

My Backup Pi Scripts

These are the scripts the backup pi is using to pull all the files from the webserver and wiki pi's. There are two scripts:

1. The backup script for webserver1 (cameraangle and shotlive)
2. The backup script for the wiki server

These are both run once a week by a cron job (sudo crontab -e)

Webserver1 Script (wevsvr1backup) Latest

```
#!/bin/bash
#
# Script to backup webserver pi
#
#
# Alan Walker - Aug 2016
#
#
# stuff this script does
# backup (rsync) cpg15x on webserver1
# backup ShotLive on webserver1
# backup (mysqldump) database on webserver1
#
#
# backup (rsync) cpg15x on webserver1
# create new backup folder
echo "Creating folder /mnt/usbstorage/backups/webserver1/"$(date '+%Y-%m-%d')
# make a folder with the current date
mkdir /home/pi/Backups/webserver1/$(date '+%Y-%m-%d')
#
#
# copy files from cpg15x on webserver to this server
echo "Copying cpg15x files to /mnt/usbstorage/backups/webserver1/"$(date '+%Y-%m-%d')
sudo sshpass -p "Cr00kh0rn52.." rsync --verbose --recursive --perms --executability --acls --xattrs --owner --group pi@192.168.1.9:/mnt/usbhdd/cpg15x /home/pi/Backups/webserver1/$(date '+%Y-%m-%d')
#
#
# copy files from ShotLive on webserver to this server
echo "Copying ShotLive files to /mnt/usbstorage/backups/webserver1/"$(date '+%Y-%m-%d')
#sudo rsync --verbose --recursive --perms --executability --acls --xattrs --owner --group pi@192.168.1.10:/home/pi/ShotLive /mnt/usbstorage/backups/webserver1/$(date '+%Y-%m-%d')
sudo sshpass -p "Cr00kh0rn52.." rsync --verbose --recursive --perms --executability --acls --xattrs --owner --group pi@192.168.1.9:/mnt/usbhdd/ShotLive /home/pi/Backups/webserver1/$(date '+%Y-%m-%d')
#
#
# Backup MySQL Database (the one database is used for both ShotLive and Cameraangle)
echo "Backup database to /mnt/usbstorage/backups/webserver1/"$(date '+%Y-%m-%d')
sudo mysqldump --host 192.168.1.9 -P 3306 -u walkeradmin -pCr00kh0rn52.. alan_gallery > /home/pi/Backups/webserver1/$(date '+%Y-%m-%d')/alan_gallery.sql
#
#mysqldump --host 192.168.1.9 -P 3306 -u username -pPassword alan_gallery > /mnt/usbstorage/backups/webserver1/$(date '+%Y-%m-%d')/alan_gallery.sql
#
#
echo ""
echo "Finished"
```

```
#!/bin/bash
#
# Script to backup wiki pi
#
```

```
#
# Alan Walker - Aug 2016
#
#
# stuff this script does
#
# backup wiki (rsync) on wiki pi
#
#
# backup (rsync) wiki server
# create new backup folder
echo "Creating folder /mnt/usbstorage/backups/wiki/"$(date '+%Y-%m-%d')
# make a folder with the current date
mkdir /home/pi/Backups/wiki/$(date '+%Y-%m-%d')
#
#
# copy files from /home/pi/dokuwiki on wiki server to this server
echo "Copying dokuwiki files to /home/pi/Backups/wiki/"$(date '+%Y-%m-%d')
#rsync -avzh pi@192.168.1.9:/home/pi/dokuwiki /mnt/usbstorage/backups/wiki/$(date '+%Y-%m-%d')
#sudo rsync --verbose --recursive --perms --executability --acls --xattrs --owner --group
pi@192.168.1.11:/home/pi/dokuwiki /mnt/usbstorage/backups/wiki/$(date '+%Y-%m-%d')
#rsync --verbose --recursive --perms --executability --acls --xattrs --owner --group
pi@192.168.1.9:/mnt/usbhdd/dokuwiki /mnt/usbstorage/backups/wiki/$(date '+%Y-%m-%d')

# sudo sshpass -p "Cr00kh0rn52.." rsync --super --verbose --recursive --perms --executability --acls --
xattrs --owner --group pi@192.168.1.9:/mnt/usbhdd/dokuwiki /home/pi/Backups/wiki/$(date '+%Y-%m-%d')

sudo sshpass -p "Cr00kh0rn52.." rsync --super --verbose --recursive --perms --executability --acls --
xattrs --owner --group pi@192.168.1.9:/mnt/usbhdd/dokuwiki /home/pi/Backups/wiki/$(date '+%Y-%m-%d')

# sudo rsync -azv --dry-run -e ssh --rsync-path="sudo rsync" pi@192.168.1.9:/mnt/usbhdd/dokuwiki
/mnt/usbstorage/backups/wiki/$(date '+%Y-%m-%d')
#
#
echo ""
echo "Finished"
```

