**mongodb安装**

## 讲诉mongodb的两种安装方式，其实都蛮简单的

建议使用官方源进行安装

数据库存放目录建议划分到一个单独的分区上面

## monogdb二进制安装包

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10 | [root@redis tmp]# tar xf mongodb-linux-x86\_64-2.6.3.tgz -C /usr/local/  [root@redis tmp]# mv /usr/local/{mongodb-linux-x86\_64-2.6.3,mongodb}  [root@redis tmp]# cd /usr/local/mongodb/  [root@redis mongodb]# ls  bin  GNU-AGPL-3.0  README  THIRD-PARTY-NOTICES  [root@redis mongodb]# mkdir -pv /mongo/data/{mongodb\_data,mongodb\_log}  mkdir: created directory `/mongo'  mkdir: created directory `/mongo/data'  mkdir: created directory `/mongo/data/mongodb\_data'  mkdir: created directory `/mongo/data/mongodb\_log' |

### 启动mongodb

|  |  |
| --- | --- |
| 1  2  3 | [root@redis mongodb]# /usr/local/mongodb/bin/mongod --port 27017 --fork --dbpath=/mongo/data/mongodb\_data/ --logpath=/mongo/data/mongodb\_log/mongodb.log --logappend  about to fork child process, waiting until server is ready for connections.  forked process: 2828 |

### 验证存活情况：

|  |  |
| --- | --- |
| 1  2  3 | [root@redis mongodb]# ss -tunlp  Netid  Recv-Q Send-Q                                     Local Address:Port                                       Peer Address:Port  tcp    0      128                                                    \*:27017                                                 \*:\*      users:(("mongod",2828,8)) |

### 添加配置文件

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11 | [root@redis mongodb]# vim /etc/mongod.conf  [root@redis mongodb]# cat /etc/mongod.conf  port=27017  dbpath=/mongo/data/mongodb\_data/  logpath=/mongo/data/mongodb\_log/mongodb.log  pidfilepath=/usr/local/mongodb/mongo.pid  fork=true  logappend=true  shardsvr=true  directoryperdb=true  [root@redis mongodb]# |

**若报错：**directoryperdb=true 改为flase

### 关闭和启动mongodb

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14 | [root@redis mongodb]# /usr/local/mongodb/bin/mongo 127.0.0.1:27017/admin --eval "db.shutdownServer()"  MongoDB shell version: 2.6.3  connecting to: 127.0.0.1:27017/admin  2014-07-19T13:04:27.469+0200 DBClientCursor::init call() failed  server should be down...  [root@redis mongodb]# ss -tunlp  Netid  Recv-Q Send-Q                                     Local Address:Port                                       Peer Address:Port  tcp    0      128                                                   :::44938                                                :::\*      users:(("rpc.statd",1078,11))  tcp    0      128                                                    \*:44943                                                 \*:\*      users:(("rpc.statd",1078,9))  tcp    0      128                                                   :::111                                                  :::\*      users:(("rpcbind",1060,11))  tcp    0      128                                                    \*:111                                                   \*:\*      users:(("rpcbind",1060,8))  tcp    0      128                                                   :::22                                                   :::\*      users:(("sshd",1253,4))  tcp    0      128                                                    \*:22                                                    \*:\*      users:(("sshd",1253,3))  [root@redis mongodb]# |

### 重启启动mongodb

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7 | [root@redis mongodb]# /usr/local/mongodb/bin/mongod --config /etc/mongod.conf  about to fork child process, waiting until server is ready for connections.  forked process: 2855  child process started successfully, parent exiting  [root@redis mongodb]# ss -tunlp  Netid  Recv-Q Send-Q                                     Local Address:Port                                       Peer Address:Port  tcp    0      128                                                    \*:27017 |

### 为mongodb添加Synv服务

添加账户

|  |  |
| --- | --- |
| 1  2  3  4  5 | [root@redis ~]# groupadd -r  mongodb  [root@redis ~]# useradd -r -g mongodb mongodb  [root@redis ~]# id mongodb  uid=498(mongodb) gid=498(mongodb) groups=498(mongodb)  [root@redis ~]# |

### 修改mongodb数据库目录的属组属主

|  |  |
| --- | --- |
| 1  2 | [root@redis ~]# chown -R mongodb.mongodb /mongo/data/  [root@redis ~]# chown -R mongodb.mongodb /usr/local/mongodb/ |

## 添加init配置文件

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29  30  31  32  33  34  35  36  37  38  39  40  41  42  43  44  45  46  47  48  49  50  51 | #!/bin/bash  # mongod - Startup script for mongod  # chkconfig: 35 85 15  # description: Mongo is a scalable, document-oriented database.  # processname: mongod  # config: /etc/mongod.conf  # pidfile: /usr/local/mongodb/mongo.pid  . /etc/rc.d/init.d/functions  # things from mongod.conf get there by mongod reading it  # NOTE: if you change any OPTIONS here, you get what you pay for:  # this script assumes all options are in the config file.  CONFIGFILE="/etc/mongod.conf"  OPTIONS=" -f $CONFIGFILE"  #SYSCONFIG="/etc/sysconfig/mongod"  # FIXME: 1.9.x has a --shutdown flag that parses the config file and  # shuts down the correct running pid, but that's unavailable in 1.8  # for now.  This can go away when this script stops supporting 1.8.  DBPATH=`awk -F= '/^dbpath[[:blank:]]\*=[[:blank:]]\*/{print $2}' "$CONFIGFILE"`  PIDFILE=`awk -F= '/^pidfilepath[[:blank:]]\*=[[:blank:]]\*/{print $2}' "$CONFIGFILE"`  mongod=${MONGOD-/usr/local/mongodb/bin/mongod}  MONGO\_USER=mongodb  MONGO\_GROUP=mongodb  if [ -f "$SYSCONFIG" ]; then      . "$SYSCONFIG"  fi  # Handle NUMA access to CPUs (SERVER-3574)  # This verifies the existence of numactl as well as testing that the command works  NUMACTL\_ARGS="--interleave=all"  if which numactl >/dev/null 2>/dev/null && numactl $NUMACTL\_ARGS ls / >/dev/null 2>/dev/null  then      NUMACTL="numactl $NUMACTL\_ARGS"  else      NUMACTL=""  fi  start()  {    # Recommended ulimit values for mongod or mongos    # See http://docs.mongodb.org/manual/reference/ulimit/#recommended-settings    #    ulimit -f unlimited    ulimit -t unlimited    ulimit -v unlimited    ulimit -n 64000    ulimit -m unlimited    ulimit -u 32000    echo -n $"Starting mongod: "    daemon --user "$MONGO\_USER" "$NUMACTL $mongod $OPTIONS >/dev/null 2>&1"    RETVAL=$?    echo    [ $RETVAL -eq 0 ] && touch /var/lock/subsys/mongod  }  stop()  {    echo -n $"Stopping mongod: "    killproc -p "$PIDFILE" -d 300 /usr/bin/mongod    RETVAL=$?    echo    [ $RETVAL -eq 0 ] && rm -f /var/lock/subsys/mongod  }  restart () {  stop  start  }  RETVAL=0  case "$1" in    start)      start      ;;    stop)      stop      ;;    restart|reload|force-reload)      restart      ;;    condrestart)      [ -f /var/lock/subsys/mongod ] && restart || :      ;;    status)      status $mongod      RETVAL=$?      ;;    \*)      echo "Usage: $0 {start|stop|status|restart|reload|force-reload|condrestart}"      RETVAL=1  esac  exit $RETVAL |