文件名称：MySQL的M-M部署手册（Linux）

文件编号：

项目名称：调兵山项目

项目编号：

物料编码：

版 本 号：A

文件密级：秘密

文件状态：CFC

受控标识：受控

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| 拟制/日期： | 2019年 月 日 |
| 审核： | 2019年 月 日 |
| 会签： |  |
|  |  |
| 批准： | 2019年 月 日 |

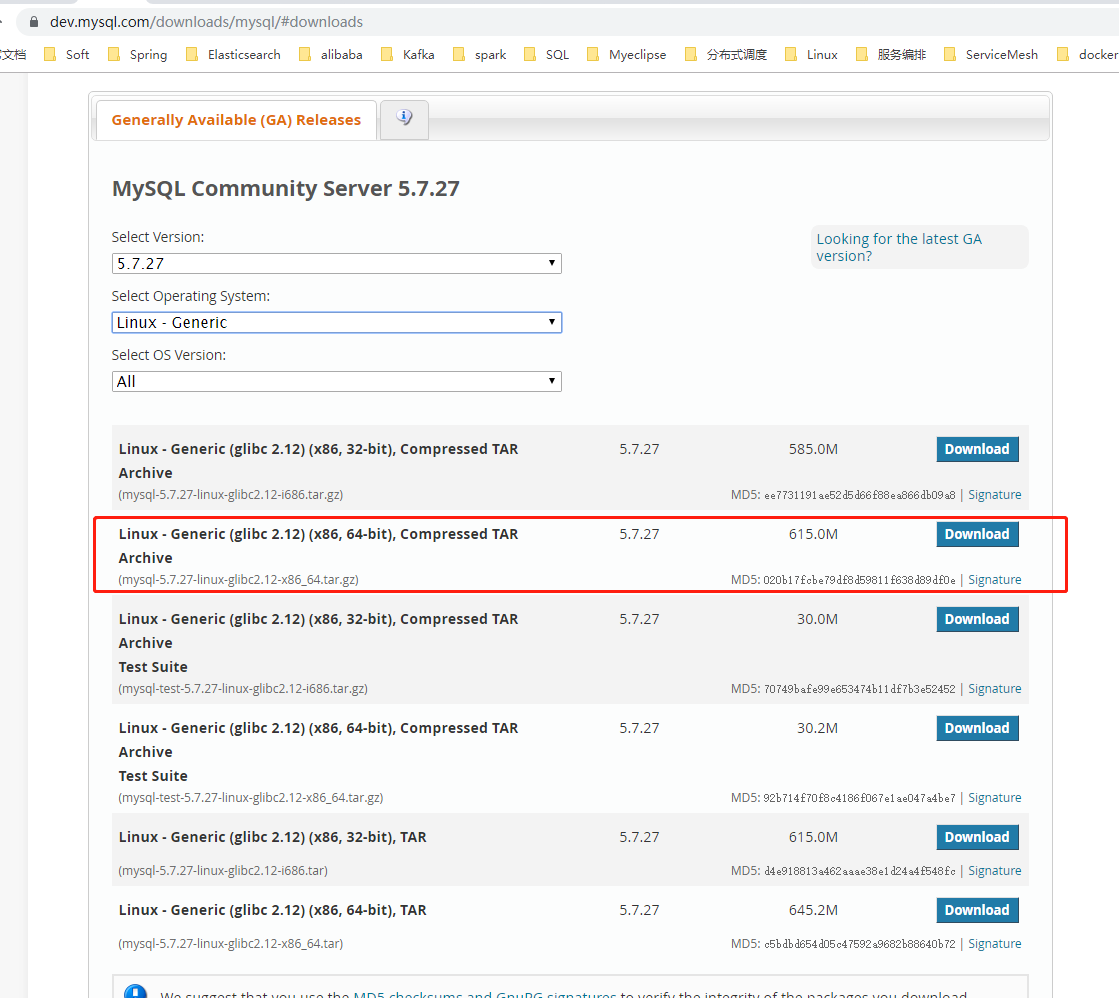
**文件发放范围：**

**修订页**

| 序号 | 版本号 | 修订内容简述 | 拟制/日期 | 审核 | 批准 |
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|  | A | 创建 | 张毅 |  |  |
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1. **下载**

