

## Packages - Bug #3539

### [linux-libre]: 6.3.3 fails to load modules with kmod 31

2023-10-02 07:38 PM - clarintux

<b>Status:</b> in progress	<b>% Done:</b> 66%
<b>Priority:</b> bug	
<b>Assignee:</b> bill-auger	
<b>Category:</b>	
<b>Description</b>	
Hi! After upgrading to kmod 31-1, the Linux-libre kernel is unable to load modules:  [FAILED] Failed to start CLI Netfilter Manager. [FAILED] Failed to start Cryptography Setup for home. [FAILED] Dependency failed for Local Encrypted Volumes. [ * ] A start job is running for /dev/disk/by-uuid/xxxxxxxxxxxxxxxxxxxx	
This problem does NOT occur with:  - the Linux-libre-lts kernel and/or... - the package kmod 30-3 (downgrading kmod solves the problem)	
Thanks and greetings!	
<b>Subtasks:</b>	
Bug # 3520: [linux-libre]: mkinitcpio fails to build /boot/vmlinuz file on ARM systems	<b>in progress</b>
Bug # 3541: Broken EFI install due unsupported filesystem on the kernel	<b>fixed</b>
Bug # 3555: armv7h kernels fails to install properly	<b>fixed</b>

## History

### #1 - 2023-10-02 08:42 PM - bill-auger

- Assignee set to Megver83

could you try other kernels to verify which have the problem - it is likely that some will and some may not - i suggest trying linux-libre-lts and linux-libre-vanilla - if all of those exhibit the same problem, then it is probably not related to the kernels, but maybe some other program or modules or the initrd, or something else

### #2 - 2023-10-03 09:10 AM - clarintux

Yes...

- linux-libre-lts (5.15.88) works fine!
- linux-libre-vanilla (6.5.2) works fine!
- linux-libre (6.3.3) not: it works only with the old kmod (30-3).

### #3 - 2023-10-05 06:20 PM - bdunahu

At least two others have noticed the same problem with the linux-libre kernel and kmod-31-1:

<https://labs.parabola.nu/boards/5/topics/1595>

### #4 - 2023-10-11 05:15 PM - pavelsayekat

The kmod bug (unconfirmed) was reported on archlinux also, <https://bugs.archlinux.org/task/79837?project=1&string=kmod>

And I am also experiencing the same kind of problem on my Desktop with Nvidia GPU, the system loses network, sound and proper graphics but on my Thinkpad-x230 Laptop, kmod-31-1 has no issue with linux-libre-6.3.3-gnu-1.

```
# systemctl list-units --state=failed
UNIT                                LOAD    ACTIVE SUB    DESCRIPTION
● dhclient@enp3s0.service           loaded failed failed dhclient on enp3s0
● systemd-modules-load.service     loaded failed failed Load Kernel Modules
● ufw.service                       loaded failed failed CLI Netfilter Manager
● wol@enp3s0.service               loaded failed failed Wake-on-LAN for enp3s0
```