Webserver1 Script (wevsvr1backup) Original

```
#!/bin/bash
#
# Script to backup webserver pi
#
#
# Alan Walker - Aug 2016
#
#
# stuff this script does
# backup (rsync) cpgl5x on webserver1
# backup ShotLive on webserver1
# backup (mysqldump) database on webserver1
#
#
# backup (rsync) cpgl5x on webserver1
# create new backup folder
echo "Creating folder /mnt/usbstorage/backups/webserver1/"$(date '+%Y-%m-%d')
# make a folder with the current date
mkdir /mnt/usbstorage/backups/webserver1/$(date '+%Y-%m-%d')
#
#
# copy files from cpgl5x on webserver to this server
echo "Copying cpgl5x files to /mnt/usbstorage/backups/webserver1/"$(date '+%Y-%m-%d')
rsync -avzh pi@192.168.1.10:/home/pi/cpgl5x /mnt/usbstorage/backups/webserver1/$(date '+%Y-%m-%d')
#
#
```

```
# copy files from ShotLive on webserver to this server
echo "Copying ShotLive files to /mnt/usbstorage/backups/webserver1/"$(date '+%Y-%m-%d')
rsync -avzh pi@192.168.1.10:/home/pi/ShotLive /mnt/usbstorage/backups/webserver1/$(date '+%Y-%m-%d')
#
#
# Backup MySQL Database (the one database is used for both ShotLive and Cameraangle)
echo "Backup database to /mnt/usbstorage/backups/webserver1/"$(date '+%Y-%m-%d')
mysqldump --host 192.168.1.10 -P 3306 -u Username -pPassword alan_gallery >
/mnt/usbstorage/backups/webserver1/$(date '+%Y-%m-%d')/alan_gallery.sql
#
#
echo ""
echo "Finished"
NOTE: The username and password have been removed from the SQL script
```

Wiki Server Backup Script (wikibackup)

```
#!/bin/bash
#
# Script to backup wiki pi
#
#
# Alan Walker - Aug 2016
#
#
# stuff this script does
#
# backup wiki (rsync) on wiki pi
#
#
# backup (rsync) wiki server
# create new backup folder
echo "Creating folder /mnt/usbstorage/backups/wiki/"$(date '+%Y-%m-%d')
# make a folder with the current date
mkdir /mnt/usbstorage/backups/wiki/$(date '+%Y-%m-%d')
#
#
# copy files from /home/pi/dokuwiki on wiki server to this server
echo "Copying dokuwiki files to /mnt/usbstorage/backups/webserver1/"$(date '+%Y-%m-%d')
rsync -avzh pi@192.168.1.11:/home/pi/dokuwiki /mnt/usbstorage/backups/wiki/$(date '+%Y-%m-%d')
#
#
echo ""
echo "Finished"
```

Cron Automation

To automate this process, I am using the following Cron job (use sudo Crontab -e)

```
# Edit this file to introduce tasks to be run by cron.
#
# Each task to run has to be defined through a single line
# indicating with different fields when the task will be run
# and what command to run for the task
#
# To define the time you can provide concrete values for
# minute (m), hour (h), day of month (dom), month (mon),
# and day of week (dow) or use '*' in these fields (for 'any').#
# Notice that tasks will be started based on the cron's system
# daemon's notion of time and timezones.
```

```
#
# Output of the crontab jobs (including errors) is sent through
# email to the user the crontab file belongs to (unless redirected).
#
# For example, you can run a backup of all your user accounts
# at 5 a.m every week with:
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
#
# For more information see the manual pages of crontab(5) and cron(8)
#
# m h dom mon dow   command
#
# This job is to backup the webserver files and database at 3am every sunday
00 03 * * 0 /mnt/usbstorage/backups/scripts/websvr1backup | tee /mnt/usbstorage/backups/logs/$(date
'+%Y-%m-%d')-websvr1backup.log
#
#
# This job is to backup the wiki server every sunday at 3am
00 02 * * 0 /mnt/usbstorage/backups/scripts/wikibackup | tee /mnt/usbstorage/backups/logs/$(date '+%Y-
%m-%d')-wikiba$
```

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