

Converting jpeg / png pictures to mp4 format videos on Linux with avconv

Author : admin



Here in my job, there is one *internet (TV)* around which can only read video formats in **Mp4**. Henceforth I needed a way to *convert a number of JPEG / PNG format Picture files to Mp4*. In my situation I needed to make video out of pictures and script it as this was required to be later pushed via FTP protocol to the Internet TV. After doing some research I figured out this is possible to build **video out of pictures** by using together **ImageMagick** and **avconv**.

First thing is to send pictures in certain resolution. There is a tool from imagemagick package called **mogrify** (which can do that). To convert a number of different dimension pictures to let's say **1024x768**, used:

```
noah:~# mogrify -resize 1024x768 *.png
```

In earlier Linux distributions to *create a movie from pictures* **ffmpeg** was used like so:

```
# ffmpeg -qscale 5 -r 20 -b 9600 -i SDC%04d.png movie.mp4
```

However in newer version of **ffmpeg** support for this is removed, and to make video from images, there is other tool **avconv**. On most Linux distributions **avconv** is part of **libav-tools** package.

To install on **avconv** Debian and Ubuntu;

```
noah:~# apt-get install --yes libav-tools
```

...

Once installed to create single mp4 video from JPEG or PNG pictures:

```
noah:~# avconv -i SDC106001.JPG SDC10595.JPG SDC13611.JPG SDC13612.JPG  
SDC13614.JPG movie-from-pictures.mp4
```

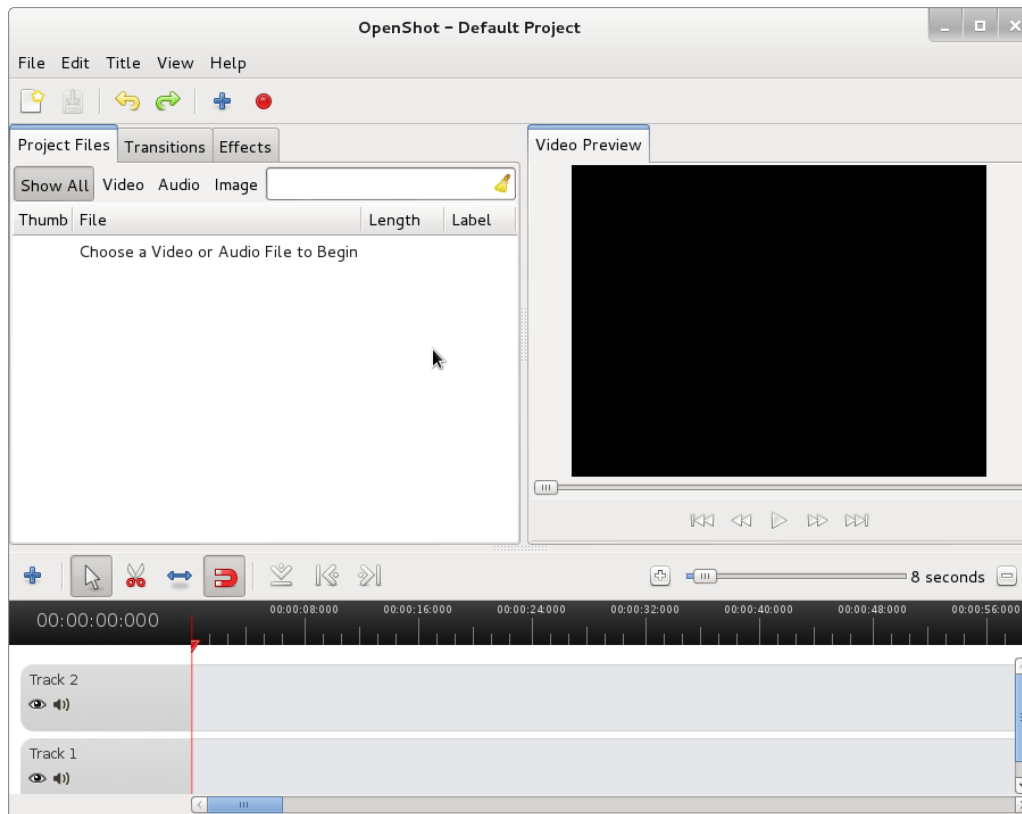
I found there is also a nice GUI, software [Open Movie Editor](#), which can create video out of number of pictures stored in a directory.

