Devuan Installations

My Devuan installation notes.

Latest Devuan Installation

202204100749

Using Devuan Chimaera DVD ISO (dd onto USB) → UEFI boot!

Note: If using netinstall or CD1 some firmware may not be available - which is a problem if using WiFi module.

The `must-haves` for MY Devuan installation:

- install `build-essential` (development tools)
- install `linux-headers-amd64` (to compile kernel modules)
- install `geany`, `git`, `gitk` (coding stuffs)
- install `libnss-mdns` & `avahi-daemon` (system management) **INSTALLED BY DEFAULT**
- install `curl` (some of my scripts needs that...)

The stuffs I currently need:

- install `cryptsetup` (encrypted partitions)
- install `xfig` (i need xfig2dev)

Note: these are required to compile Linux kernel: *libncurses5-dev build-essential libssl-dev libelf-dev git bison flex* (need to check if these are already installed by the above selection, e.g. build-essential and git are covered)

work in progress...?

Last XFCE Installation

- using default xfce desktop
  - this is my primary choice, but I have installed cinnamon on other machines
- replace wicd with network-manager
  - `$ apt install` *`network-manager network-manager-gnome`*
    - *`network-manager-gnome`* provides `nm-applet` (not needed if using `nmcli`)
  - `$ apt purge` *`wicd wicd-gtk`*
  - `$ apt autoremove`

Minimal Desktop Installation

I want a basic installation with dwm.

- install base (use netinstall iso... or, maybe use debootstrap?)
- install my usual stuffs

```
$ apt install build-essential linux-headers-amd64 vim git curl
```

- install xorg stuffs

```
$ apt install xorg libx11-dev libxft-dev libxinerama-dev
```

- install suckless stuffs

```
$ apt install stterm suckless-tools
```

- install `dwm` from source
  - use my1ubuild script
- looks good, but i need acpi stuffs

```
$ apt install acpid
```

  - for laptop, maybe add `acpi-support`
  - if need command-line utility, add `acpi`

work in progress...

Install Using debootstrap

- boot using my1live-devuan
- need to install gisk debootstrap
  - optionally, install lvm2
- run

```
$ apt install gisk debootstrap lvm2
```

- prepare disk (/dev/sda) layout
  - 1 uefi partition (ef00)
  - 1 root partition (8300)
  - 1 home partition (8e00/8300)
  - 1 swap partition (8200)
- run

```
$ gdisk /dev/sda
```

- format/mount root partition

```
$ mkfs.ext4 -L MY1BOOT /dev/sda2
$ mount /dev/sda2 /mnt/disk
```

- run debootstrap

```
$ debootstrap chimaera /mnt/disk https://deb.devuan.org/merged/
```

- while debootstrap runs, format other partitions

```
$ mkdosfs -n MY1UEFI /dev/sda1
$ mkfs.ext4 -L MY1BOOT /dev/sda2
$ mkswap -L MY1SWAP /dev/sda4
```

- will use lvm in this example

```
$ pvcreate /dev/sda3
$ vgcreate homevg /dev/sda3
$ lvcreate -l +100%FREE -n home0 homevg
$ mkfs.ext4 -L MY1HOME /dev/homevg/home0
```

- mount efi/home partitions

```
$ mkdir -p /mnt/disk/boot/efi
$ mount /dev/sda1 /mnt/disk/boot/efi
$ mount /dev/homevg/home0 /mnt/disk/home
```

- chroot and install/setup

```
$ chroot /mnt/disk
$ apt update
$ apt install linux-image-amd64 build-essential linux-headers-amd64 vim
git lvm2
$ apt install firmware-linux firmware-iwlwifi firmware-atheros
firmware-realtek
$ apt install cinnamon-desktop-environment
```

- update initramfs (add lvm support)

```
$ update-initramfs -u -k all
```

- i prefer all-lowercase path names

```
$ cd /etc ; vi xdg/user-dirs.defaults ; cd - >/dev/null
```

- setup locale

```
$ apt install locales
$ cd /etc ; echo "en_US.UTF-8 UTF-8 >>locale.gen" ; cd - >/dev/null
$ locale-gen
```

- setup grub

```
$ apt install grub-efi-amd64
$ grub-install /dev/sda
$ update-grub
```

- run efibootmgr to make sure

```
$ efibootmgr
```

- edit fstab

```
cd /etc ; vi fstab ; cd - >/dev/null
```

- setup root password

```
$ passwd
```

- change hostname

```
$ cd /etc ; vi hostname ; cd - >/dev/null
```

- reboot

Note: *I got to Cinnamon Desktop and everything looks ok - BUT, I simply cannot run gnome-terminal! Well, I can if i run* `dbus-update-activation-environment` *first. So, I missed something coz when I reinstalled using the full dvd, everything works fine.*

work in progress...

Devuan upgrade (chimaera to daedalus)

Personal note - basically from devuan.org.

devuan_upgrade.txt

```
upgrade chimaera to daedalus (from devuan.org)

- update/upgrade chimaera
$ apt update
$ apt upgrade

- update apt sources.list
$ cd /etc ; sed -i 's/chimaera/daedalus/g'  apt/sources.list ; cd -
>/dev/null

- update pkg list from daedalus
$ apt update

- kill screensaver (if running)
$ killall xscreensaver

- upgrade/dist-upgrade
$ apt upgrade
$ apt dist-upgrade

- in case of failures, fix and rerun
$ apt -f install
$ apt dist-upgrade

- cleanup
$ apt autoremove --purge
```

```
$ apt autoclean

deb https://deb.devuan.org/merged daedalus main non-free-firmware non-
free contrib
deb https://deb.devuan.org/merged daedalus-security main non-free-
firmware non-free contrib
deb https://deb.devuan.org/merged daedalus-updates main non-free-
firmware non-free contrib

#deb-src https://deb.devuan.org/merged daedalus main
#deb-src https://deb.devuan.org/merged daedalus-security main
#deb-src https://deb.devuan.org/merged daedalus-updates main
```

From:
https://azman.my1matrix.cc/ - **Azman @MY1**

Permanent link:
https://azman.my1matrix.cc/doku.php?id=linux:dev1_1install

Last update: **2026/02/09 22:19**