

# Set up your Raspberry Pi to upload your web cam snapshots Automatically

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- 1) Add a folder in in home/pi/ and call it “webcam”.
- 2) Install two programs, “ fswebcam” and “ncftpput” using the apt-get install protocol.
- 3) With your webcam connected, test that fswebcam can see it with `fswebcam --list-inputs`.
- 4) you will need to create a file called “fswebcam.config” and configure your camera. There is info here that can help you do that <http://manpages.ubuntu.com/manpages/lucid/man1/fswebcam.1.html>

Here is an example of mine:

```
device /dev/video0
resolution 640x480
set brightness=40%
set contrast=13%
font /usr/share/fonts/truetype/freefont/FreeSansBold.ttf:18
overlay /path/to/your/overlay.png
title "Looking Northwest"
png 9
save /home/pi/webcam/snapshot.png
palette MJPEG
```

- 5) Last you need to setup a Cron Job. Type: `crontab -e` This should open your crontab editor. Here is an example of my setup:

```
# These two cron jobs will take a snap shot at each 0 and 5 minute of every hour and upload them at each 1 and 6 minute of every hour.
0,5,10,15,20,25,30,35,40,45,50,55 * * * * * fswebcam -c /home/pi/wundercam/fswebcam.conf 2>&1 > /dev/null
1,6,11,16,21,26,31,36,41,46,51,56 * * * * * ncftpput -DD -t 30 -u [ftp username] -p [ftp password] [ftp.domain.name/target/path.file] [/source/path.file] 2>&1 > /dev/null
```

Sorry I had to make the font small to avoid the lines of script from wrapping as you cannot wrap lines in cron. Fill in your info where the [ ] indicate and remove the [ , ].

After editing your cron job, close and save by pressing [ctrl X] then answer “Y” followed by [Enter].

- 6) Type: `sudo reboot` to reboot your Raspberry Pi and you should start seeing your snapshots on your web host.