
##.##

#

12.2.6 (2012-08-02)

Novell, Inc.

GNU #### #.##

fdl.txt

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

#

- Section 1, “#####” # # ##### openFATE
#####(http://features.opensuse.org) #>).

#####

- Section 2, “#####” # ##### #
- Section 3, “#####”# ##### #
- Section 4, “#####”# ##### #
- Section 5, “#####”# ##### #

1.

#####

2.

2.1.

“#####” #####

3.

3.1.

- #####
KDE ### Gnome ##### LibreOffice # #####

bash

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

- #####
#
- #####
#
- #####
#
- ##### KVM #####
KVM, libvirt ### QEMU

3.2. ##### KDM

```
CHECKIT ##### ##.#
```

```
##### SUSE KDM ##### #
```

```
##### ## DISPLAYMANAGER_KDM_THEME ##### /  
etc/sysconfig/displaymanager ##### KDM ##### #
```

```
DISPLAYMANAGER_KDM_THEME=" "
```

4.

4.1. sysvinit

```
##### systemd # ##### ##.#  
##### sysvinit ## fallback #####  
##### sysvini#####  
##### a sysvini###se system#####  
##### #s.
```

4.2. #### ##### losetup ##### cryptoloop

```
cryptoloop ##### dm-crypt #####  
##### # #### (#. ##### /etc/fstab) ### losetup #####  
cryptoloop # ##### fstab ##### cryptoloop #####  
##### # #####  
dm-crypt (/etc/crypttab) # ##### http://  
en.opensuse.org/Encrypted_Fileystems #
```

4.3. ##### systemd

```
##### systemd #####  
##### noauto ##### /etc/fstab #####  
##### nofail # #####
```

```
/dev/mapper/cr_sda3 /home ext4 acl,user_xattr,noauto 0 2
```

```
####
```

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

```
/dev/mapper/cr_sda3 /home ext4 acl,user_xattr,nofail 0 2
```

5.

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

```
##### ##. ##### KMS (Kernel Mode Setting) ##### Intel, ATI ##  
NVIDIA ##### # #####  
##### KMS (intel, radeon, nouveau) ### KMS ##### nomodeset #####  
kernel boot # ##### kernel #####  
/boot/grub/menu.lst # ##### (intel, radeon,  
nouveau) ##### modeset=0 ##### initrd #. KMS ##### #
```

In the rare cases when loading the DRM module from `initrd` is a general problem and unrelated to KMS, it is even possible to disable loading of the DRM module in `initrd` completely. For this set the `NO_KMS_IN_INITRD` sysconfig variable to `yes` via YaST, which then recreates `initrd` afterwards. Reboot your machine.

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

```
#### ATI ##### GPUs ##### radeonhd # #### NVIDIA ##### KMS  
##### nv ##### (##### nouveau ##### KMS) # #### ATI ###  
NVIDIA GPUs ##### fbdev ##### nomodeset  
kernel boot #
```

5.2. ##### sysvinit

```
##### ##### systemd # #####  
##### sysvinit ##### F5 ##### # #####  
##### sysvinit ##### Section 4.1, "sysvinit ####"
```

5.3. systemd #

```
systemctl ##### "standard" ##### (##### http://www.freedesktop.org/wiki/Software/systemd/Incompatibilities) #
```

```
##### #
```

```
cd /etc/init.d  
./apache2 <your_parameters>
```

5.4. systemd

```
##### systemd ##### halt -p # shutdown -h now #####  
##### #
```

```
##### # halt ##### #
```


##.#

5.5. systemd # ##### tmpfs: /run, /var/run, /media

```
systemd ##### tmpfs # /run, /  
var/run, /var/lock ### /media ##### # ##### http://lwn.net/  
Articles/436012/.
```

```
##### # ##### /run, /var/run ###
```

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

```
systemd ##### tmpfiles.d ##### /lib/  
systemd/system/systemd-tmpfiles-clean.timer # #####  
tmpfiles.d #
```

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

```
d /tmp 1777 root root 10d  
d /var/tmp 1777 root root 30d
```

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

5.7. ##### /etc/adjtime

```
##### /etc/adjtime ##### BIOS ##### UTC #####  
##### (##### HWCLOCK ##### /etc/sysconfig/clock) #
```

```
##### /etc/adjtime ##### drift ##### (#####  
##### ntpdate #####ntpd #####) ##### USE_ADJUST ## "no" ##### /etc/  
sysconfig/clock #
```