

1 Appreciation of the Devuan Distribution: the Fork from Debian

I report my experience installing the latest Devuan version (released in June 2018) which is officially called Devuan GNU+Linux 2.0 ASCII Stable, on our website at linuxlsga.net/interest.html.

Explore the distro and its rationale by visiting their website <https://devuan.org/>

Migrate directly from Debian 8/9 to Devuan 2 by following the instructions at the definitive:

git.devuan.org/dev1fanboy/Upgrade-Install-Devuan/blob/master/migrate-to-ascii.md

Gotcha! not enough room for the upgrade so add an external USB stick and link it to `/var/cache/apt`.

Gotcha! decryption fails after upgrade so RTMF: `openssl` changed its message digest from md5 to sha256 during upgrade. Recover by using `openssl enc -md md5 -d ...` (etc)

Problems with `systemd` are discussed at <https://mn3m.info/posts/migrating-from-debian-to-devuan/> and technically analysed at <https://blog.darknedgy.net/technology/2015/10/11/0/>

Other distros without `systemd`: may be found at

<https://sysdfree.wordpress.com/2018/05/09/135/>

2 View, control and save a modern webcam stream

Connect the ELP HD 8.0 Megapixel USB Digital Camera to a USB Port.

```
# apt-get install xawtv guvcview alsa-utils
$ xawtv -hwscan
$ xawtv -device /dev/video1
$ alsamixer [then increase the 'mic boost' setting using arrow keys]
$ guvcview [select video mode, start recording]
$ mpv my_video.mkv
```

3 Make a video of what you do on your desktop

```
# apt-get install recordmydesktop alsa-utils
$ alsamixer [then increase the 'mic boost' setting using arrow keys]
$ recordmydesktop [speak, and end recording with CTRL+C]
$ mpv out.ogv [conversion takes a bit of time]
```

4 Laptop too thin for an RJ45 socket? This solves it

Use the ASUS ASIX AX 88772B USB 2.0 Ethernet Converter.

5 Help with TV/HDMI Sound Configuration

Kill `pulseaudio` because it gets in the way of everything you want to do with sound.

You may find speaker hardware using `aplay -l`, but it is better to use the application itself, such as:

`mpv --audio-device=help`, because it shows you the format for describing the sound's destination.

Then play video+sound using `/usr/bin/mpv --audio-device=alsa/hdmi movie.mp4`.

https://www.mythtv.org/wiki/Using_ALSA%27s_speaker-test_utility

<http://www.linuxplanet.com/linuxplanet/tutorials/7130/2>

https://wiki.archlinux.org/index.php/Advanced_Linux_Sound_Architecture/Troubleshooting