LOAD = Reflects whether the unit definition was properly loaded.  
ACTIVE = The high-level unit activation state, i.e. generalization of SUB.  
SUB = The low-level unit activation state, values depend on unit type.  
4 loaded units listed.

```
# systemctl status systemd-modules-load.service
* systemd-modules-load.service - Load Kernel Modules
   Loaded: loaded (/usr/lib/systemd/system/systemd-modules-load.service; static)
   Active: failed (Result: exit-code) since Wed 2023-10-11 19:21:57 +06; 6min ago
     Docs: man:systemd-modules-load.service(8)
           man:modules-load.d(5)
   Process: 194 ExecStart=/usr/lib/systemd/systemd/systemd-modules-load (code=exited, status=1/FAILURE)
  Main PID: 194 (code=exited, status=1/FAILURE)
     CPU: 32ms
```

```
Oct 11 19:21:57 sky systemd-modules-load[194]: Failed to insert module 'crypto_user': No such file or directory
Oct 11 19:21:57 sky systemd-modules-load[194]: Failed to insert module 'dm_multipath': No such file or directory
Oct 11 19:21:57 sky systemd-modules-load[194]: Failed to insert module 'nvidia_uvm': Cannot allocate memory
Oct 11 19:21:57 sky systemd[1]: systemd-modules-load.service: Main process exited, code=exited, status=1/FAILURE
Oct 11 19:21:57 sky systemd[1]: systemd-modules-load.service: Failed with result 'exit-code'.
Oct 11 19:21:57 sky systemd[1]: Failed to start Load Kernel Modules.
Notice: journal has been rotated since unit was started, output may be incomplete.
```

```
# modprobe --dry-run --verbose --ignore-install crypto_user
insmod /lib/modules/6.3.3-gnu-1/kernel/crypto/crypto_user.ko.zst
# ls /lib/modules/6.3.3-gnu-1/kernel/crypto/crypto_user.ko.zst
/lib/modules/6.3.3-gnu-1/kernel/crypto/crypto_user.ko.zst
```

```
# modprobe --dry-run --verbose --ignore-install dm_multipath
insmod /lib/modules/6.3.3-gnu-1/kernel/drivers/md/dm-mod.ko.zst
insmod /lib/modules/6.3.3-gnu-1/kernel/drivers/md/dm-multipath.ko.zst
# ls /lib/modules/6.3.3-gnu-1/kernel/drivers/md/dm-mod.ko.zst
/lib/modules/6.3.3-gnu-1/kernel/drivers/md/dm-mod.ko.zst
# ls /lib/modules/6.3.3-gnu-1/kernel/drivers/md/dm-multipath.ko.zst
/lib/modules/6.3.3-gnu-1/kernel/drivers/md/dm-multipath.ko.zst
```

```
# modprobe --dry-run --verbose --ignore-install nvidia_uvm
insmod /lib/modules/6.3.3-gnu-1/updates/dkms/nvidia.ko.zst
insmod /lib/modules/6.3.3-gnu-1/updates/dkms/nvidia-uvm.ko.zst
# ls /lib/modules/6.3.3-gnu-1/updates/dkms/nvidia.ko.zst
/lib/modules/6.3.3-gnu-1/updates/dkms/nvidia.ko.zst
# ls /lib/modules/6.3.3-gnu-1/updates/dkms/nvidia-uvm.ko.zst
/lib/modules/6.3.3-gnu-1/updates/dkms/nvidia-uvm.ko.zst
# insmod /lib/modules/6.3.3-gnu-1/updates/dkms/nvidia.ko.zst
insmod: ERROR: could not insert module /lib/modules/6.3.3-gnu-1/updates/dkms/nvidia.ko.zst: Cannot allocate memory
# insmod /lib/modules/6.3.3-gnu-1/updates/dkms/nvidia-uvm.ko.zst
insmod: ERROR: could not insert module /lib/modules/6.3.3-gnu-1/updates/dkms/nvidia-uvm.ko.zst: Cannot allocate memory
```

```
# uname -r
6.3.3-gnu-1
# systemctl status systemd-modules-load.service
* systemd-modules-load.service - Load Kernel Modules
   Loaded: loaded (/usr/lib/systemd/system/systemd-modules-load.service; static)
   Active: failed (Result: exit-code) since Wed 2023-10-11 19:55:48 +06; 1min 42s ago
     Docs: man:systemd-modules-load.service(8)
           man:modules-load.d(5)
   Process: 642 ExecStart=/usr/lib/systemd/systemd/systemd-modules-load (code=exited, status=1/FAILURE)
  Main PID: 642 (code=exited, status=1/FAILURE)
     CPU: 38ms
```

```
Oct 11 19:55:48 sky systemd[1]: Starting Load Kernel Modules...
Oct 11 19:55:48 sky systemd-modules-load[642]: Failed to insert module 'crypto_user': No such file or directory
Oct 11 19:55:48 sky systemd-modules-load[642]: Failed to insert module 'dm_multipath': No such file or directory
Oct 11 19:55:48 sky systemd-modules-load[642]: Failed to insert module 'nvidia_uvm': Cannot allocate memory
Oct 11 19:55:48 sky systemd[1]: systemd-modules-load.service: Main process exited, code=exited, status=1/FAILURE
Oct 11 19:55:48 sky systemd[1]: systemd-modules-load.service: Failed with result 'exit-code'.
