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# openSUSE 12.3 ####

Version: 12.3.10 (2013-06-10)

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

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##### 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. NVIDIA ##### /dev/nvidia\* ##

```
##### video ### NVIDIA ##### /dev/nvidia* ###
```

```
###OpenGL ##### /dev/nvidiactl## GNOME #####
```

```
## NVIDIA ##### video #; ## root ##### (##  
$USER #####)#
```

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

## 2.4. Non-existent Floppy Drive Enabled in BIOS Causes Hang

If a floppy drive support is enabled in the BIOS, but does not actually exist in the machine, it can cause hangs during the installation while YaST is searching for partitions.

To avoid this issue, disable floppy drive support in the BIOS.

## 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—#####

```
## openSUSE ##### UEFI (#####) #####  
##### Windows 8 ##### UEFI #####
```

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

### 3.3. #####YaST #####

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

#####YaST ##### UEFI #####
# "#####" ###
```

### 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. systemd: Persistent Journal across Reboots

On openSUSE 12.3, the systemd journal is not persistent across reboots. If you want to enable journal persistence, either create the `/var/log/journal` directory (as root) or install the `systemd-logger` package. Installing `systemd-logger` package will signal a conflict with other syslog implementations, and thus ensuring that the system uses only the systemd journal, if installed.

If your system has been upgraded from openSUSE 12.2 (where `/var/log/journal` was created by default) and if you want to disable journal persistence, just remove the `/var/log/journal` directory.

## 5.4. pwutils # shadow ###

```

pwutils #### shadow #####shadow ##### /usr/
share/doc/packages/shadow/README.changes-pwutils#

```

## 5.5. ## Postfix

```

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

```

## 5.6. GTK+ ##### Fontconfig ##

```

## fontconfig #####Emacs ##### GTK+ #####

#####

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

```

## 5.7. 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](https://bugzilla.gnome.org/show_bug.cgi?id=689839) #####

## 5.8. SSH ### SuSEFirewall ###

# SSH #####YaST ##### SYSTEMCTL\_OPTIONS #####SuSEFirewall #####

##### SSH ##### --ignore-dependencies ## **yast.ssh** #####

SYSTEMCTL\_OPTIONS=--ignore-dependencies yast.ssh