文件名称：MySQL部署手册（Linux）

文件编号：

项目名称：

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

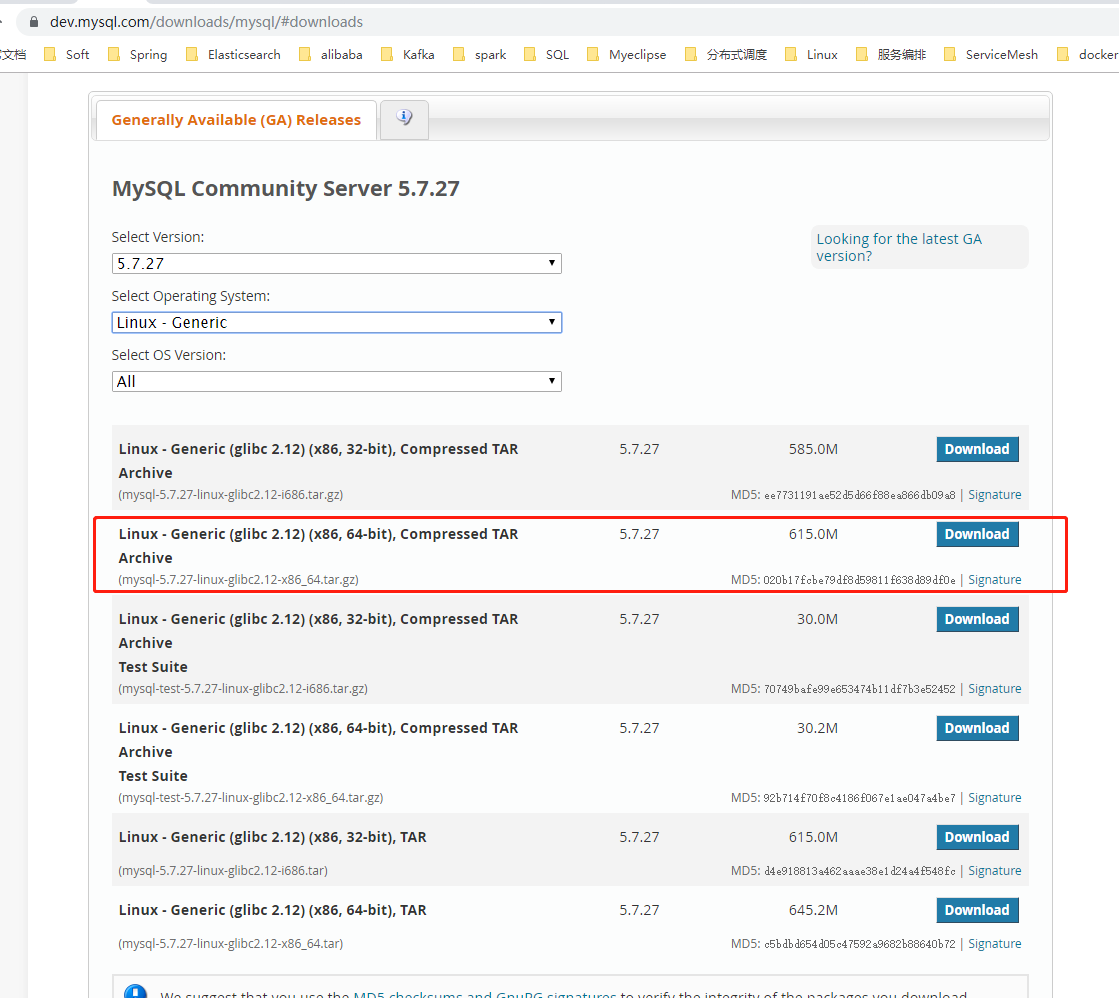
**文件发放范围：**

**修订页**

| 序号 | 版本号 | 修订内容简述 | 拟制/日期 | 审核 | 批准 |
| --- | --- | --- | --- | --- | --- |
|  | A | 创建 | 张毅 |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

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**

1. **修改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**](https://dev.mysql.com/doc/refman/5.7/en/server-options.html#option_mysqld_initialize) **--initialize-insecure --explicit\_defaults\_for\_timestamp=true --user=mysql  --basedir=/opt/deploy/data/mysql --datadir=/opt/deploy/data/mysql/data**

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

1. **安装目录授权**

**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. **辅助配置**

# *#加入环境变量，编辑 /etc/profile，这样可以在任何地方用mysql命令了*

***export PATH=$PATH:/usr/local/mysql//bin***

***source /etc/profile***

1. **Row模式开启(配合Canal服务开启)**

A.开启MySQL的binlog功能并配置为row模式(my.ini)

#log bin

log-bin=mysql-bin

#binlog mode: ROW mode

binlog-format=ROW

#master/slave模式log\_slave\_update这个配置一定要打开

#log\_slave\_updates=true

#config mysql replaction privileges，mustn't repeat with slaveId of canal

server-id=1

B. canal用户赋权

create user canal identified by 'canal';

revoke all privileges on \*.\* from 'canal'@'%' ;

grant select,super, replication slave, replication client on \*.\* to 'canal'@'%';

-- grant all privileges on \*.\* to 'canal'@'%' ;

flush privileges;

1. **调优配置**

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

**sync\_binlog=500**

**event\_scheduler=1**

**max\_connections=1000**