Oct 11 19:55:48 sky systemd[1]: Failed to start Load Kernel Modules.
```

```

# lspci -nnk
00:00.0 Host bridge [0600]: Intel Corporation Xeon E3-1200 v6/7th Gen Core Processor Host Bridge/DRAM Register
s [8086:590f] (rev 06)
    Subsystem: ASUSTeK Computer Inc. Xeon E3-1200 v6/7th Gen Core Processor Host Bridge/DRAM Registers [1043:8
694]
00:01.0 PCI bridge [0604]: Intel Corporation 6th-10th Gen Core Processor PCIe Controller (x16) [8086:1901] (re
v 06)
    Subsystem: ASUSTeK Computer Inc. 6th-10th Gen Core Processor PCIe Controller (x16) [1043:8694]
    Kernel driver in use: pcieport
00:14.0 USB controller [0c03]: Intel Corporation 100 Series/C230 Series Chipset Family USB 3.0 xHCI Controller
 [8086:a12f] (rev 31)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family USB 3.0 xHCI Controller [1043:8694]
    Kernel driver in use: xhci_hcd
    Kernel modules: xhci_pci
00:16.0 Communication controller [0780]: Intel Corporation 100 Series/C230 Series Chipset Family MEI Controlle
r #1 [8086:a13a] (rev 31)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family MEI Controller [1043:8694]
    Kernel modules: mei_me
00:17.0 SATA controller [0106]: Intel Corporation Q170/Q150/B150/H170/H110/Z170/CM236 Chipset SATA Controller
 [AHCI Mode] [8086:a102] (rev 31)
    Subsystem: ASUSTeK Computer Inc. Q170/Q150/B150/H170/H110/Z170/CM236 Chipset SATA Controller [AHCI Mode] [
1043:8694]
    Kernel driver in use: ahci
00:1c.0 PCI bridge [0604]: Intel Corporation 100 Series/C230 Series Chipset Family PCI Express Root Port #5 [8
086:a114] (rev f1)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family PCI Express Root Port [1043:8694]
    Kernel driver in use: pcieport
00:1c.7 PCI bridge [0604]: Intel Corporation 100 Series/C230 Series Chipset Family PCI Express Root Port #8 [8
086:a117] (rev f1)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family PCI Express Root Port [1043:8694]
    Kernel driver in use: pcieport
00:1d.0 PCI bridge [0604]: Intel Corporation 100 Series/C230 Series Chipset Family PCI Express Root Port #9 [8
086:a118] (rev f1)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family PCI Express Root Port [1043:8694]
    Kernel driver in use: pcieport
00:1f.0 ISA bridge [0601]: Intel Corporation H110 Chipset LPC/eSPI Controller [8086:a143] (rev 31)
    Subsystem: ASUSTeK Computer Inc. H110 Chipset LPC/eSPI Controller [1043:8694]
00:1f.2 Memory controller [0580]: Intel Corporation 100 Series/C230 Series Chipset Family Power Management Con
troller [8086:a121] (rev 31)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family Power Management Controller [1043:8
694]
00:1f.3 Audio device [0403]: Intel Corporation 100 Series/C230 Series Chipset Family HD Audio Controller [8086
:a170] (rev 31)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family HD Audio Controller [1043:86c7]
    Kernel modules: snd_hda_intel, snd_soc_avs
00:1f.4 SMBus [0c05]: Intel Corporation 100 Series/C230 Series Chipset Family SMBus [8086:a123] (rev 31)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family SMBus [1043:8694]
    Kernel modules: i2c_i801
01:00.0 VGA compatible controller [0300]: NVIDIA Corporation GP108 [GeForce GT 1030] [10de:ld01] (rev a1)
    Subsystem: ZOTAC International (MCO) Ltd. GP108 [GeForce GT 1030] [19da:2476]
    Kernel modules: nouveau, nvidia_drm, nvidia
01:00.1 Audio device [0403]: NVIDIA Corporation GP108 High Definition Audio Controller [10de:0fb8] (rev a1)
    Subsystem: ZOTAC International (MCO) Ltd. GP108 High Definition Audio Controller [19da:2476]
    Kernel modules: snd_hda_intel
03:00.0 Ethernet controller [0200]: Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express Gigabit Ethe
rnet Controller [10ec:8168] (rev 15)
    Subsystem: ASUSTeK Computer Inc. PRIME B450M-A Motherboard [1043:8677]
    Kernel modules: r8169
04:00.0 Ethernet controller [0200]: Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express Gigabit Ethe
rnet Controller [10ec:8168] (rev 06)
    Subsystem: TP-LINK Technologies Co., Ltd. TG-3468 Gigabit PCI Express Network Adapter [7470:3468]
    Kernel modules: r8169

