Tearing with nvidia free/nouveau driver - Support / Graphics & Display - Manjaro Linux Forum

Hi,

this is my first post here, so I am trying to do it right.

Introstory: Please correct me if I forgot something. I´ve got a nvidia 340xx and the update killed my non-free driven manjaro. After three days of tinkering I installed the newest KDE Manjaro with free drivers now.

Problem: I experience constant tearing and would like to know if I could do something a against it.

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 System:
 Kernel: 5.9.16-1-MANJARO x86_64 bits: 64 compiler: gcc v: 10.2.0
 parameters: BOOT_IMAGE=/boot/vmlinuz-5.9-x86_64
 root=UUID=76df27f9-68a5-4e17-9d4e-34c050b610db ro quiet apparmor=1
 security=apparmor resume=UUID=50da7c9d-0642-4098-9062-047fc4a3307a
 udev.log_priority=3
 Desktop: KDE Plasma 5.20.4 tk: Qt 5.15.2 wm: kwin_x11 dm: SDDM
 Distro: Manjaro Linux
Machine:
 Type: Laptop System: Hewlett-Packard product: HP EliteBook 8540w v: N/A
 serial: <filter> Chassis: type: 10 serial: <filter>
 Mobo: Hewlett-Packard model: 1521 v: KBC Version 32.2E serial: <filter>
 BIOS: Hewlett-Packard v: 68CVD Ver. F.07 date: 03/26/2010
CPU:
 Info: Quad Core model: Intel Core i7 Q 720 bits: 64 type: MT MCP
 arch: Nehalem family: 6 model-id: 1E (30) stepping: 5 microcode: A
 L2 cache: 6 MiB
 flags: lm nx pae sse sse2 sse3 sse4_1 sse4_2 ssse3 bogomips: 25545
 Speed: 931 MHz min/max: 933/1600 MHz boost: enabled Core speeds (MHz):
 1: 931 2: 931 3: 931 4: 931 5: 931 6: 931 7: 931 8: 931
 Vulnerabilities: Type: itlb_multihit status: KVM: VMX unsupported
 Type: l1tf mitigation: PTE Inversion
 Type: mds
 status: Vulnerable: Clear CPU buffers attempted, no microcode; SMT vulnerable
 Type: meltdown mitigation: PTI
 Type: spec_store_bypass
 mitigation: Speculative Store Bypass disabled via prctl and seccomp
 Type: spectre_v1
 mitigation: usercopy/swapgs barriers and __user pointer sanitization
 Type: spectre_v2 mitigation: Full generic retpoline, IBPB: conditional,
 IBRS_FW, STIBP: conditional, RSB filling
 Type: srbds status: Not affected
 Type: tsx_async_abort status: Not affected
Graphics:
 Device-1: NVIDIA GT215GLM [Quadro FX 1800M] vendor: Hewlett-Packard
 driver: nouveau v: kernel bus ID: 01:00.0 chip ID: 10de:0cbc
 Device-2: Chicony HP Webcam [2 MP Macro] type: USB driver: uvcvideo
 bus ID: 1-1.5:5 chip ID: 04f2:b15e
 Display: x11 server: X.Org 1.20.10 compositor: kwin_x11 driver: nouveau
 unloaded: modesetting alternate: fbdev,nv,vesa display ID: :0 screens: 1
 Screen-1: 0 s-res: 1920x1080 s-dpi: 96 s-size: 508x285mm (20.0x11.2")
 s-diag: 582mm (22.9")
 Monitor-1: LVDS-1 res: 1920x1080 hz: 60 dpi: 142 size: 344x193mm (13.5x7.6")
 diag: 394mm (15.5")
 OpenGL: renderer: NVA3 v: 3.3 Mesa 20.3.1 direct render: Yes
Audio:
 Device-1: Intel 5 Series/3400 Series High Definition Audio
 vendor: Hewlett-Packard driver: snd_hda_intel v: kernel bus ID: 00:1b.0
 chip ID: 8086:3b56
```

Device-2: NVIDIA High Definition Audio vendor: Hewlett-Packard
driver: snd_hda_intel v: kernel bus ID: 01:00.1 chip ID: 10de:0be4
Sound Server: ALSA v: k5.9.16-1-MANJARO
Network:
Device-1: Intel 82577LM Gigabit Network vendor: Hewlett-Packard
driver: e1000e v: kernel port: 6000 bus ID: 00:19.0 chip ID: 8086:10ea
IF: enp0s25 state: down mac: <filter>
Device-2: Intel Centrino Ultimate-N 6300 driver: iwlwifi v: kernel
port: 5000 bus ID: 44:00.0 chip ID: 8086:4238
IF: wlo1 state: up mac: <filter>
Drives:
Local Storage: total: 465.76 GiB used: 8.26 GiB (1.8%)
SMART Message: Unable to run smartctl. Root privileges required.
ID-1: /dev/sda maj-min: 8:0 vendor: Seagate model: ST9500420AS
size: 465.76 GiB block size: physical: 512 B logical: 512 B speed: 3.0 Gb/s
serial: <filter> rev: HPM1
Partition:
ID-1: / raw size: 457.45 GiB size: 449.27 GiB (98.21%) used: 8.26 GiB (1.8%)
fs: ext4 dev: /dev/sda1 maj-min: 8:1
Swap:
Kernel: swappiness: 60 (default) cache pressure: 100 (default)
ID-1: swap-1 type: partition size: 8.31 GiB used: 0 KiB (0.0%) priority: -2
dev: /dev/sda2 maj-min: 8:2
Sensors:
System Temperatures: cpu: 42.0 C mobo: 0.0 C gpu: nouveau temp: 47.0 C
Fan Speeds (RPM): N/A
Info:
Processes: 217 Uptime: 15m wakeups: 2 Memory: 3.78 GiB
used: 1.29 GiB (34.2%) Init: systemd v: 247 Compilers: gcc: N/A Packages:
pacman: 1249 lib: 397 flatpak: 0 Shell: Bash v: 5.1.0 running in: konsole
inxi: 3.2.01

Thank you for the help.

- **created**

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- **last reply**

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Thank you very much for your informative answer. Disabling desktop effects didn´t work. As a non-techie with spare time resources, I will not try this on my own. I know that there would be many people who probably need a working solution and benefit from my possible success, but I spend the last three days haggling with the current drop of nvidia 340xx drivers. I even had to install manjaro anew and will try out phillims solution posted here:

or downgrade to an older kernel,
or install a different Distro like Kubuntu. (Even considering this, is hurting myself as much as it is probably hurting any

reader here 😥)

Just a thought:
Is this [AUR (en) - nvidia-340xx 2](#) the packed Version of this?

As a non-techie, I ask my self why phillims proposal of adding the 340x drivers isn´t implemented as a simple one-cklick-solution somewhere. I think that would benefit many people.

Try if changing in System Settings → Display to XRender makes a difference.
Restarting system may be necessary for the changes to take real effect.

You can also change "tearing prevention (VSync)" to automatic.

Thanks. It did help a little, but I.e. stellaris freezes when loading the game by 75%.

closed on Feb 3

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