
openSUSE 13.1

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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 ##”#

3.

3.1. openSUSE

```
# ##### KDE # Gnome ##### LibreOffice #####
## bash #####

##### opensuse-startup_${LANG} ##### /usr/share/doc/manual/opensuse-
manuals_${LANG} ##### http://doc.opensuse.org#
```

3.2. #### YaST

YaST

- yast2-autofs
- yast2-dbus-client
- yast2-dirinstall
- yast2-fingerprint-reader
- yast2-irda
- yast2-mouse
- yast2-phone-services
- yast2-power-management
- yast2-profile-manager
- yast2-sshd

- yast2-tv

#####

3.3. UEFI—#####

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

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

3.4. UEFI#GPT # MS-DOS

```
# EFI/UEFI #####GPT#GUID Partition Table##### GUID#128#####32##
#####
```

```
###UEFI ##### MBR#MS-DOS##### Linux #####ELILO # GRUB2##### GUID #####
##### GUID #####
```

```
#####garbage collector#####entries#####entries#####
#####entries#####
```

```
##### MBR ##### GPT #####
```

3.5. ### Secure Boot

```
##### UEFI Secure Boot #####
```

```
# openSUSE 12.3 ##### shim ##### Secure Boot #####
# BIOS ##### BIOS ##### openSUSE #####http://en.opensuse.org/
openSUSE:UEFI##### openSUSE ###
```

3.6. Adobe Reader (acroread) ##### PDF

```
## Adobe ##### Adobe Reader (acroread) ##### openSUSE #####acroread #####
```

openSUSE includes various PDF viewing tools like Okular, Evince, and poppler-tools. These tools are actively maintained and get security fixes from openSUSE and their upstream authors.

For more information, see http://en.opensuse.org/Adobe_Reader.

4.

4.1. ## Zypper (dup) ##### /etc/fstab

```
### zypper dup (## YaST #####)#####
```

```
tmpfs    /dev/shm
devpts   /dev/pts
sysfs    /sys sysfs
proc     /proc proc
```

```
## Gnome ##### Gnome #####"grantpt failed: Operation not
permitted"##### systemd ##### /etc/fstab ####
```

4.2. ## SYSLOG_DAEMON

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

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

4.3. Duplicated Network Interfaces

```
### systemd #####YaST #####
```

```
##### YaST ##### /etc/
sysconfig/network ### YaST #####
```

```
#####
PredictableNetworkInterfaceNames/# http://www.freedesktop.org/wiki/Software/systemd/
```

5.

5.1. ## KMS (Kernel Mode Setting)

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

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

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

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

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

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

5.2. ## Nouveau

```
##### NVIDIA ##### nouveau #####
nouveau #####
```

```
##### grub ####"##"## 'e' ##### 'Linux'## 'linuxefi'#####
brokenmodules=nouveau ##### F10 ##### nouveau ##### /
etc/modprobe.d/50-blacklist.conf ##### nouveau ###
```

5.3. Samba Version 4.1

```
openSUSE 13.1 #### Samba 4.1 #### Active Directory ##### MIT
Kerberos ####
```

5.4. ## Postfix

```
# openSUSE 12.3 ###SuSEconfig.postfix ### /usr/sbin/config.postfix##### /
etc/sysconfig/postfix # /etc/sysconfig/mail ##### sysconfig ##### root ##### /
usr/sbin/config.postfix#
```

5.5. xinetd#####

```
xinetd ##### /var/log/xinetd.log ##### xinetd #####
#####
```

```
##### /etc/xinetd.conf ##### xinetd.log ### logrotate ##### /usr/
share/doc/packages/xinetd/logrotate ###
```

5.6. Apache 2.4

```
Apache 2.4 ##### http://httpd.apache.org/docs/2.4/upgrading.html#
```

5.7. tomcat#####

```
tomcat ##### /var/log/tomcat/catalina.out##### tomcat.service
(tomcat-jsvc.service) #####
```

5.8. Darktable#####

```
##### openSUSE 13.1##### ~/.cache/darktable/mipmaps#
```

5.9. Locate### findutils-locate # mlocate

```
## findutils-locate ### mlocate ##### mlocate ## findutils-locate ##### 24 #####
#####permission handling#####
```

In case you encounter a "Permission denied" message shortly after installing **mlocate**, run

```
/etc/cron.daily/mlocate.cron
```

as root once.

5.10. KDE

```
##### Bluez 5 (#####) ##### GNOME #####
## KDE ##### Bluez 4#
```

```
## openSUSE KDE ##### Bluedevil #####
##
```

```
#### Bluedevil # Bluez 5 ##### KDE #####
```

5.11. AppArmor

AppArmor is enabled by default. This means more security, but might prevent services from working, if you run them in unexpected ways. If you encounter strange permission problems, try to switch the AppArmor profile for the affected service to complain mode with:

```
aa-complain /usr/bin/$your_service
```

Complain mode means: allow everything, and log things that the profile would not allow.

Even if it helps report it as a bug! We want to fix AppArmor profiles to cover also corner cases.

5.12. Skype

```
## Skype 4.2 ##Linux ##### PulseAudio 4.0 ##### Skype ##### skype #
```

```
PULSE_LATENCY_MSEC=60 skype
```

```
##### http://arunraghavan.net/2013/08/pulseaudio-4-0-and-skype/#
```

5.13. AutoYaST

If the autoyast profile contains entries in an <add-on> section there is a bug triggered that prevents information in the profile from being transferred from the first stage into the second stage. Therefore, in this case all second stage configuration steps are skipped, which normally leads to more or less completely unusable installations.

As a temporary workaround, avoid using <add-on> sections in profiles with AutoYaST in openSUSE 13.1.