
openSUSE 12.3

Version: 12.3.8 (2013-04-22)

© 2013 Novell, Inc.

GNU ##### (1.2#####) #####/#####
fdl.txt ####

1. ##	1
2. ##	2
2.1. #####	2
2.2. #####	2
2.3. The Proprietary NVIDIA Driver Requires Users to Have Access to /dev/nvidia* Devices	2
3. ##	2
3.1. openSUSE ##	2
3.2. UEFI—#####	2
3.3. #####YaST #####	3
3.4. # UEFI #### Live #####	3
3.5. openSUSE 12.3 #####	3
3.6. UEFI ##### LVM ## /boot ##	3
4. ####	3
4.1. systemd### network.service ##### NetworkManager	3
4.2. ### SYSLOG_DAEMON ##	4
5. ##	4
5.1. ## KMS ##### (#####)	4
5.2. systemd##### (/tmp # /var/tmp)	5
5.3. pwutils Replaced by shadow	5
5.4. ## Postfix	5
5.5. GTK+ Applications Output a Fontconfig Warning	5
5.6. GNOME: # Shift # Ctrl+Shift #####"#####	5
5.7. SSH Installation Blocked by SuSEFirewall Service	6

openSUSE

#####

- # 1 # “##”##### openFATE ####openFATE # openSUSE ###/##### (http://
features.opensuse.org)#

###

- # 2 # “##”#####

- # 3 # “##”#####

- # 4 # “####”##### openSUSE#####

- # 5 # “##”#####

1.

###

2.

2.1.

3.1 # "openSUSE ##"

2.2.

#####NetworkManager ##### (##)#####

2.3. The Proprietary NVIDIA Driver Requires Users to Have Access to /dev/nvidia* Devices

Default and new users are no longer added to the `video` group automatically. But the proprietary NVIDIA driver requires users to have access to `/dev/nvidia*` devices.

Symptoms: OpenGL applications report that they cannot operate on `/dev/nvidiactl`. Or GNOME only showing a blank screen with a mouse pointer.

Because the NVIDIA driver does not use the usual kernel methods that allow to install ACLs on the device nodes, users have to be added manually to the `video` group; as `root` call (replace `$USER` with the actual username):

```
usermod -a -G video $USER
```

3.

3.1. openSUSE

- # ##### KDE#GNOME ##### LibreOffice #####
bash
 - #####
 - #####
 - #####
 - KVM ##### KVM#libvirt # QEMU #####
- ## opensuse-manuals_\$LANG ##### /usr/share/doc/manual/opensuse-manuals_
\$LANG #####http://doc.opensuse.org#

3.2. UEFI—#####

Prior to installing openSUSE on a system that boots using UEFI (Unified Extensible Firmware Interface) you are urgently advised to check for any firmware updates the hardware vendor recommends and, if available, to install such an update. A pre-installed Windows 8 is a strong indication that your system boots using UEFI.

```
##### ## UEFI ##### UEFI #####"##"#openSUSE #####  
#####"####"##### UEFI ## openSUSE ##### Linux ##### UEFI #####  
##### (pstore) #####
```

3.3. #####YaST

```
#### UEFI #####
```

YaST does not automatically detect if the machine has secure boot enabled and will therefore install an unsigned bootloader by default. But the unsigned bootloader will not be accepted by the firmware. To have a signed bootloader installed the option "Enable Secure Boot" has to be manually enabled.

3.4. # UEFI #### Live

```
##### UEFI #####
```

```
### Live #####YaST #### UEFI ##### grub2 ##  
# grub2-efi#
```

3.5. openSUSE 12.3

```
##### UEFI #####
```

```
### openSUSE 12.3 #####
```

```
##### openSUSE 12.3 ##### openSUSE #####
```

```
#####
```

3.6. UEFI ##### LVM ## /boot

```
##### UEFI #####
```

```
##### LVM ### (#####)YaST ##### /boot ##### initrd #### (#####) LVM  
##### UEFI #####
```

4.

