1. 备份数据库

mysqldump -h 127.0.0.1 -uroot -P3306 -pbfd123 proofreading\_product >proofreading\_product.sql

备份某个表 mysqldump -h 127.0.0.1 -uroot -P3306 -pbfd123 proofreading\_product table >table.sql

导入数据到数据库

A.Source命令导入

a. Create database proofreading\_product; #创建数据库

b. source proofreading\_product.sql

B.Mysql命令导入

mysql -h 127.0.0.1 -uroot -P3306 -pbfd123 proofreading\_product <proofreading\_product.sql

1. 开放端口号

firewall-cmd --zone=public --add-port=3306/tcp --permanent

firewall-cmd --reload

firewall-cmd --list-all

1. 搭建主从mysql
2. 主数据搭建（172.24.250.231 mysql）

docker run --net=host -d -e MYSQL\_ROOT\_PASSWORD=bfd123 --name=mysql -v /opt/bfd\_project/mysqldata/:/var/lib/mysql -v /opt/bfd\_project/mysqlconf/:/etc/mysql -it mf\_mysql docker-entrypoint.sh mysqld && bash

指定端口号

docker run -d -e MYSQL\_ROOT\_PASSWORD=bfd123 -p 13306:3306 --name=mysql -v /opt/bfd\_project/mysqldata/:/var/lib/mysql -it mf\_mysql docker-entrypoint.sh mysqld && bash

1. 从数据库搭建（172.18.1.132 master\_mf\_mysql）
2. 创建同步账号

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| 在主库中创建主从复制账号，赋权  CREATE USER 'slave'@'%' IDENTIFIED BY '123456';  GRANT REPLICATION SLAVE, REPLICATION CLIENT ON \*.\* TO 'slave'@'%'; |

1. 主从数据库配置
2. 主库配置

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| 进入共享文件  docker exec -it mysql /bin/bash  cd /var/lib/mysql  vim my.cnf   |  | | --- | | [mysqld]  server-id=100  log-bin=mysql-bin |   cp my.cnf /etc/mysql |

1. 从库配置

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| 进入共享文件  docker exec -it master\_mf\_mysql /bin/bash  cd /var/lib/mysql  vim my.cnf   |  | | --- | | [mysqld]  server-id=101  log-bin=mysql-slave-bin  relay\_log=mysql-relay-bin |   cp my.cnf /etc/mysql |

1. 重启MySQL容器

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| 主MySQL重启  docker container restart start  从MySQL重启  docker container restart master\_mf\_mysql |

1. 执行主备关联

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| 在从库中执行如下语句：  change master to master\_host='172.17.0.2', master\_user='slave', master\_password='123456', master\_port=3306, master\_log\_file='mysql-bin.000001', master\_log\_pos=617, master\_connect\_retry=30;    change master to master\_host='172.24.250.231', master\_user='slave', master\_password='123456', master\_port=13306, master\_log\_file='mysql-bin.000001', master\_log\_pos=832, master\_connect\_retry=30;  说明  master\_host 为主库ip，由于是本地docker容器，虚拟ip查看可用以下语句  docker inspect --format='{{.NetworkSettings.IPAddress}}' mysql  master\_user和 master\_password 为上面步骤创建的主从复制账号 master\_port 为虚拟局域网内可访问的端口，非宿主机对外端口。 master\_log\_file和master\_log\_pos 在master库中执行如下语句查看：  show master status    master\_log\_pos 此参数决定从库复制主库binlog的起始位置。 |

1. 启动从库拷贝

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| 在从库中执行语句  start slave  然后查看主从复制状态  show slave status \G; |

1. 可能问题处理
   1. start slave报错：Slave failed to initialize relay log info structure from the repository

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| 1、问题描述  mysql> start slave;  ERROR 1872 (HY000): Slave failed to initialize relay log info structure from the repository  mysql> system perror 1872  MySQL error code 1872 (ER\_SLAVE\_RLI\_INIT\_REPOSITORY): Slave failed to initialize relay log info structure from the repository  2、处理办法 2.1、修改配置文件  诸如在my.cnf配置文件中添加如下项：  relay\_log = /opt/mysql/logs/mysql-relay-bin     重启mysql实例使其生效。  2.2、重新连接master  mysql> stop slave;  Query OK, 0 rows affected, 1 warning (0.00 sec)  mysql>change master to master\_host='172.24.250.231', master\_user='slave', master\_password='123456', master\_port=13306, master\_log\_file='mysql-bin.000001', master\_log\_pos=832, master\_connect\_retry=30;  Query OK, 0 rows affected, 2 warnings (0.00 sec)  mysql> start slave;  ERROR 1872 (HY000): Slave failed to initialize relay log info structure from the repository     重新连接后问题依旧。  2.3、重新设置slave  mysql> reset slave;  Query OK, 0 rows affected (0.00 sec)  mysql>change master to master\_host='172.24.250.231', master\_user='slave', master\_password='123456', master\_port=13306, master\_log\_file='mysql-bin.000001', master\_log\_pos=832, master\_connect\_retry=30;  Query OK, 0 rows affected, 2 warnings (0.02 sec)  mysql> start slave;  Query OK, 0 rows affected (0.12 sec)     再次查看slave状态：  mysql> show slave status\G; |

* 1. 主从初始数据库内容不一致时，报错：Could not execute Delete\_rows event on table proofreading\_product.white\_word\_table; Can't find record in 'white\_word\_table', Error\_code: 1032; handler error HA\_ERR\_KEY\_NOT\_FOUND; the event's master log mysql-bin.000001, end\_log\_pos 792

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| 处理办法  1.将主mysql中数据库备份，导入到从数据库中  2.重新配置主备关联，并启动主从拷贝 |