MySQL多服务器管理

# 安装配置

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| --- |
| #创建安装目录  mkdir -p /opt/mysql #MySQL安装目录  chown -R mysql:mysql /opt/mysql  mkdir -p /data/mysql/{data\_3306,data\_3307,data\_3308} #存放数据  mkdir -p /data/mysql/{log\_3306,log\_3307,log\_3308} #存放日志  mkdir -p /data/mysql/{tmp\_3306,tmp\_3307,tmp\_3308} #存放临时文件  chown -R mysql:mysql /data/mysql  #编译安装mysql  tar -zxvf /usr/local/src/mysql-5.6.25.tar.gz -C /usr/local/src  cd /usr/local/src/mysql-5.6.25  cmake . -DCMAKE\_INSTALL\_PREFIX=/opt/mysql -DMYSQL\_DATADIR=/data/mysql -DSYSCONFDIR=/opt/mysql -DDEFAULT\_CHARSET=utf8 -DDEFAULT\_COLLATION=utf8\_general\_ci -DEXTRA\_CHARSETS=all -DENABLED\_LOCAL\_INFILE=1  make && make install  #初始化mysql(用户表和权限表)  /opt/mysql/scripts/mysql\_install\_db --user=mysql --basedir=/opt/mysql --datadir=/data/mysql/data\_3306  /opt/mysql/scripts/mysql\_install\_db --user=mysql --basedir=/opt/mysql --datadir=/data/mysql/data\_3307  /opt/mysql/scripts/mysql\_install\_db --user=mysql --basedir=/opt/mysql --datadir=/data/mysql/data\_3308 |
| cat > /opt/mysql/my.cnf <<EOF  [mysqld3306]  #GENERAL  basedir =/opt/mysql  datadir=/data/mysql/data\_3306  tmpdir =/data/mysql/tmp\_3306  socket=/data/mysql/data\_3306/mysql\_3306.sock  pid\_file=/data/mysql/data\_3306/mysql\_3306.pid  user=mysql  port=3306  default\_storage\_engine=InnoDB  #INNODB  innodb\_buffer\_pool\_size=2G  innodb\_additional\_mem\_pool\_size=16M  innodb\_log\_buffer\_size=16M  innodb\_buffer\_pool\_instances=8  innodb\_file\_per\_table=1  #MyISAM  key\_buffer\_size=32M  #LOGGING  log\_error = /data/mysql/log\_3306/alert.log  #OTHER  tmp\_table\_size=64M  max\_heap\_table\_size=64M  query\_cache\_type=0  query\_cache\_size=0  max\_connections=500  thread\_cache\_size=150  table\_open\_cache = 1024  open\_files\_limit=65535  skip-name-resolve  lower\_case\_table\_names=1  max\_allowed\_packet=16M  sql\_mode=NO\_ENGINE\_SUBSTITUTION,STRICT\_TRANS\_TABLES  [mysqld3307]  #GENERAL  basedir =/opt/mysql  datadir=/data/mysql/data\_3307  tmpdir =/data/mysql/tmp\_3307  socket=/data/mysql/data\_3307/mysql\_3307.sock  pid\_file=/data/mysql/data\_3307/mysql\_3307.pid  user=mysql  port=3307  default\_storage\_engine=InnoDB  #INNODB  innodb\_buffer\_pool\_size=2G  innodb\_additional\_mem\_pool\_size=16M  innodb\_log\_buffer\_size=16M  innodb\_buffer\_pool\_instances=8  innodb\_file\_per\_table=1  #MyISAM  key\_buffer\_size=32M  #LOGGING  log\_error = /data/mysql/log\_3307/alert.log  #OTHER  tmp\_table\_size=64M  max\_heap\_table\_size=64M  query\_cache\_type=0  query\_cache\_size=0  max\_connections=500  thread\_cache\_size=150  table\_open\_cache = 1024  open\_files\_limit=65535  skip-name-resolve  lower\_case\_table\_names=1  max\_allowed\_packet=16M  sql\_mode=NO\_ENGINE\_SUBSTITUTION,STRICT\_TRANS\_TABLES  [mysqld3308]  #GENERAL  basedir =/opt/mysql  datadir=/data/mysql/data\_3308  tmpdir =/data/mysql/tmp\_3308  socket=/data/mysql/data\_3308/mysql\_3308.sock  pid\_file=/data/mysql/data\_3308/mysql\_3308.pid  user=mysql  port=3308  default\_storage\_engine=InnoDB  #INNODB  innodb\_buffer\_pool\_size=2G  innodb\_additional\_mem\_pool\_size=16M  innodb\_log\_buffer\_size=16M  innodb\_buffer\_pool\_instances=8  innodb\_file\_per\_table=1  #MyISAM  key\_buffer\_size=32M  #LOGGING  log\_error = /data/mysql/log\_3308/alert.log  #OTHER  tmp\_table\_size=64M  max\_heap\_table\_size=64M  query\_cache\_type=0  query\_cache\_size=0  max\_connections=500  thread\_cache\_size=150  table\_open\_cache = 1024  open\_files\_limit=65535  skip-name-resolve  lower\_case\_table\_names=1  max\_allowed\_packet=16M  sql\_mode=NO\_ENGINE\_SUBSTITUTION,STRICT\_TRANS\_TABLES  [mysql\_multi]  mysqladmin=/opt/mysql/bin/mysqladmin  user=root  password=123  EOF  /usr/bin/cp /opt/mysql/my.cnf /etc/my.cnf |
| #设置mysql开机自动启动  cat >> /etc/profile <<EOF  export PATH=\$PATH:/opt/mysql/bin  EOF  source /etc/profile |

# 使用mysqld\_multi管理服务器

## 服务的启动和关闭

|  |
| --- |
| mysqld\_multi --no-log start 3306-3308  mysqld\_multi --no-log stop 3306-3308  mysqld\_multi --no-log reload 3306-3308 |

## 客户端连接

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| --- |
| mysql --protocol=tcp --port=3306  mysql --protocol=tcp --port=3306 -e "GRANT ALL ON \*.\* to root@'%' IDENTIFIED BY '123' WITH GRANT OPTION"  mysql --protocol=tcp --port=3307 -e "GRANT ALL ON \*.\* to root@'%' IDENTIFIED BY '123' WITH GRANT OPTION"  mysql --protocol=tcp --port=3308 -e "GRANT ALL ON \*.\* to root@'%' IDENTIFIED BY '123' WITH GRANT OPTION" |