



NoSQL不NewSQL数据库引航 第9周

启动MongoDB

mongod -f /etc/mongod.conf

```
[root@itpubedm2 ~]# cat /etc/mongod.conf
# mongo.conf

#where to log
logpath=/var/log/mongo/mongod.log

logappend=true

# fork and run in background
fork = true

#port = 27017

dbpath=/var/lib/mongo

# location of pidfile
pidfilepath = /var/run/mongod/mongod.pid

# Disables write-ahead journaling
# nojournal = true
```

命令行启动

- dbpath
- fork
- port
- logpath
- config

```
$ ./mongod --port 5586 --fork --logpath mongodb.log  
forked process: 45082  
all output going to: mongodb.log
```

关闭MongoDB

```
graph LR
    memcached
    migration/0
    6*[mingetty]
    mongod --- 10*[{mongod}]
    5*[sh --- sleep]
    sshd --- sshd --- sshd --- bash --- su --- bash --- pstree
    svscanboot --- readproctitle
    svscan --- supervise --- tcpserver
    svscan --- 2*[supervise --- multilog]
    svscan --- supervise --- qmail-send --- qmail-clean
    svscan --- supervise --- qmail-send --- qmail-lspawn
    svscan --- supervise --- qmail-send --- qmail-rspawn
    syslogd
    udevd
```

```
[root@itpubedm2 ~]# mongo
MongoDB shell version: 2.4.1
connecting to: test
> use admin
switched to db admin
> db.shutdownServer()
Sat Apr 27 17:16:43.444 DBClientCursor::init call() failed
server should be down...
Sat Apr 27 17:16:43.446 trying reconnect to 127.0.0.1:27017
Sat Apr 27 17:16:43.446 reconnect 127.0.0.1:27017 ok
Sat Apr 27 17:16:43.449 Socket recv() errno:104 Connection reset by peer 127.0.0.1:27017
Sat Apr 27 17:16:43.449 SocketException: remote: 127.0.0.1:27017 error: 9001 socket exception [1] server [127.0.0.1:27017]
Sat Apr 27 17:16:43.449 DBClientCursor::init call() failed
> exit
bye
[root@itpubedm2 ~]#
```

关闭Mongodb

- 也可以使用kill <进程号> 或kill -2 <进程号>
- 当mongod接收到SIGTERM或SIGINT会稳妥退出

```
[root@itpubedm2 ~]#  
[root@itpubedm2 ~]#  
[root@itpubedm2 ~]# mongod -f /etc/mongod.conf  
about to fork child process, waiting until server is ready for connections.  
all output going to: /var/log/mongo/mongod.log  
forked process: 27876  
child process started successfully, parent exiting  
[root@itpubedm2 ~]# ps -ellgrep mongo  
5 S      0 27876      1 0 75    0 - 105839 stext ?          00:00:00 mongod  
[root@itpubedm2 ~]# kill 27876  
[root@itpubedm2 ~]# ps -ellgrep mongo  
[root@itpubedm2 ~]#
```

增加用户

```
connecting to: test
> use admin
switched to db admin
> db.addUser("root","abcd")
{
  "user" : "root",
  "readOnly" : false,
  "pwd" : "1a0f1c3c3aa1d592f490a2addc559383",
  "_id" : ObjectId("517b9ee16338dd8873dda51b")
}
^[
> use test
switched to db test
> db.addUser("test_user","efgh")
...
...
> db.addUser("test_user","efgh")
{
  "user" : "test_user",
  "readOnly" : false,
  "pwd" : "6076b96fc3fe6002c810268702646eec",
  "_id" : ObjectId("517b9f366338dd8873dda51c")
}
>
> db.addUser("read_only","ijkl",true)
{
  "user" : "read_only",
  "readOnly" : true,
  "pwd" : "f497e180c9dc0655292fee5893c162f1",
  "_id" : ObjectId("517b9f566338dd8873dda51d")
}
```

权限控制：配置auth项

```
dbpath=/var/lib/mongo

# location of pidfile
pidfilepath = /var/run/mongodb/mongod.pid

# Disables write-ahead journaling
# nojournal = true

# Enables periodic logging of CPU utilization and I/O wait
#cpu = true

# Turn on/off security.  Off is currently the default
#noauth = true
auth = true

# Verbose logging output.
#verbose = true

# Inspect all client data for validity on receipt (useful for
"/etc/mongod.conf" 83L, 1657C
```

授权

```

[root@itpubedm2 itpubedul]# mongod -f /etc/mongod.conf
about to fork child process, waiting until server is ready for connections.
all output going to: /var/log/mongo/mongod.log
forked process: 5320
child process started successfully, parent exiting
[root@itpubedm2 itpubedul]# mongo
MongoDB shell version: 2.4.1
connecting to: test
> use test
switched to db test
> db.test.find()
error: { "$err" : "not authorized for query on test.test", "code" : 16550 }
> db.test.insert({"x":2})
not authorized for insert on test.test
> db.auth("test_user","efgh")
1
> db.test.insert({"x":2})
> db.test.find()
{ "_id" : ObjectId("517ba09253d24feae2fdd6eb"), "x" : 2 }
>
```

以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/115321202310011103>