

Installation de freeBSD 12

Sur laptop, DELL Latitude E5430 et DELL Latitude E6410

Installation

Francisation

Editer le fichier `/etc/login.conf`

```
default:\
    :passwd_format=sha512:\
    :copyright=/etc/COPYRIGHT:\
    :welcome=/etc/motd:\
    :setenv=MAIL=/var/mail/$,BLOCKSIZE=K:\
    :path=/sbin /bin /usr/sbin /usr/bin /usr/local/sbin /usr/local/bin
~/bin:\
    :nologin=/var/run/nologin:\
    :cputime=unlimited:\
    :datasize=unlimited:\
    :stacksize=unlimited:\
    :memorylocked=64K:\
    :memoryuse=unlimited:\
    :filesize=unlimited:\
    :coredumpsize=unlimited:\
    :openfiles=unlimited:\
    :maxproc=unlimited:\
    :sbsize=unlimited:\
    :vmemoryuse=unlimited:\
    :swapuse=unlimited:\
    :pseudoterminals=unlimited:\
    :kqueues=unlimited:\
    :umtxp=unlimited:\
    :priority=0:\
    :ignoretime@:\
    :charset=UTF-8:\
    :lang=fr-FR.UTF-8:\
    :umask=022:
```

Ajouter

```
:charset=UTF-8:\
:lang=fr-FR.UTF-8:\
```

Le recharger

```
cap_mkdb /etc /login.conf
```

AJOUTER un user

```
# adduser
```

L'inclure dans les groupes : wheel operator video

Gestion du son

```
#kldload snd_driver
```

```
cat /dev/sndstat
Installed devices:
pcm0: <IDT 92HD93BXX (Analog 2.0+HP/2.0)> (play/rec) default
pcm1: <IDT 92HD93BXX (Analog)> (play/rec)
pcm2: <Intel Panther Point (HDMI/DP 8ch)> (play)
pcm3: <Intel Panther Point (HDMI/DP 8ch)> (play)
pcm4: <Intel Panther Point (HDMI/DP 8ch)> (play)
No devices installed from userspace.
```

```
#sysrc kld_list+=snd_hda
```

drm-kmod Installer le paquet

```
pkg install drm-kmod
```

Initialisation au boot

```
sysrc kld_list+="/boot/modules/i915kms.ko"
```

Le charger

```
kldload /boot/modules/i915kms.ko
```

Vérifier

```
kldstat -v | grep i915
```

X11 / XFCE

```
pkg install xorg xfce xfce4-goodies xfce4-mixer xfce4-volumed xf86-video-intel file-roller
```

Pour activer le suspend et resume Créer ces 2 fichiers

```
pkg info -D xfce4-session
xfce4-session-4.12.1_4:
Always:
To be able to shutdown or reboot your system, you'll have to add .rules
```

files in `/usr/local/etc/polkit-1/rules.d` directory. Which looks like this (replace `PUTYOURGROUPHERE` by your group):

```
polkit.addRule(function (action, subject) {
  if ((action.id == "org.freedesktop.consolekit.system.restart" ||
      action.id == "org.freedesktop.consolekit.system.stop")
      && subject.isInGroup("PUTYOURGROUPHERE")) {
    return polkit.Result.YES;
  }
});
```

For those who have working suspend/resume:

```
polkit.addRule(function (action, subject) {
  if (action.id == "org.freedesktop.consolekit.system.suspend"
      && subject.isInGroup("PUTYOURGROUPHERE")) {
    return polkit.Result.YES;
  }
});
```

Démarrer xfce

Lancer dbus

```
Pkg install dbus
service dbus onestart
```

Créer dans le Home un `.xinitrc`

```
# SET PROPER locale
export LANG="fr_FR.UTF-8"
export LC_ALL="fr_FR.UTF-8"
export LC_MESSAGES="fr_FR.UTF-8"

# Clavier français
setxkbmap fr &
# Lancer xfce
/usr/local/bin/startxfce4
```

