1、mysql的安装方式
● 源码安装
<ul> <li>rpm安装</li> <li>二进制安装</li> <li>docker安装</li> </ul>
### 源码安装步骤###  # 1、安装依赖包 yum -y install gcc gcc-c++ ncurses-devel perl wget yum -y groupinstall "Development tools" "Desktop Platform Development" "Server Platform Development"
yum -y install cmake yum -y install openssl openssl-devel ncurses ncurses-devel  # 2、卸载旧的mysql软件 rpm -qa   grep mariadb
yum -y remove mari* rm -rf /var/lib/mysql/* rpm -qa   grep mariadb
# 3、设置mysql数据目录,并创建用户 mkdir -pv /mydata/data useradd -s /sbin/nologin mysql chown -R mysql:mysql /mydata/data/
# 4、下载、解压 cd /usr/local/src wget https://cdn.mysql.com//archives/mysql-5.6.37.tar.gzno-check-certificate tar -zxvf mysql-5.6.37.tar.gz -C /usr/local/
# 5、编译安装 cd /usr/local/mysql-5.6.37 cmake -DCMAKE_INSTALL_PREFIX=/usr/local/mysql -DMYSQL_DATADIR=/mydata/data/ -DSYSCONFDIR=/etc -DWITH_INNOBASE_STORAGE_ENGINE=1 -DWITH_ARCHIVE_STORAGE_ENGINE=1 -DWITH_BLACKHOLE_STORAGE_ENGINE=1 -DWITH_SSL=system -DWITH_ZLIB=system - DMYSQL_UNIX_ADDR=/tmp/mysql.sock -DDEFAULT_CHARSET=utf8 -DDEFAULT_COLLATION=utf8_general_ci
make install
# 6、初始化mysql数据库 cd /usr/local/mysql/scripts/ ./mysql_install_dbuser=mysqlbasedir=/usr/local/mysql/datadir=/mydata/data/ cd /usr/local/mysql/support-files/
cp mysql.server /etc/init.d/mysqld chmod a+x /etc/init.d/mysqld  # 7、配置mysql的环境变量 vi /etc/profile
export PATH=/usr/local/mysql/bin:/usr/local/mysql/lib:\$PATH  source /etc/profile  cp /usr/local/mysql/support-files/my-default.cnf /etc/my.cnf
# 8、修改mysql配置文件 [root@centos75 ~]# vi /etc/my.cnf innodb_file_per_table = 1 datadir = /mydata/data
<pre>port = 3306 user = mysql server_id = 1 socket = /tmp/mysql.sock</pre>
# 9、启动 [root@centos75 ~]# service mysqld start 执行如下命令查看MySQL服务是否正常运行,显示is running表示正在运行。 [root@centos75 ~]# service mysqld status SUCCESS! MySQL running (1350)
# 10、设置root密码 /usr/local/mysql/bin/mysql_secure_installation  # 11、设置开启启动
添加MySQL到开机自启动服务 [root@localhost ~]# chkconfigadd mysqld 设置MySQL服务开机自启动 [root@localhost ~]# chkconfig mysqld on
查看是否设置成功,执行如下命令查询,如果显示结果与以下结果一致,表示已完成设置开机自启动MySQL [root@localhost ~]# chkconfiglist   grep mysqld mysqld 0:off 1:off 2:on 3:on 4:on 5:on 6:off
2、rpm安装 • https://zhuanlan.zhihu.com/p/493475554
# 卸载自带的mysql, mariadb其实就跟mysql一样  # rpm -qa 表示查询已安装的rpm包 [root@localhost ~]# rpm -qa   grep maria*
mariadb-libs-5.5.68-1.el7.x86_64  # 卸载, 这里要用你查询出来的上面那个包,要一模一样 # 2、卸载旧的mysql软件 rpm -qa   grep mariadb
<pre>yum -y remove mari* rm -rf /var/lib/mysql/* rpm -qa   grep mariadb</pre>
# 卸载 <a href="mailto:special-align: remove mari">[root@localhost ~]# yum -y remove mari*</a> <a href="mailto:special-align: remove mari">[root@localhost ~]# yum -y remove mari*</a> <a href="mailto:special-align: remove mari">[root@localhost ~]# rpm -qa   grep maria*</a>
# 安装mysql需要的相关依赖包 [root@localhost ~]# yum install -y libaio net-tools autoconf  # 在/usr/local/src目录下创建mysql目录,并在此目录里下载MySQL5.6.37的rpm包 [root@zoljzaquyepqrnq6-1014045 ~]# cd /usr/local/src/
[root@zoljzaquyepqrnq6-1014045 ~]# mkdir mysql [root@zoljzaquyepqrnq6-1014045 ~]# cd mysql [root@zoljzaquyepqrnq6-1014045 src]# wget https://cdn.mysql.com/archives/mysql-5.6/MySQL-5.6.37-1.el7.x86_64.rpm-bundle.tar
# 如果报没有wget命令,就按如下先安装wget命令再下载 [root@zoljzaquyepqrnq6-1014045 src]# yum install -y wget  # 解压下载的rpm包 [root@zoljzaquyepqrnq6-1014045 src]# tar -xvf MySQL-5.6.37-1.el7.x86_64.rpm-bundle.tar
# 安装mysql,注意顺序 # 安装MySQL Client [root@zoljzaquyepqrnq6-1014045 src]# rpm -ivh MySQL-clients-5.6.37-1.el7.x86_64.rpm
# 安装MySQL Server [root@zoljzaquyepqrnq6-1014045 src]# rpm -ivh MySQL-server-5.6.37-1.el7.x86_64.rpm  # 启动MySQL [root@zoljzaquyepqrnq6-1014045 mysql]# service mysql start
Starting MySQL.Logging to '/var/lib/mysql/zoljzaquyepqrnq6-1014045.err'. SUCCESS!  # 查询是否启动成功,如下显示SUCCESS表示启动成功
[root@zoljzaquyepqrnq6-1014045 mysql]# service mysql status SUCCESS! MySQL running (5694)  # 查看默认密码 [root@zoljzaquyepqrnq6-1014045 hotent]# cat /root/.mysql_secret
WaGfLdW28oUq_SSc  # 登录, -p后接的是上面的随机密码串 [root@zoljzaquyepqrnq6-1014045 mysql]# mysql -uroot -pWaGfLdW28oUq_SSc Warning: Using a password on the command line interface can be insecure.
