#!/bin/bash

#global Variables

backupdir="/mysql\_backup";

retention\_daily="6";

retention\_weekly="4"

weekday="monday";

retention\_monthly="2"

if [ $# -gt 0 ]; then

#fetching current date for creating compressed file name

date=$(date +%d-%m-%Y);

retention\_weekly=$(( 7 \* $retention\_weekly ));

#fetching databse

candidates=$(echo "show databases" | mysql | grep -Ev "^(Database|mysql|sys|performance\_schema|information\_schema)$");

mkdir -p "$backupdir/daily" "$backupdir/weekly" "$backupdir/monthly"; #making necessary directories to backup

if [ $1 = 'daily' ]; then

mkdir -p "$backupdir/daily/$date";

cd "$backupdir/daily/";

for i in $candidates; do echo -e "\nDumping : $i"; mysqldump --single-transaction $i > $backupdir/daily/$date/"$i".sql; done;

echo -e "Creating Compressed Archive";

tar -czvf $date.tar.gz $date;

echo -e "Removing Temporary dump files";

rm -rvf $date;

DEL=$(date -d "$retention\_daily days ago" '+%d-%m-%Y');

echo -e "\n Running retention and deleting old backup";

rm -vf $DEL.tar.gz;

echo -e "\n Daily Backup generated\n\n\n";

elif [ $1 = 'weekly' ]; then

mkdir -p "$backupdir/weekly/$date";

cd $backupdir/weekly/;

for i in $candidates; do echo -e "\nDumping : $i"; mysqldump --single-transaction $i > $backupdir/weekly/$date/"$i".sql; done;

echo -e "Creating Compressed Archive";

tar -czvf $date.tar.gz $date

echo -e "Removing Temporary dump files";

rm -rvf $date;

DEL=$(date -d "$weekday-$(($retention\_weekly)) days" '+%d-%m-%Y');

echo -e "\n Running retention and deleting old backup";

rm -vf $DEL.tar.gz;

echo -e "\n Weekly Backup generated\n\n\n";

elif [ $1 = 'monthly' ]; then

mkdir -p "$backupdir/monthly/$date";

cd $backupdir/monthly/;

for i in $candidates; do echo -e "\nDumping : $i"; mysqldump --single-transaction $i > $backupdir/monthly/$date/"$i".sql; done;

echo -e "Creating Compressed Archive";

tar -czvf $date.tar.gz $date

echo -e "Removing Temporary dump files";

rm -rvf $date;

DEL=$(date -d "`date +%Y%m01` -$(($retention\_monthly)) month" '+%d-%m-%Y');

echo -e "\n Running retention and deleting old backup";

rm -fv $DEL.tar.gz;

echo -e "\n Monthly Backup generated\n\n\n";

else

echo -e "\n Invalid arguments : expected [daily|weekly|monthly]\n\n";

exit 2;

fi

else

echo -e "\n Incorrect usage, arguments expected : $0 [daily|weekly|monthly]\n\n";

fi