
Subject: Re: howto compile kernel with some special features ?

Posted by [dvazart](#) on Mon, 07 Sep 2009 12:40:58 GMT

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lspci :

```
00:00.0 Host bridge: Intel Corporation 82946GZ/PL/GL Memory Controller Hub (rev 02)
00:02.0 VGA compatible controller: Intel Corporation 82946GZ/GL Integrated Graphics Controller
(rev 02)
00:1c.0 PCI bridge: Intel Corporation 82801G (ICH7 Family) PCI Express Port 1 (rev 01)
00:1c.4 PCI bridge: Intel Corporation 82801GR/GH/GHM (ICH7 Family) PCI Express Port 5 (rev
01)
00:1c.5 PCI bridge: Intel Corporation 82801GR/GH/GHM (ICH7 Family) PCI Express Port 6 (rev
01)
00:1d.0 USB Controller: Intel Corporation 82801G (ICH7 Family) USB UHCI Controller #1 (rev 01)
00:1d.1 USB Controller: Intel Corporation 82801G (ICH7 Family) USB UHCI Controller #2 (rev 01)
00:1d.2 USB Controller: Intel Corporation 82801G (ICH7 Family) USB UHCI Controller #3 (rev 01)
00:1d.3 USB Controller: Intel Corporation 82801G (ICH7 Family) USB UHCI Controller #4 (rev 01)
00:1d.7 USB Controller: Intel Corporation 82801G (ICH7 Family) USB2 EHCI Controller (rev 01)
00:1e.0 PCI bridge: Intel Corporation 82801 PCI Bridge (rev e1)
00:1f.0 ISA bridge: Intel Corporation 82801GB/GR (ICH7 Family) LPC Interface Bridge (rev 01)
00:1f.2 IDE interface: Intel Corporation 82801GB/GR/GH (ICH7 Family) SATA IDE Controller (rev
01)
00:1f.3 SMBus: Intel Corporation 82801G (ICH7 Family) SMBus Controller (rev 01)
06:00.0 Ethernet controller: Intel Corporation 82573L Gigabit Ethernet Controller
07:00.0 Ethernet controller: Intel Corporation 82573L Gigabit Ethernet Controller
```

With 2.6.18-19-ovz-amd64 #1 SMP Wed Sep 2 18:12:15 UTC 2009 x86_64 GNU/Linux :

menu.lst

initrd /boot/initrd.img-2.6.18-19-ovz-amd64

lsmod :

Module	Size	Used by
vzethdev	47776	0
vznetdev	56976	120
simfs	38552	60
vzrst	173736	0
ip_nat	53648	1 vzrst
vzcpt	149432	0
ip_conntrack	101524	3 vzrst,ip_nat,vzcpt
nfnetlink	40648	2 ip_nat,ip_conntrack
vzdquota	79216	60 [permanent]
vzmon	84120	64 vzethdev,vznetdev,vzrst,vzcpt

```

vzdev          37256 6 vzethdev,vznetdev,vzdquota,vzmon
xt_tcpudp      36480 0
xt_length      35200 0
ipt_ttl        35072 0
xt_tcpmss      35584 0
ipt_TCPMSS     37504 0
iptables_mangle 38144 60
iptables_filter 38016 60
xt_multiport   36608 0
xt_limit       36480 0
ipt_tos        34816 0
ipt_REJECT     39940 0
ip_tables      57696 2 iptables_mangle,iptables_filter
x_tables       53128 10
xt_tcpudp,xt_length,ipt_ttl,xt_tcpmss,ipt_TCPMSS,xt_multiport,xt_limit,ipt_tos,ipt_REJECT,ip_tables
es
ipv6           456892 373 vzrst,vzcpt,vzmon
xfrm_nalgo     43652 1 ipv6
crypto_api     43136 1 xfrm_nalgo
loop           49040 0
i2c_i801       42004 0
i2c_core       56448 1 i2c_i801
pcspkr         36480 0
ext3           170384 1
jbd            103280 1 ext3
ata_piix       57220 0
libata         210192 1 ata_piix
floppy         95656 0
scsi_mod       198424 1 libata
e1000e         146256 0
uhci_hcd       57624 0
ehci_hcd       65932 0

```

dmesg |grep hd

```

Command line: root=/dev/hdc2 ro quiet
Kernel command line: root=/dev/hdc2 ro quiet
testing NMI watchdog ... OK.
hdc: OCZ SUMMIT, ATA DISK drive
hdc: max request size: 512KiB
hdc: 250069680 sectors (128035 MB), CHS=16383/255/63
hdc: cache flushes supported
hdc: hdc1 hdc2
EXT3 FS on hdc2, internal journal
hdc: status timeout: status=0xd0 { Busy }

```

With 2.6.26-2-amd64 #1 SMP Fri Aug 14 07:12:04 UTC 2009 x86_64 GNU/Linux :

menu.lst

initrd /boot/initrd.img-2.6.26-2-amd64

lsmod :

Module	Size	Used by
ipv6	288328	16
loop	19468	0
iTCO_wdt	15696	0
snd_pcsp	14588	0
i2c_i801	13596	0
snd_pcm	81672	1 snd_pcsp
snd_timer	25744	1 snd_pcm
snd	63688	3 snd_pcsp,snd_pcm,snd_timer
soundcore	12064	1 snd
snd_page_alloc	13072	1 snd_pcm
container	8320	0
button	11680	0
rng_core	8968	0
i2c_core	27936	1 i2c_i801
intel_agp	31856	1
evdev	14208	0
ext3	124944	1
jbd	51240	1 ext3
mbcache	12804	1 ext3
sd_mod	29376	3
ata_piix	22660	2
ata_generic	10116	0
libata	165600	2 ata_piix,ata_generic
scsi_mod	160760	2 sd_mod,libata
dock	14112	1 libata
floppy	61672	0
ide_pci_generic	9220	0 [permanent]
ide_core	128284	1 ide_pci_generic
ehci_hcd	35980	0
uhci_hcd	25760	0
e1000e	99748	0
thermal	22816	0
processor	42304	1 thermal
fan	9352	0
thermal_sys	17728	3 thermal,processor,fan

dmesg |grep sd

[0.000000] Command line: root=/dev/sda2 ro quiet

```
[ 0.000000] Kernel command line: root=/dev/sda2 ro quiet
[ 2.810799] Driver 'sd' needs updating - please use bus_type methods
[ 2.810881] sd 1:0:0:0: [sda] 250069680 512-byte hardware sectors (128036 MB)
[ 2.810894] sd 1:0:0:0: [sda] Write Protect is off
[ 2.810896] sd 1:0:0:0: [sda] Mode Sense: 00 3a 00 00
[ 2.810915] sd 1:0:0:0: [sda] Write cache: enabled, read cache: enabled, doesn't support DPO
or FUA
[ 2.810967] sd 1:0:0:0: [sda] 250069680 512-byte hardware sectors (128036 MB)
[ 2.810978] sd 1:0:0:0: [sda] Write Protect is off
[ 2.810980] sd 1:0:0:0: [sda] Mode Sense: 00 3a 00 00
[ 2.810999] sd 1:0:0:0: [sda] Write cache: enabled, read cache: enabled, doesn't support DPO
or FUA
[ 2.811003] sda: sda1 sda2
[ 2.810915] sd 1:0:0:0: [sda] Attached SCSI disk
[ 4.572464] Adding 1951856k swap on /dev/sda1. Priority:-1 extents:1 across:1951856k
[ 4.632346] EXT3 FS on sda2, internal journal
```

I hope this is useful!