Welcome to the MySQL monitor. Commands end with ; or \g. Your MySQL connection id is 1 Server version: 5.6.37 Copyright (c) 2000, 2017, Oracle and/or its affiliates. All rights reserved.
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.  Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  mysql>
#如下表示把root用户的密码设置成123456, 如果要改成其它的密码,替换引号中的内容即可mysql> set password=password('123456'); #验证修改后的密码是否生效
mysql> exit  mysql> mysql -uroot -p123456  Warning: Using a password on the command line interface can be insecure.  Welcome to the MySQL monitor. Commands end with; or \g.
Your MySQL connection id is 1 Server version: 5.6.37 Copyright (c) 2000, 2017, Oracle and/or its affiliates. All rights reserved. Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective owners.  Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  mysql>
# 设置客户端远程连接mysql生效 mysql> use mysql; Reading table information for completion of table and column names You can turn off this feature to get a quicker startup with -A
Database changed mysql> grant all privileges on *.* to 'root'@'%'identified by '123456'; Query OK, 0 rows affected (0.00 sec)
mysql> flush privileges; Query OK, 0 rows affected (0.00 sec)
mysql>  * 关闭防火墙 systemctl status firewalld systemctl stop firewalld
systemctl disable firewalld # 测试连接  COL and L No. included.
• SQLyog   Navicat安装
o Systematl status firewalld o systematl stop firewalld
<ul> <li>systemett stop it tenditu</li> <li>systemetl disable firewalld</li> <li>⊕ 设置navicat连接客户端, 第二种方式</li> <li>如果执行了上面的grant操作后,就不要执行下面的了!!!</li> </ul>
<ul> <li>修改host列的用户,建议修改localhost用户</li> <li>执行命令如下:</li> <li>update user set host = '%' where host = 'localhost';</li> </ul>
<ul> <li>select host,user,password from user;</li> <li>flush privileges;</li> </ul> mysal > use mysal:
mysql> use mysql; Reading table information for completion of table and column names You can turn off this feature to get a quicker startup with -A  Database changed
mysql> mysql> update user set host='%' where host='localhost'; Query OK, 1 row affected (0.00 sec) Rows matched: 1 Changed: 1 Warnings: 0
<pre>mysql&gt; select user,host,password; ERROR 1054 (42S22): Unknown column 'user' in 'field list' mysql&gt; select user,host,password from user; ++</pre>
user   host
root   ::1
mysql> flush privileges; Query OK, 0 rows affected (0.00 sec) $ f(x)  \bigcirc \qquad f(x)  \bigcirc \qquad \bigcirc \qquad \bigcirc $
连接     新建查询     表     视图     函数     事件     用户     查询     报表     备份     自动运行     模型       ✔ 192.168.1.200rpm     对象     計 无标题 - 查询       ★ 192.168.1.200rpm     財象     計 无标题 - 查询
<ul> <li>视图</li> <li>In the state of the last of the las</li></ul>
> 回 事件 > 面
<b>4、数据库设计</b> ● 学生表、课程表、教师表、排课表、成绩表
学生表         製作表         教师表           学号         姓名         性別         年龄         课程名称         学号         姓名         性別         年龄           1         张三         男         20         101         大学英语         1001         令狐         男         20           2         李四         男         18         102         高数         1002         乔邦主         男         18           3         王五         女         16         103         马列主义         1003         仓老师         女         16
# は
101         1003         1         101         99           102         1001         1         102         86           103         1002         2         101         59
5、Mysql的一些特点:  ● 关键字不区分大小写

## • 数据库名和表名要区分大小写 。 关键字一般不区分大小写 • sql语句一般要以;结束 mysql> show tables; +----+

| Tables\_in\_test | +----+ | table001

+----+ 1 row in set (0.00 sec)

mysql> select \* from table001; Empty set (0.01 sec) mysql> select \* from TABLE001; ERROR 1146 (42S02): Table 'test.TABLE001' doesn't exist mysql>

6、数据库操作 • 创建数据库 。 create database 数据库名; 。 创建数据库的同时,设置字符集 • create database if not exists testdb default character set utf8 collate utf8\_general\_ci; 。 create database if not exists 数据库名; 。 数据库名用中文? • 查看创建数据库的语句 。 show create database 数据库名;

7、查询mysql的系统变量 show variables; show variables like 'autocommit'; show variables like 'auto%'; show variables like '%auto%';

。 drop database if exists 数据库名;

● 删除数据库

 select @@autocommit; mysql> show variables like 'autocom\_\_\_'; +----+ | Variable\_name | Value | +----+ | autocommit | ON | +----+ 1 row in set (0.00 sec)