4.1. systemd### network.service ##### NetworkManager

```
##### YaST ##### (yast2 network) ## NetworkManager##### NetworkManager#####
```

```
#### NetworkManager # /etc/sysconfig/network/config ## NETWORKMANAGER #####  
systemd # network.service #####
```

```
systemctl enable NetworkManager.service
```

```
##### NetworkManager.service # network.service ##### /etc/  
init.d/network #####
```

```
systemctl -p Id show network.service
```

```
#####

### NetworkManager###

• #####

systemctl      is-active network.service && \
systemctl      stop          network.service

• ## NetworkManager ###

systemctl --force          enable NetworkManager.service

• ## NetworkManager ## (#####)

systemctl      start      network.service

### NetworkManager####

• #####

systemctl      is-active network.service && \
systemctl      stop          network.service

• ## NetworkManager ###

systemctl disable NetworkManager.service

• ## /etc/init.d/network ###

systemctl      start      network.service

#####

systemctl -p Id show      network.service

####      NetworkManager      #####      "Id=NetworkManager.service"#####
"Id=network.service" ## /etc/init.d/network #####
```

4.2. ### SYSLOG_DAEMON

```
SYSLOG_DAEMON ##### syslog ##### openSUSE 12.3 ##### syslog ###
#####

#### syslog(8) ####
```

5.

5.1. ## KMS ##### (#####)

```
# openSUSE 11.3 ##### Intel#ATI#NVIDIA ##### KMS (#####)##### KMS ##### KMS
##### (intel#radeon#nouveau)##### nomodeset ### KMS#### Grub2, #####
##### /etc/default/grub ##### GRUB_CMDLINE_LINUX_DEFAULT #####
#####

sudo /usr/sbin/grub2-mkconfig --output=/boot/grub2/grub.cfg
```

```
##### Grub Legacy##### /boot/grub/menu.lst#####
initrd ### modeset=0 ##### (intel, radeon, nouveau)##### KMS#

##### initrd ## DRM #####KMS ##### initrd ##### DRM #####
# KMS### YaST # NO_KMS_IN_INITRD sysconfig ##### yes##### initrd#####

# Intel ##### KMS# X ##### fbdev ## (intel ##### KMS);##### Intel ### "intellegacy" ##
(xorg-x11-driver-video-intel-legacy ###) ##### UMS (#####)##### /etc/
X11/xorg.conf.d/50-device.conf### driver ##### intellegacy#

#### ATI #####X ##### radeonhd##NVIDIA ##### KMS#X ##### nv ###
(nouveau ##### KMS)##### nomodeset ##### ATI # NVIDIA #####
fbdev#
```

5.2. systemd##### (/tmp # /var/tmp)

```
systemd ##### /usr/lib/tmpfiles.d/tmp.conf ##### /usr/lib/
tmpfiles.d/tmp.conf ### /etc/tmpfiles.d/tmp.conf ##### /
usr/lib/tmpfiles.d/tmp.conf #####

###systemd ##### /etc/sysconfig/cron ##### sysconfig ### TMP_DIRS_TO_CLEAR#
```

5.3. pwutils Replaced by shadow

The pwutils package was replaced by the shadow package. The shadow package is mostly a drop-in replacement, but some commandline options have been removed or changed. See `/usr/share/doc/packages/shadow/README.changes-pwutils` for a list of all the changes.

5.4. ## Postfix

```
SuSEconfig.postfix ##### /usr/sbin/config.postfix##### /etc/sysconfig/
postfix # /etc/sysconfig/mail ##### sysconfig ##### root ##### /usr/sbin/
config.postfix#
```

5.5. GTK+ Applications Output a Fontconfig Warning

Because the location of the fontconfig files was changed, Emacs and other applications linked against GTK+ output warning messages when started.

Move the files to the new location:

```
mkdir -p ~/.config/fontconfig
mv ~/.fonts.conf ~/.config/fontconfig/fonts.conf
```

5.6. GNOME: # Shift # Ctrl+Shift #####"#####"

```
# Gnome 3.6 ##### Shift # Ctrl+Shift #####
```

1. ## gnome-tweak-tool#
2. ## gnome-tweak-tool ('##>'#####)#
3. ##### '##'#####

https://bugzilla.gnome.org/show_bug.cgi?id=689839

5.7. SSH Installation Blocked by SuSEFirewall Service

During the second stage of an SSH installation YaST freezes. It is blocked by the SuSEFirewall service because the `SYSTEMCTL_OPTIONS` environment variable is not set properly.

Workaround: When logged in for the second time to start the second stage of the SSH installation, call **yast.ssh** with the `--ignore-dependencies` as follows:

```
SYSTEMCTL_OPTIONS=--ignore-dependencies yast.ssh
```