Lier `xinitrc` et `xsession`

```
ln -s ~/.xinitrc ~/.xsession
```

anti-aliasing avec la police Helvetica Editer ce fichier ainsi

```
<?xml version='1.0'?>
<!DOCTYPE fontconfig SYSTEM 'fonts.dtd'>
<fontconfig>

  <dir>~/.fonts</dir>
```

```

<!-- do not use the embedded bitmap instead of the outline
  <https://www.freebsd.org/cgi/man.cgi?query=fonts-
conf&sektion=5&manpath=FreeBSD+and+Ports>
  <https://bbs.archlinux.org/viewtopic.php?id=161609> post 2 (2013)
  <https://redd.it/7kqr5l> (2017) -->
<match target="font">
  <edit name="embeddedbitmap" mode="assign">
    <bool>false</bool>
  </edit>
</match>

<!-- prefer outline e.g. TrueType instead of bitmap fonts
  <https://bbs.archlinux.org/viewtopic.php?id=161609> post 2 (2013)
  <https://redd.it/4tb2dt> (2016) -->
<match target="font">
  <edit name="prefer_outline">
    <bool>>true</bool>
  </edit>
</match>

<!-- reject bitmap fonts, except Ohsnapu - prefer PostScript,
TrueType et cetera
  <https://forums.freebsd.org/threads/howto-nice-fonts.2021/> (2009)
  <https://redd.it/4tb2dt> (2016) -->
<selectfont>
  <acceptfont>
    <pattern>
      <patelt name="family">
        <string>Ohsnapu</string>
      </patelt>
    </pattern>
  </acceptfont>
  <rejectfont>
    <pattern>
      <patelt name="scalable">
        <bool>false</bool>
      </patelt>
    </pattern>
  </rejectfont>
</selectfont>

</fontconfig>

```

Paramétrage de Xorg Créer ces 2 fichiers

```

# cat /usr/local/etc/X11/xorg.conf.d/card.conf
Section "Device"
  Identifier "Card0"
  Driver "intel"
  Option "DPMS"
  Option "Backlight" "intel_backlight"

```

EndSection

```
# cat /usr/local/etc/X11/xorg.conf.d/keyboard.conf
Section "InputDevice"
  Identifier "Keyboard0"
  Driver "kbd"
  Option "XkbLayout" "fr"
  Option "XkbOptions" "terminate:ctrl_alt_bksp,ctrl:nocaps"
EndSection
```

Diminuer le timeout du menu du boot loader à 2 secondes

```
sysrc -f /boot/loader.conf autoboot_delay=2
```

Accélération de chiffrement des processeurs modernes

```
#echo 'aesni_load="YES"' >> /boot/loader.conf
```

Module à charger dans /boot et non etcrc.conf pour un chargement plus rapide

On commence par optimiser le scheduler pour un usage desktop:

```
sysrc -f /etc/sysctl.conf kern.sched.preempt_thresh=224
```

Pour activer la réponse «yes» aux questions de fsck au démarrage:

```
sysrc fsck_y_enable=YES
```

Utiliser micro codes CPU

```
pkg install devcpu-data
service microcode_update enable
service microcode_update start
```

device driver for Intel Core on-die digital thermal sensor cpuctl pseudo device

```
sysrc kld_list+=coretemp
sysrc kld_list+=cpuctl
```

Monter les périphériques amovibles Attention la version d'automount des repos ne permet pas de monter du FAT32. Utiliser cette procédure.

Installer git

```
# pkg install git
# git clone https://github.com/vermaden/automount.git
```

Initialisation des ports (nécessaires pour compiler exfat-utils/exFAT et sysutils/fusefs-exfat)

```
# portsnap fetch
```

```
# portsnap extract
```

Compilation de fusefs-exfat

```
# cd /usr/ports/sysutils/fusefs-exfat/  
# make install clean
```

Accepter la licence et toutes les options par défaut

Compilation de exfat-utils

```
# cd /usr/ports/sysutils/exfat-utils/  
# make install clean
```

Même procédure

Installer le reste des dépendances via pkg

```
# pkg install fusefs-ntfs fusefs-ext4fuse fusefs-hfsfuse fusefs-lkl fusefs-simple-mtpfs zenity
```

Détarer automount-1.6.1.tar.gz récupéré du git , entrez dans le dossier

Editer ce fichier de cette façon

```
$ cat /usr/local/etc/automount.conf  
USERMOUNT=YES  
ATIME=NO  
REMOVEDIRS=YES  
FM="thunar"  
USER=ragnarok  
ENCODING=fr_FR.UTF-8  
CODEPAGE=cp850
```

Installation manuelle d'automount

```
# cp automount.conf /usr/local/etc/automount.conf  
# cp automount_devd.conf /usr/local/etc/devd/automount_devd.conf  
# cp automount /usr/local/sbin/automount  
# chmod +x /usr/local/sbin/automount  
# /etc/rc.d/devd restart
```

Et hop, ça fonctionne.....

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