下载地址：<https://dev.mysql.com/downloads/mysql/#downloads>



1. **解压**

**tar xvf mysql-5.7.27-linux-glibc2.12-x86\_64.tar**

**mv mysql-5.7.27-linux-glibc2.12-x86\_64 mysql**

1. **修改MySQL配置文件（**/etc/mysql/my.cnf**）**

**basedir=/opt/deploy/data/mysql**

**datadir=/opt/deploy/data/mysql/data**

**port=3306**

**character-set-server=utf8**

**collation-server=utf8\_general\_ci**

**default-storage-engine=INNODB**

**max\_connections=1000**

**skip-host-cache**

**skip-name-resolve**

**master-A库：**

**log-bin=mysql-bin**

**binlog\_format=row**

**log-slave-updates=true**

**server\_id=1**

**expire\_logs\_days=3**

**max\_binlog\_size=100M**

**binlog-ignore-db= information\_schema**

**binlog-ignore-db=mysql**

**binlog-ignore-db= performance\_schema**

**binlog-ignore-db= sys**

**//B启动成功后配置**

**master-host = *master-B的IP*  
master-user = slave  
master-password = slave  
master-port = 3306**

**master-B库：**

**log-bin=mysql-bin**

**binlog\_format=row**

**log-slave-updates=true**

**server\_id=2**

**expire\_logs\_days=3**

**max\_binlog\_size=100M**

**binlog-ignore-db= information\_schema**

**binlog-ignore-db=mysql**

**binlog-ignore-db= performance\_schema**

**binlog-ignore-db= sys**

**//A启动成功后配置**

**master-host = *master-A的IP*  
master-user = slave  
master-password = slave  
master-port = 3306**

1. **MySQL服务配置（support-files/** **mysql.server）**

**basedir=/opt/deploy/data/mysql**

**datadir=/opt/deploy/data/mysql/data**

1. **添加系统mysql组和mysql用户**

**groupadd mysql  
useradd -r -g mysql -s /bin/false mysql**

1. **进入安装目录且修改拥有者**

**chown -R mysql:mysql ./**

1. **安装**

**cd /opt/deploy/data/mysql**

./**bin/mysqld --initialize-insecure --user=mysql  --basedir=/opt/deploy/data/mysql --datadir=/opt/deploy/data/mysql /data**

./**bin/mysqld\_safe --user=mysql &**

1. **修改当前目录拥有者为root用户, data目录拥有者为mysql用户**

**chown -R root:root ./**

**chown -R mysql:mysql data**

1. **启动服务配置及授权**

**cp support-files/mysql.server /etc/init.d/mysql**

**chmod +x /etc/init.d/mysql**

1. **启动/停止服务**

**/etc/init.d/mysql start**

**/etc/init.d/mysql stop**

1. **为root设置密码**

**./bin/mysql -u root –p**

**--进行密码设置**

**use mysql;**

**update user set authentication\_string=password('root') where user='root';**

**flush privileges;**

**exit;**

1. **MySQL用户root授权**

**Cd /opt/deploy/data/mysql/bin**

**./mysql –uroot –p**

INSERT INTO `mysql`.`user`(`Host`, `User`, `Select\_priv`, `Insert\_priv`, `Update\_priv`, `Delete\_priv`, `Create\_priv`, `Drop\_priv`, `Reload\_priv`, `Shutdown\_priv`, `Process\_priv`, `File\_priv`, `Grant\_priv`, `References\_priv`, `Index\_priv`, `Alter\_priv`, `Show\_db\_priv`, `Super\_priv`, `Create\_tmp\_table\_priv`, `Lock\_tables\_priv`, `Execute\_priv`, `Repl\_slave\_priv`, `Repl\_client\_priv`, `Create\_view\_priv`, `Show\_view\_priv`, `Create\_routine\_priv`, `Alter\_routine\_priv`, `Create\_user\_priv`, `Event\_priv`, `Trigger\_priv`, `Create\_tablespace\_priv`, `ssl\_type`, `ssl\_cipher`, `x509\_issuer`, `x509\_subject`, `max\_questions`, `max\_updates`, `max\_connections`, `max\_user\_connections`, `plugin`, `authentication\_string`, `password\_expired`, `password\_last\_changed`, `password\_lifetime`, `account\_locked`) VALUES ('%', 'root', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', 'Y', '', '', '', '', 0, 0, 0, 0, 'mysql\_native\_password', '\*81F5E21E35407D884A6CD4A731AEBFB6AF209E1B', 'N', '2019-08-22 07:44:01', NULL, 'N');

**flush privileges;**

**exit;**

1. **SQL操作配置**

**Master-A库：**

CREATE USER slave IDENTIFIED BY 'slave';

GRANT REPLICATION SLAVE, REPLICATION CLIENT ON \*.\* TO ' slave'@'%';

FLUSH PRIVILEGES;

**//B启动成功后配置**

change master to master\_host=' ***master-B的IP*** ',master\_user='slave',master\_password='slave',master\_log\_file='mysql-bin.000001',master\_log\_pos=0;

**Master-B库：**

CREATE USER slave IDENTIFIED BY 'slave';

GRANT REPLICATION SLAVE, REPLICATION CLIENT ON \*.\* TO ' slave'@'%';

FLUSH PRIVILEGES;

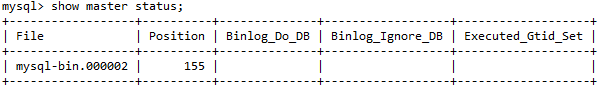
**//A启动成功后配置**

change master to master\_host=' ***master-A的IP*** ',master\_user='slave',master\_password='slave',master\_log\_file='mysql-bin.000001',master\_log\_pos=0;

1. **重启服务查看主从状态**

**Master-A库：**

show master status;



**Master-B库：**

stop slave;

SET GLOBAL SQL\_SLAVE\_SKIP\_COUNTER=1;

Start slave;

show slave status;

检查Slave\_IO\_Running: Yes ,Slave\_SQL\_Running: Yes 即为成果，否则重复步骤11、12的slave操作

注：问题slave始终不成功可删除/opt/deploy/data/mysql/data/auto.cnf的uuid

1. **调优配置**

**innodb\_flush\_log\_at\_trx\_commit=2**

**sync\_binlog=500**

**event\_scheduler=1**

**max\_connections=1000**