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# openSUSE 12.3 ####

Version: 12.3.6 (2013-03-13)

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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 ##### (##)#####
```

## 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. ## Postfix

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

## 5.4. 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 #####
```