```

```

# pacman -Qi kmod
Name      : kmod
Version   : 31-1
Description : Linux kernel module management tools and library
Architecture : x86_64
URL       : https://git.kernel.org/pub/scm/utils/kernel/kmod/kmod.git
Licenses  : GPL2
Groups    : None
Provides  : module-init-tools=3.16 libkmod.so=2-64
Depends On : glibc zlib openssl xz zstd
Optional Deps : None

```

```
Required By      : dkms libblockdev linux-libre linux-libre-lts mkinitcpio ndctl pciutils systemd syste
md-udev
Optional For    : None
Conflicts With  : module-init-tools
Replaces       : module-init-tools
Installed Size  : 295.16 KiB
Packager       : Christian Hesse <eworm@archlinux.org>
Build Date     : Sat Sep 30 02:52:41 2023
Install Date    : Wed Oct 11 20:00:14 2023
Install Reason  : Installed as a dependency for another package
Install Script  : No
Validated By   : Signature
```

But on linux-libre-lts with kmod-31-1, no kernel modules has any issues.

```
# uname -r
5.15.88-gnu-1-lts
# lspci -nnk
00:00.0 Host bridge [0600]: Intel Corporation Xeon E3-1200 v6/7th Gen Core Processor Host Bridge/DRAM Register
s [8086:590f] (rev 06)
    Subsystem: ASUSTeK Computer Inc. Xeon E3-1200 v6/7th Gen Core Processor Host Bridge/DRAM Registers [1043:8
694]
    Kernel driver in use: skl_uncore
00:01.0 PCI bridge [0604]: Intel Corporation 6th-10th Gen Core Processor PCIe Controller (x16) [8086:1901] (re
v 06)
    Subsystem: ASUSTeK Computer Inc. 6th-10th Gen Core Processor PCIe Controller (x16) [1043:8694]
    Kernel driver in use: pcieport
00:14.0 USB controller [0c03]: Intel Corporation 100 Series/C230 Series Chipset Family USB 3.0 xHCI Controller
 [8086:a12f] (rev 31)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family USB 3.0 xHCI Controller [1043:8694]
    Kernel driver in use: xhci_hcd
    Kernel modules: xhci_pci
00:16.0 Communication controller [0780]: Intel Corporation 100 Series/C230 Series Chipset Family MEI Controlle
r #1 [8086:a13a] (rev 31)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family MEI Controller [1043:8694]
    Kernel driver in use: mei_me
    Kernel modules: mei_me
00:17.0 SATA controller [0106]: Intel Corporation Q170/Q150/B150/H170/H110/Z170/CM236 Chipset SATA Controller
 [AHCI Mode] [8086:a102] (rev 31)
    Subsystem: ASUSTeK Computer Inc. Q170/Q150/B150/H170/H110/Z170/CM236 Chipset SATA Controller [AHCI Mode] [
1043:8694]
    Kernel driver in use: ahci
00:1c.0 PCI bridge [0604]: Intel Corporation 100 Series/C230 Series Chipset Family PCI Express Root Port #5 [8
086:a114] (rev f1)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family PCI Express Root Port [1043:8694]
    Kernel driver in use: pcieport
00:1c.7 PCI bridge [0604]: Intel Corporation 100 Series/C230 Series Chipset Family PCI Express Root Port #8 [8
086:a117] (rev f1)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family PCI Express Root Port [1043:8694]
    Kernel driver in use: pcieport
00:1d.0 PCI bridge [0604]: Intel Corporation 100 Series/C230 Series Chipset Family PCI Express Root Port #9 [8
086:a118] (rev f1)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family PCI Express Root Port [1043:8694]
    Kernel driver in use: pcieport
00:1f.0 ISA bridge [0601]: Intel Corporation H110 Chipset LPC/eSPI Controller [8086:a143] (rev 31)
