
openSUSE 12.3

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GNU # 1.2 #
Free Software Foundation; #

fdl.txt.

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openSUSE, #.
#####: http://en.opensuse.org/openSUSE:Release_Notes

#####:

- ##### 1, «#####»: ##### # openFATE, #####
(<http://features.opensuse.org>).

N/A

- ##### 2, «#####»: #####, ##### «# #####».

- ##### 3, «#####»: #####, ##### ##### #####.
- ##### 4, «#####»: #####, ##### # ##### # ##### openSUSE.
- ##### 5, «#####»: ##### ##### ##### ##### # #####
#####.

1.

N/A

2.

2.1. ##### ##

3.1, «##### openSUSE» ##### ##.

2.2. ###

NetworkManager ## #####, ##### #-
WiFi. ### ##### # #### (WiFi) #####.

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

video #####. ##
NVIDIA ##### # ##### /dev/nvidia*.

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

NVIDIA ## ##### ##, #####
ACL ## #####, ##### # ##### video #####; ##
root ##### (\$USER ## ##):

usermod -a -G video \$USER

3.

3.1. ##### openSUSE

- # ##### ##### ##### # #####, # #####-
KDE # Gnome # ##### LibreOffice. #####, #####
(##### # #####) # ##-
bash.
- ##### ##### ##### # #####
#####.

- ##### ## ##### ##### # # ##### ##### #####
#####, ## # #####.
 - ##### ## ##### # ##### ##### # ##### #####
#####.
 - ##### # KVM ##### # ##### # #####
KVM, libvirt # QEMU.
- ##### # /usr/share/doc/manual/opensuse-manuals_ru #####
opensuse-manuals_ru ## ## http://doc.opensuse.org.

3.2. UEFI — Unified Extensible Firmware Interface

openSUSE ## #####, ##### # ##### UEFI (Unified Extensible Firmware Interface), ## #####

Windows 8 #####
UEFI.

#####: ##### UEFI #####
UEFI. ## #####
«#####» ##### # #####. openSUSE #####

UEFI # ##### openSUSE. ##### Linux, ##
UEFI ## # # (pstore), ##

#####.

3.3. ##### # YaST

UEFI # #####.

YaST ## #####

#####

3.4. ##### # Live-##- ##### # UEFI

UEFI.

live-##### YaST ## ##### UEFI # #####

grub2 ## grub2-efi #####.

3.5. # ##### openSUSE 12.3 ##### ## ##### # #####-

UEFI.

```
### ##### ##### shim # ##### openSUSE 12.3 ##### ##### ##### #####.

##### ##### # ##### openSUSE 12.3 ## ##### # ##### #####
# ##### #, ## ##### #, #####
##### openSUSE # ##### #, ##### shim.

##### ##### ##### ##### ##### ##### #####.
```

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

```
### ##### ##### # ##### UEFI.

# ##### # ##### ##### LVM (### ##### # #-  
#####) YaST ## ##### /boot. ### #, ##  
# initrd # (#, ) LVM, #####.  
### ##### UEFI #####.
```

4.

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

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

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

```
systemctl enable NetworkManager.service
```

```
##### ##### # ##### network.service, #-  
##### NetworkManager.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

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

4.2. ##### SYSLOG_DAEMON

```
##### SYSLOG_DAEMON #####. ##### # #####
syslog. ##### # openSUSE 12.3, ##### syslog #####
#####, #####.

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

5.

5.1. ##### # KMS (Kernel Mode Setting)

```
# openSUSE 11.3 ## ##### # KMS (Kernel Mode Setting) ## ##### Intel, ATI # NVIDIA,
##### # #####. ##### # ##### # ##### KMS
##### (intel, radeon, nouveau), ##### KMS, ##### nomodeset # #####
##### # Grub 2, #####, ##### # #####
##### # ##### GRUB_CMDLINE_LINUX_DEFAULT # ##### /etc/default/
grub ## ##### root # #####

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

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

# #####, ##### DRM # initrd ##### # #####
##### # KMS, ##### # initrd. #####
```

```
#### ##### sysconfig NO_KMS_IN_INITRD # yes ##### YaST, ### ##### initrd #####.
#####

## ##### Intel ### KMS Xserver ##### fbdev (##### intel #####-
## ##### KMS); # ##### ##### # Intel #####
##### «intellegacy» (##### xorg-x11-driver-video-intel-legacy), ### #####-
##### UMS (User Mode Setting). ## # ##### # /etc/X11/
xorg.conf.d/50-device.conf # ##### # intellegacy.

## ##### ATI ##### radeonhd. ## ##### NVIDIA
### KMS ##### nv (##### nouveau ##### KMS). #####
##### # ATI # NVIDIA ### #####
nomodeset ##### 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 ##### sysconfig # /etc/sysconfig/cron,
##### # 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. #### #
##### sysconfig # /etc/sysconfig/postfix bkb /etc/sysconfig/mail, ##
##### /usr/sbin/config.postfix ## ##### root.
```

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 ('Activities'>'advanced settings').
 3. # ##### 'Typing', # ##### #####.
- ### ##### # ##### 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
```