0,
  "numYield" : 0,
  "lockStats" : {
    "timeLockedMicros" : {
      "r" : NumberLong(0),
      "w" : NumberLong(20904)
    },
    "timeAcquiringMicros" : {
      "r" : NumberLong(0),
      "w" : NumberLong(13)
    }
  },
  "millis" : 20,
  "execStats" : {
  },
  "ts" : ISODate("2014-07-24T10:35:17.978Z"),
  "client" : "127.0.0.1",
  "allUsers" : [ ],
  "user" : ""
}
```