    Subsystem: ASUSTeK Computer Inc. H110 Chipset LPC/eSPI Controller [1043:8694]
00:1f.2 Memory controller [0580]: Intel Corporation 100 Series/C230 Series Chipset Family Power Management Con
troller [8086:a121] (rev 31)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family Power Management Controller [1043:8
694]
00:1f.3 Audio device [0403]: Intel Corporation 100 Series/C230 Series Chipset Family HD Audio Controller [8086
:a170] (rev 31)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family HD Audio Controller [1043:86c7]
    Kernel driver in use: snd_hda_intel
    Kernel modules: snd_hda_intel
00:1f.4 SMBus [0c05]: Intel Corporation 100 Series/C230 Series Chipset Family SMBus [8086:a123] (rev 31)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family SMBus [1043:8694]
    Kernel driver in use: i801_smbus
    Kernel modules: i2c_i801
01:00.0 VGA compatible controller [0300]: NVIDIA Corporation GP108 [GeForce GT 1030] [10de:1d01] (rev a1)
    Subsystem: ZOTAC International (MCO) Ltd. GP108 [GeForce GT 1030] [19da:2476]
    Kernel driver in use: nvidia
    Kernel modules: nouveau, nvidia_drm, nvidia
01:00.1 Audio device [0403]: NVIDIA Corporation GP108 High Definition Audio Controller [10de:0fb8] (rev a1)
```

```

Subsystem: ZOTAC International (MCO) Ltd. GP108 High Definition Audio Controller [19da:2476]
Kernel driver in use: snd_hda_intel
Kernel modules: snd_hda_intel
03:00.0 Ethernet controller [0200]: Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express Gigabit Ethernet Controller [10ec:8168] (rev 15)
Subsystem: ASUSTeK Computer Inc. PRIME B450M-A Motherboard [1043:8677]
Kernel driver in use: r8169
Kernel modules: r8169
04:00.0 Ethernet controller [0200]: Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express Gigabit Ethernet Controller [10ec:8168] (rev 06)
Subsystem: TP-LINK Technologies Co., Ltd. TG-3468 Gigabit PCI Express Network Adapter [7470:3468]
Kernel driver in use: r8169
Kernel modules: r8169

# systemctl status systemd-modules-load.service
● systemd-modules-load.service - Load Kernel Modules
   Loaded: loaded (/usr/lib/systemd/system/systemd-modules-load.service; static)
   Active: active (exited) since Wed 2023-10-11 22:07:15 +06; 45min ago
     Docs: man:systemd-modules-load.service(8)
           man:modules-load.d(5)
   Process: 194 ExecStart=/usr/lib/systemd/systemd-modules-load (code=exited, status=0/SUCCESS)
   Main PID: 194 (code=exited, status=0/SUCCESS)
     CPU: 1.351s

```

```

# pacman -Qi kmod
Name           : kmod
Version        : 31-1
Description    : Linux kernel module management tools and library
Architecture   : x86_64
URL            : https://git.kernel.org/pub/scm/utils/kernel/kmod/kmod.git
Licenses       : GPL2
Groups         : None
Provides       : module-init-tools=3.16 libkmod.so=2-64
Depends On     : glibc zlib openssl xz zstd
Optional Deps : None
Required By    : dkms libblockdev linux-libre linux-libre-lts mkinitcpio ndctl pciutils systemd systemd-udev
Optional For   : None
Conflicts With : module-init-tools
Replaces       : module-init-tools
Installed Size : 295.16 KiB
Packager       : Christian Hesse <eworm@archlinux.org>
Build Date     : Sat Sep 30 02:52:41 2023
Install Date   : Wed Oct 11 20:00:14 2023
Install Reason : Installed as a dependency for another package
Install Script : No
Validated By   : Signature

