
openUSE 12.2 Release Notes

#####

12.2.9 (2012-10-22)

© 2012 ##### Novelty, Inc.

#####

#####

#####

• #####: "I, #####, openUSE" #####
(http://forums.openuse.org).

#####

• #####: "I, #####, openUSE" #####

• #####: "I, #####, openUSE" #####

• #####: "I, #####, openUSE" #####

• #####: "I, #####, openUSE" #####

1.

#####

2.

2.1.

For detailed installation information, see the "openUSE Documentation" referenced below.

3.

3.1.

• #####
#####

• #####

• #####

• #####

- `libvirt QEMU` `KVM` `##### KVM #####` `##### KVM #####` `##### KVM #####`

3.2. Pre-installation Memory Test Incorrectly Identifies Good Memory as Bad

The pre-installation memory test (`memtest`) on the openSUSE 12.2 media got miscompiled. It reports errors in test 7 on good RAM modules. Use the openSUSE 12.1 media if you need to run `memtest`.

4.

4.1. Remote Update via "zypper qm"

When upgrading from openSUSE 12.1 (or older), openSUSE connections will be closed when the new openSUSE package is upgraded. If you are upgrading with "zypper qm" over SSH, run "zypper qm" inside a resumable terminal multiplexer (e.g., "screen" or "tmux") so that you can re-connect easily, or at least immune to connection loss (e.g., via "nophd").

4.2.

#####

4.3. ##### lostq ##### crqtoop

crqtoop #####
etclstap) and lostq ##### crqtoop. #####
crqtoop #####
qm-crqtoop (etclstap) #####
Euclyd_Filesystems #####

4.4.

nosato etclstap #####
#####

gdev\mapber\cr_sga3 \home ext4 scl#user_xatfr#nosato 0 2
###

gdev\mapber\cr_sga3 \home ext4 scl#user_xatfr#nofail 0 2

5.

5.1. ##### KMS (#####)

With openSUSE 11.3 we switched to KMS (Kernel Mode Setting) for Intel, ATI and NVIDIA graphics, which now is our default. If you encounter problems with the KMS driver support (intel, radeon, nouveau),

disable KMS by adding nomodeset to the kernel boot command line. To set this permanently using Grub 2, the default boot loader, add it to the GRUB_CMDLINE_LINUX_DEFAULT kernel default load options line in your `/etc/default/grub` text file as root and running the terminal command

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

for the changes to take effect. Else, for Grub Legacy, add it to the kernel command line in `/boot/grub/menu.lst`, also done as root. This option makes sure the appropriate kernel module (intel, radeon, nouveau) is loaded with `modest=0` in `initrd`, i.e. KMS is disabled.

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.

```
### ##### KMS ### ##### X ##### fdbdev ##### intel ###
### KMS) ##### # GPUs ##### "intel" intellegacy" (##### xorg-x11-driver-
video-o-intel-legacy) ##### UMS (#####)
##### /etc/X11/xorg.conf.d/50-device.conf #####
intellegacy.
```

```
### ATI # GPUs ##### radeonhd. ##### NVIDIA ### KMS nv
(##### nouveau KMS ###). ##### ATI # NVIDIA GPUs ##### fdbdev#
##### nomodeset.
```

5.2. ##### sysvinit

```
##### systemd. #####
##### sysvinit ##### F2 #####
##### "4.2," sysvinit #####.
```

5.3. systemd:

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

```
#####
```

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

5.4. systemd:

```
##### systemd# ##### -p #####
#####
##### part #####
```

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

```
systemd ##### tmpfs: /run
/var/run /var/lock and /media ##### http://www.openSUSE.org/Articles/43012.
```

[illegible]

(qmt\lsv\ bns qmt) ##### :bmətyz .ə.2

```

TMP DIRS TO CLEAR.
#####:##### ## ##### gñnong ## \etc\sysconfig\cron such as
b \var\tmp\1777 root root 300
b \tmp\1777 root root 100
tmp.conf:
##### system ##### tmp ##### \usr\lib\cpliles\b\
system-b-tmpiles-clean.timer.#####cpliles.b.manpage.
system-b-tmpiles-clean.timer.#####cpliles.b.manpage.
system-b-tmpiles-clean.timer.#####cpliles.b.manpage.

```

5.7. Auto-mounting USB Media

```
KDE still uses uidirs version 1 and mounts USB media under /media
Gnome and Xfce now use uidirs 2 to automatically mount USB media under /run/media/$USER.
```

2.8. Specifying Partitions for Loopback Devices

minor numbers for each device.
blockdev --rereadptb) Using the `max_part` parameter causes each loop device to allocate that many dynamically allocated minor numbers for each device (including adding or removing them on the fly with `and` the second is with the `-p` parameter to **losetup**. They behave slightly differently since `-p` will With Kernel 3.4 there are two ways to have partitions for loopback devices. The first is with `max_part`

the allocated minor numbers with the first device.

The solution is either to use `max_loop` or to also use `loop`.

```
5.9.#####\etc\time
```

```

\etc\yasconf\clock.
##### # ntpdate #####(#####)#####USE_ADJUST#####"#"#####
#####\etc\adjtime#####(#####)#####
#####\etc\adjtime#####\etc\yasconf\clock).
##### # BIOS #####
#####

```

Archives

GNU tar now defaults to `--format=posix` and create POSIX-compliant archives with PAX extended headers. Check whether your scripts and applications are compatible with this format.

The former behavior (and upstream default) can be restored by setting the environment:

'--no-jump=jump' = TAR_OPTIONS

10

TAR_OPTIONS='--pax-option=delete=ac*time*'