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Linux: Find out what kernel drivers (modules) are loaded

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Q. How do I find out what Linux kernel drivers are loaded by my Linux distribution? How do I list device drivers (modules) loaded in memory?

A. Under Linux use the file `/proc/modules` shows what kernel modules (drivers) are currently loaded.



[1]

lsmod command

You need to use lsmod command to show the status of modules in the Linux Kernel. Simply type the lsmod at a shell prompt:

```
$ lsmod
```

Output:

Module	Size	Used by
binfmt_misc	12680	1
rfcomm	40856	0
l2cap	25856	5 rfcomm
bluetooth	55908	4 rfcomm, l2cap
ppdev	10116	0
acpi_cpufreq	10056	1
cpufreq_stats	7360	0
cpufreq_userspace	5408	0
cpufreq_conservative	8200	0
cpufreq_ondemand	9228	4
cpufreq_powersave	2688	0
freq_table	5792	3 acpi_cpufreq, cpufreq_stats, cpufreq_ondemand
pcc_acpi	13184	0
dev_acpi	12292	0
tc1100_wmi	8068	0
sony_acpi	6284	0
dock	10268	0
sbs	15652	0
asus_acpi	17308	0
ac	6020	0
battery	10756	0
i2c_ec	6016	1 sbs
video	16388	0
backlight	7040	1 asus_acpi
container	5248	0
button	8720	0
nls_utf8	3072	1
ntfs	107764	1
eeeprom	8336	0
i2c_i801	9356	0
sbp2	23812	0
lp	12452	0
fuse	46612	0
af_packet	23816	2
snd_hda_intel	21912	4
snd_hda_codec	205056	1 snd_hda_intel
snd_pcm_oss	44544	0
snd_mixer_oss	17408	1 snd_pcm_oss
snd_pcm	79876	4 snd_hda_intel, snd_hda_codec, snd_pcm_oss
snd_seq_dummy	4740	0
snd_seq_oss	32896	0

tuner	61864	0	
snd_seq_midi	9600	0	
snd_rawmidi	25472	1	snd_seq_midi
bttv	173684	0	
video_buf	26116	1	bttv
snd_seq_midi_event	8448	2	snd_seq_oss,snd_seq_midi
ir_common	31236	1	bttv
nvidia	6224240	24	
compat_ioctl32	2304	1	bttv
snd_seq	52592	6	snd_seq_dummy,snd_seq_oss,snd_seq_midi,snd_seq_midi_event
i2c_algo_bit	8712	1	bttv
btctx_risc	5896	1	bttv
snd_timer	23684	3	snd_pcm,snd_seq
snd_seq_device	9100	5	snd_seq_dummy,snd_seq_oss,snd_seq_midi,snd_rawmidi,snd_seq
tveeprom	15888	1	bttv
iTCO_wdt	11812	0	
iTCO_vendor_support	4868	1	iTCO_wdt
parport_pc	36388	1	
agpgart	35400	1	nvidia
tsdev	8768	0	
parport	36936	3	ppdev,lp,parport_pc
snd	54020	16	snd_hda_intel,snd_hda_codec,snd_pcm_oss,snd_mixer_oss,snd
soundcore	8672	1	snd
i2c_core	22656	8	i2c_ec,eeeprom,i2c_i801,tuner,bttv,nvidia,i2c_algo_bit,tvee
rt61	245128	1	
psmouse	38920	0	
snd_page_alloc	10888	2	snd_hda_intel,snd_pcm
videodev	28160	1	bttv
v4l2_common	25216	3	tuner,bttv,videodev
v4l1_compat	15236	1	videodev
serio_raw	7940	0	
shpchp	34324	0	
pci_hotplug	32576	1	shpchp
evdev	11008	3	
pcspkr	4224	0	
ipv6	268960	20	
ext3	133128	1	
jbd	59816	1	ext3
mbcache	9604	1	ext3
sg	36252	0	
sr_mod	17060	0	
sd_mod	23428	4	
cdrom	37664	1	sr_mod
generic	5124	0	[permanent]
ata_generic	9092	0	
ohci1394	36528	0	
ieee1394	299448	2	sbp2,ohci1394
pata_marvell	7936	0	
ata_piix	15492	3	
libata	125720	3	ata_generic,pata_marvell,ata_piix
scsi_mod	142348	5	sbp2,sg,sr_mod,sd_mod,libata
e1000	126016	0	
ehci_hcd	34188	0	
uhci_hcd	25360	0	
usbcore	134280	3	ehci_hcd,uhci_hcd
thermal	14856	0	
processor	31048	2	acpi_cpufreq,thermal
fan	5636	0	
fbcon	42656	0	
tileblit	3584	1	fbcon
font	9216	1	fbcon
bitblit	6912	1	fbcon
softcursor	3200	1	bitblit
vesafb	9220	0	
capability	5896	0	
commoncap	8192	1	capability

To get more information about specific driver, enter:
`modinfo {driver-name}`

```
$ modinfo e1000
```

Output:

```
filename:      /lib/modules/2.6.20-16-generic/kernel/drivers/net/e1000/e1000.ko
version:      7.3.15-k2-NAPI
license:      GPL
description:   Intel(R) PRO/1000 Network Driver
author:       Intel Corporation,

srcversion:   037027F24F37E1AAEFC4360
alias:        pci:v00008086d000010C5sv*sd*bc*sc*i*
```

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