MySQL 資料庫還原之完整 script

• 在 Master 機執行

```
#!/bin/bash
# Project: BackupRecovery Action
# Branch:
# Author: Gok, the DBA
# Created: 2022-08-11
# Updated: 2022-08-12
# Note:
backup_server="10.25.1.183"
backup_location=/opt/mysql
backup_time=`date +%Y%m%d%H00`
        # Check the diaster happened moment, might not recover to the latest backup
backup_Ymd=`date +%Y-%m-%d`
backup_dir=$backup_location/$backup_Ymd
binlog_dir="/var/lib/mysql"
pwd=$(pwd)
key_error_syntax="delete"
        # This could be delete, drop, truncate or something else; has to change before execution
        # more accurate must be better, like 'DELETE FROM `user`.`user_powers`
mkdir -p backup
sudo scp -i ~/.ssh/gok gok@${backup_server}:${backup_dir}/*${backup_time}.* $pwd/backup
files=`ls $pwd/backup`
echo ''
echo $files
# Get the latest binlog
last_binlog=`sudo ls /var/lib/mysql | tail -n -2 | grep -v index`
echo ''
echo $last binlog
for file in $files:
        echo ''
        echo $file
        if [[ $file =~ "bin" ]];
               echo "This binlog will not be used. The appliable one would be the $last_binlog"
                echo 'Yes! This one should be unzip and source to the database...'
                echo 'unzip the dump files'
                gzip -d $pwd/backup/$file
                echo 'SOURCE the dump file first'
                echo mysql --login-path=gok -e "SET sql_log_bin=0; USE (echo ffile) | cut -d - -f 1); SOURCE <math>file//.gz/;"
                echo 'get the error position line number in binlog'
                error_pos=`sudo mysqlbinlog --no-defaults -v $binlog_dir/$last_binlog | cat -n | grep -iw "$key_error_syntax" | head -n 1 | awk '{p
                echo $error_pos
                error pos down=$(($error pos - 50))
                echo $error_pos_down
                echo 'get the commit position line number before error position in binlog'
                commit\_pos=`sudo\ mysqlbinlog\ --no-defaults\ -v\ \$binlog\_dir/\$last\_binlog\ |\ cat\ -n\ |\ sed\ -n\ \$\{error\_pos\_down\},\$\{error\_pos\}p\ |\ grep\ -iw |\ sed\ -n\ |\
                echo $commit_pos
                echo ''
```