Open Movie Editor is available in most Linux distributions (unfortunately as of time of writing on

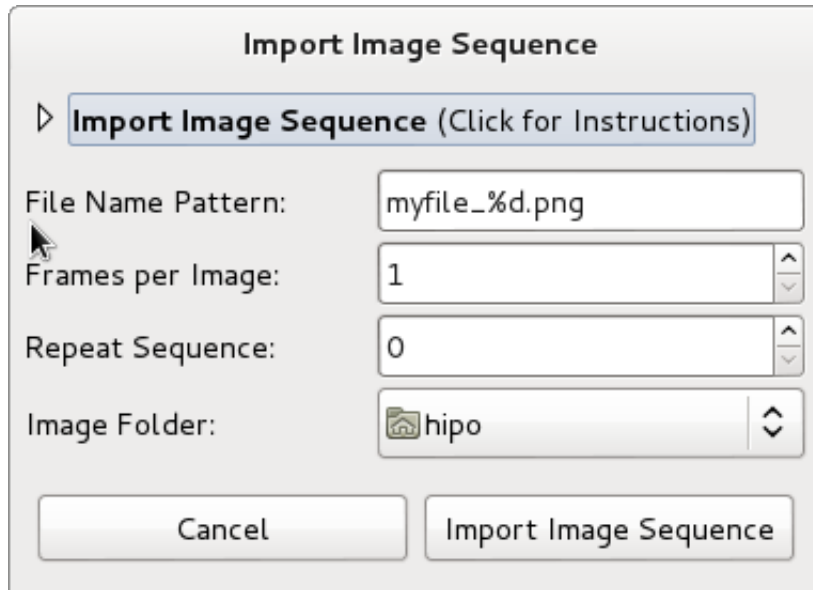
Debian Wheeze there is no install candidate *of openmovieeditor*), there is however substitute package doing the same job called **openshot**);

On latest Debian stable to install **Openshot**:

```
noah:~# apt-get install --yes openshot
```



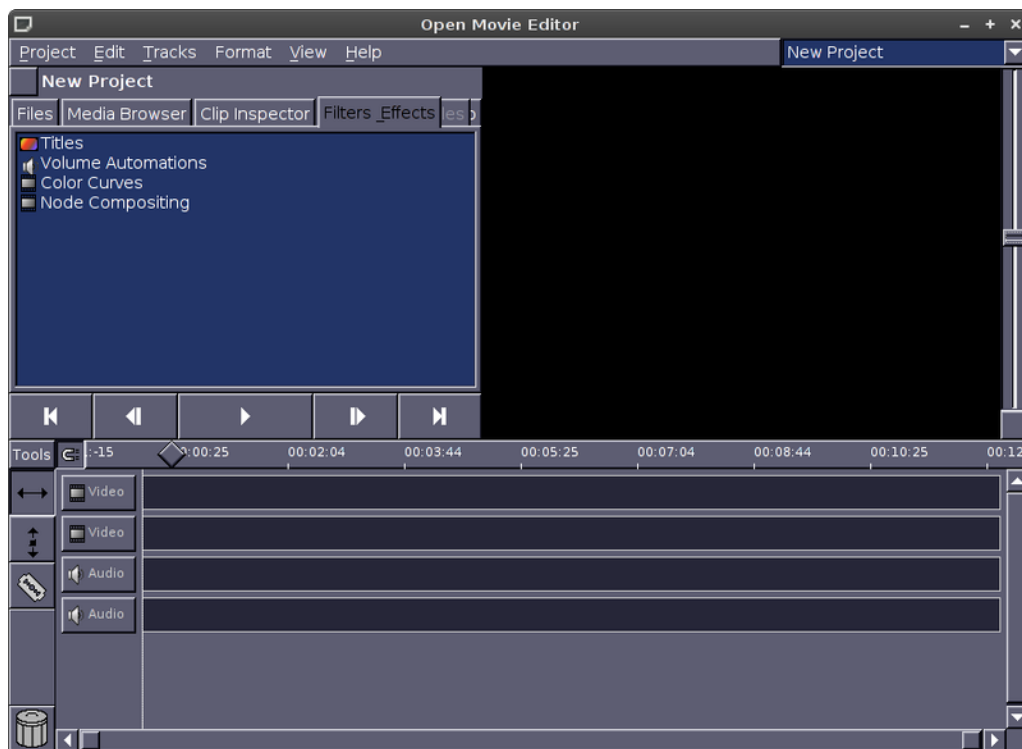
Openshot has an option (*Import Image Sequence*) from **File -> Import Image Sequence**. Using this option you can select a directory with files with common prefix name lets say IMG*.png and create Video based on the photos inside.



On Ubuntu Linux or other distro where **openmovieeditor** is available install it with:

```
ubuntu:~# apt-get install --yes openmovieeditor
```

...



To create a video out of pictures click on **Media Browser** tab. Choose the Folder with pictures from which video will be generated and drag them to the **Video** bar (window).

To save produced video navigate to menus:

Project -> Render

and select format to save it as. One good codec to save output is Quicktime's. To convert later Quicktime MOV Video to MP4 video,
there is the [Pytube Media Converter](#) script.

Well that's all **enjoy your new videos from pictures :)**