```

But after downgrading kmod to 30-3 on linux-libre-6.3.3-gnu-1, the system becomes normal:

```

# pacman -Qi kmod
Name           : kmod
Version        : 30-3
Description    : Linux kernel module management tools and library
Architecture   : x86_64
URL            : https://git.kernel.org/pub/scm/utils/kernel/kmod/kmod.git
Licenses       : GPL2
Groups         : None
Provides       : module-init-tools=3.16 libkmod.so=2-64
Depends On     : glibc zlib openssl xz zstd
Optional Deps : None
Required By    : dkms libblockdev linux-libre linux-libre-lts mkinitcpio ndctl pciutils systemd systemd-udev
Optional For   : None
Conflicts With : module-init-tools
Replaces       : module-init-tools
Installed Size : 302.84 KiB
Packager       : Unknown Packager
Build Date     : Wed Oct 11 22:03:58 2023
Install Date   : Wed Oct 11 22:04:12 2023
Install Reason : Installed as a dependency for another package
Install Script : No
Validated By   : None
# uname -r

```

```

6.3.3-gnu-1
# lspci -nnk
00:00.0 Host bridge [0600]: Intel Corporation Xeon E3-1200 v6/7th Gen Core Processor Host Bridge/DRAM Register
s [8086:590f] (rev 06)
    Subsystem: ASUSTeK Computer Inc. Xeon E3-1200 v6/7th Gen Core Processor Host Bridge/DRAM Registers [10
43:8694]
    Kernel driver in use: skl_uncore
00:01.0 PCI bridge [0604]: Intel Corporation 6th-10th Gen Core Processor PCIe Controller (x16) [8086:1901] (re
v 06)
    Subsystem: ASUSTeK Computer Inc. 6th-10th Gen Core Processor PCIe Controller (x16) [1043:8694]
    Kernel driver in use: pcieport
00:14.0 USB controller [0c03]: Intel Corporation 100 Series/C230 Series Chipset Family USB 3.0 xHCI Controller
[8086:a12f] (rev 31)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family USB 3.0 xHCI Controller [1043:8
694]
    Kernel driver in use: xhci_hcd
    Kernel modules: xhci_pci
00:16.0 Communication controller [0780]: Intel Corporation 100 Series/C230 Series Chipset Family MEI Controlle
r #1 [8086:a13a] (rev 31)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family MEI Controller [1043:8694]
    Kernel driver in use: mei_me
    Kernel modules: mei_me
00:17.0 SATA controller [0106]: Intel Corporation Q170/Q150/B150/H170/H110/Z170/CM236 Chipset SATA Controller
[AHCI Mode] [8086:a102] (rev 31)
    Subsystem: ASUSTeK Computer Inc. Q170/Q150/B150/H170/H110/Z170/CM236 Chipset SATA Controller [AHCI Mod
e] [1043:8694]
    Kernel driver in use: ahci
00:1c.0 PCI bridge [0604]: Intel Corporation 100 Series/C230 Series Chipset Family PCI Express Root Port #5 [8
086:a114] (rev f1)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family PCI Express Root Port [1043:869
4]
    Kernel driver in use: pcieport
00:1c.7 PCI bridge [0604]: Intel Corporation 100 Series/C230 Series Chipset Family PCI Express Root Port #8 [8
086:a117] (rev f1)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family PCI Express Root Port [1043:869
4]
    Kernel driver in use: pcieport
00:1d.0 PCI bridge [0604]: Intel Corporation 100 Series/C230 Series Chipset Family PCI Express Root Port #9 [8
086:a118] (rev f1)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family PCI Express Root Port [1043:869
4]
    Kernel driver in use: pcieport
00:1f.0 ISA bridge [0601]: Intel Corporation H110 Chipset LPC/eSPI Controller [8086:a143] (rev 31)
    Subsystem: ASUSTeK Computer Inc. H110 Chipset LPC/eSPI Controller [1043:8694]
00:1f.2 Memory controller [0580]: Intel Corporation 100 Series/C230 Series Chipset Family Power Management Con
troller [8086:a121] (rev 31)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family Power Management Controller [10
43:8694]
00:1f.3 Audio device [0403]: Intel Corporation 100 Series/C230 Series Chipset Family HD Audio Controller [8086
:a170] (rev 31)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family HD Audio Controller [1043:86c7]
    Kernel driver in use: snd_hda_intel
    Kernel modules: snd_hda_intel, snd_soc_avs
00:1f.4 SMBus [0c05]: Intel Corporation 100 Series/C230 Series Chipset Family SMBus [8086:a123] (rev 31)
    Subsystem: ASUSTeK Computer Inc. 100 Series/C230 Series Chipset Family SMBus [1043:8694]
    Kernel driver in use: i801_smbus
    Kernel modules: i2c_i801
01:00.0 VGA compatible controller [0300]: NVIDIA Corporation GP108 [GeForce GT 1030] [10de:ld01] (rev a1)
    Subsystem: ZOTAC International (MCO) Ltd. GP108 [GeForce GT 1030] [19da:2476]
    Kernel driver in use: nvidia
    Kernel modules: nouveau, nvidia_drm, nvidia
01:00.1 Audio device [0403]: NVIDIA Corporation GP108 High Definition Audio Controller [10de:0fb8] (rev a1)
    Subsystem: ZOTAC International (MCO) Ltd. GP108 High Definition Audio Controller [19da:2476]
    Kernel driver in use: snd_hda_intel
    Kernel modules: snd_hda_intel
03:00.0 Ethernet controller [0200]: Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express Gigabit Ethe
rnet Controller [10ec:8168] (rev 15)
    Subsystem: ASUSTeK Computer Inc. PRIME B450M-A Motherboard [1043:8677]
    Kernel driver in use: r8169
    Kernel modules: r8169
04:00.0 Ethernet controller [0200]: Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express Gigabit Ethe
rnet Controller [10ec:8168] (rev 06)
    Subsystem: TP-LINK Technologies Co., Ltd. TG-3468 Gigabit PCI Express Network Adapter [7470:3468]
    Kernel driver in use: r8169
    Kernel modules: r8169

