

先去官网下载 source 包，mysql-version.tar.gz 形式。
我自己用的是 mysql-5.6.14.tar.gz

官网的安装指导 <http://dev.mysql.com/doc/refman/5.6/en/installing-source-distribution.html>

```
# Preconfiguration setup
shell> groupadd mysql
shell> useradd -r -g mysql mysql
# Beginning of source-build specific instructions
shell> tar zxvf mysql-VERSION.tar.gz
shell> cd mysql-VERSION
shell> cmake .
shell> make
shell> make install
# End of source-build specific instructions
# Postinstallation setup
shell> cd /usr/local/mysql
shell> chown -R mysql .
shell> chgrp -R mysql .
shell> scripts/mysql_install_db --user=mysql
shell> chown -R root .
shell> chown -R mysql data
shell> bin/mysqld_safe --user=mysql &
# Next command is optional
shell> cp support-files/mysql.server /etc/init.d/mysql.server
```

如果没有 mysql 用户，先添加用户以及用户组：

groupadd mysql

useradd mysql -g mysql

1.解压

tar xvf mysql-5.6.14.tar.gz

2.进入 mysql-5.6.14

cd mysql-5.6.14

3.

```
cmake -DCMAKE_INSTALL_PREFIX=/home/zhangchengyuan/install/mysql-5.6
-DMYSQL_DATADIR=/home/zhangchengyuan/install/mysql-5.6/data -DSYSCONFDIR=/etc
-DWITH_MYISAM_STORAGE_ENGINE=1 -DWITH_INNOBASE_STORAGE_ENGINE=1
-DWITH_MEMORY_STORAGE_ENGINE=1 -DENABLED_LOCAL_INFILE=1
```

```
-DWITH_PARTITION_STORAGE_ENGINE=1 -DEXTRA_CHARSETS=all  
-DDEFAULT_CHARSET=utf8 -DDEFAULT_COLLATION=utf8_general_ci
```

4. make & make install

5. ./scripts/mysql_install_db --user=mysql --defaults-file=my.cnf

bin/mysqld_safe --user=mysql &

<http://dev.mysql.com/doc/refman/5.6/en/replication-configuration.html>

主从集群搭建 (<http://dev.mysql.com/doc/refman/5.6/en/replication-howto.html>) :

1. 根据官网安装教程编译安装 mysql

2. 修改主配置项:

```
gtid_mode=ON  
#open gtid option  
log-bin=mysql-bin  
  
enforce-gtid-consistency  
  
log-slave-updates  
  
#binlog-do-db=ngmdb  
#若指定该参数，则只复制该数据库  
expire-logs-days=7  
#日志超时时间  
#autocommit=0  
  
#binlog_format=mixed  
  
innodb_flush_log_at_trx_commit=1  
#为保证 innodb 事物操作的强一致性  
sync_binlog=1  
  
#为保证 innodb 事物操作的强一致性  
server-id=1
```

#若不用该参数，默认为 0，即拒绝所有来自 slave 的请求

3.配置 slave:

```
gtid_mode=ON
enforce-gtid-consistency
log-bin=mysql-bin
log-slave-updates
server-id=2
```

4.在 Master 上为复制组创建用户

```
create user 'repl'@'192.168.193.90' identified by 'slavepass';
grant replication slave on *.* to 'repl'@'192.168.193.90';
```

5.获取 Master 上日志坐标

```
flush table with read lock;
show master status;
```

File	Position	Binlog_Do_DB	Binlog_Ignore_DB	Executed_Gtid_Set
binlog.000003	564			acd15358-da78-11e3-9379-005056a37d19:1-2

1 row in set (0.00 sec)

6.将 Master 上已有的数据同步到 slave

7.在 Slave 上配置 Master 信息

```
change master to Master_host='192.168.193.87',
Master_User='repl',
Master_Password='slavepass',
Master_Log_File='binlog.000003',
Master_log_pos=564;
```

Restart slave

gdb 调试:

```
./BUILD/compile-pentium-debug-max-no-ndb -c  
cd mysql-test/
```

2249 \ls

2250 ls

2251 ./mtr --help

2252 ./mtr --manual-gdb

2253 history