```

```
# systemctl status systemd-modules-load.service
● systemd-modules-load.service - Load Kernel Modules
   Loaded: loaded (/usr/lib/systemd/system/systemd-modules-load.service; static)
   Active: active (exited) since Wed 2023-10-11 22:07:15 +06; 45min ago
     Docs: man:systemd-modules-load.service(8)
           man:modules-load.d(5)
   Process: 194 ExecStart=/usr/lib/systemd/systemd-modules-load (code=exited, status=0/SUCCESS)
   Main PID: 194 (code=exited, status=0/SUCCESS)
      CPU: 1.351s
```

```
Oct 11 22:07:13 sky systemd-modules-load[194]: Inserted module 'crypto_user'
Oct 11 22:07:13 sky systemd-modules-load[194]: Inserted module 'dm_multipath'
Oct 11 22:07:15 sky systemd-modules-load[194]: Inserted module 'nvidia_uvm'
Oct 11 22:07:15 sky systemd[1]: Finished Load Kernel Modules.
Notice: journal has been rotated since unit was started, output may be incomplete.
```

#### **#5 - 2023-10-17 07:04 AM - dario**

There is a bug report for Debian: <https://bugs.debian.org/cgi-bin/bugreport.cgi?bug=1050582#30>

#### **#6 - 2023-10-17 10:27 PM - bill-auger**

- Status changed from unconfirmed to in progress

- Subject changed from *[linux-libre 6.3.3][kmod 31-1] Failed to start CLI Netfilter Manager. Failed to start Cryptography Setup to [linux-libre]: 6.3.3 fails to load modules with kmod 31*

#### **#7 - 2023-10-18 08:27 PM - bill-auger**

- Assignee changed from Megver83 to bill-auger

i have replaced linux-libre with the vanilla variant; which should fix the various problems with kmod for now - we will need to keep an eye on this for the next linux-libre

#### **#8 - 2023-10-18 08:34 PM - bill-auger**

- Assignee deleted (bill-auger)

- Status changed from in progress to confirmed

#### **#9 - 2023-10-18 08:42 PM - bill-auger**

- Assignee set to bill-auger

- Status changed from confirmed to fixed

i have replaced linux-libre with the vanilla variant; which should fix the various problems with kmod for now - we will need to keep an eye on this for the next linux-libre

#### **#10 - 2023-10-29 06:56 AM - bill-auger**

- Status changed from fixed to in progress