

Table Of Contents

Table Of Contents .....	1
Task display : CPU Information .....	2
Task: Display Free and used Memory Information .....	2
Task: Display partition information .....	2
Task: Display file system disk space usage .....	2
Task: Estimate file space usage .....	2
Task: List PCI devices .....	2
Task: List USB devices .....	2
Task display : More Information .....	2
See also: .....	3

[Home](#) > [Faq](#) > [Debian / Ubuntu](#)

## Linux display information about installed hardware

Posted by [Vivek Gite](#) <[vivek@nixcraft.com](mailto:vivek@nixcraft.com)>

You need to use command called lsdev. It gathers information about your computer's installed hardware from the interrupts, iports and dma files in the /proc directory, thus giving you a quick overview of which hardware uses what I/O addresses and what IRQ and DMA channels.

This command is very useful while troubleshooting various hardware conflict problems.



[1]

### Task display : CPU Information

```
$ cat /proc/cpuinfo
```

### Task: Display Free and used Memory Information

```
$ free -m
```

### Task: Display partition information

```
# fdisk -l
```

### Task: Display file system disk space usage

```
# df -H
```

OR

```
# df -h
```

### Task: Estimate file space usage

```
# du
```

### Task: List PCI devices

```
# lspci
```

### Task: List USB devices

```
# lsusb
```

### Task display : More Information

```
$ lsdev
```

Output:

Device	DMA	IRQ	I/O Ports
-----			

```

0000:00:1d.0          d800-d81f
0000:00:1d.1          d000-d01f
0000:00:1d.2          d400-d41f
0000:00:1f.0          4000-407f 4080-40bf
0000:00:1f.1          f000-f00f
0000:00:1f.3          5000-501f
0000:00:1f.5          e000-e0ff e400-e43f
0000:01:05.0          c000-c0ff
8139too               c000-c0ff
acpi                   9
btbtv0                 22
cascade               4
dma                   0080-008f
dma1                   0000-001f
dma2                   00c0-00df
ehci_hcd:usb4         20
eth0                  18
fpu                   00f0-00ff
GPE0_BLK              4028-402f
i8042                 1 12
ICH4                  21
ide0                  14 01f0-01f7 03f6-03f6 f000-f007
ide1                  15 0170-0177 0376-0376 f008-f00f
Intel                 e000-e0ff e400-e43f
keyboard              0060-006f
parport0              7 0378-037a
PCI                   0cf8-0cff c000-cfff
pic1                  0020-0021
pic2                  00a0-00a1
PM1a_CNT_BLK          4004-4005
PM1a_EVT_BLK          4000-4003
PM_TMR                4008-400b
rtc                   8 0070-0077
serial                02f8-02ff 03f8-03ff
timer                 0
timer0                0040-0043
timer1                0050-0053
uhci_hcd              d000-d01f d400-d41f d800-d81f
uhci_hcd:usb1         16
uhci_hcd:usb2         19
uhci_hcd:usb3         17
vga+                  03c0-03df

```

## See also:

- [Linux check memory usage](#) <sup>[2]</sup>
- [How do I find out Linux CPU utilization?](#) <sup>[3]</sup>
- [Linux command to gather hardware and software snapshot for troubleshooting](#) <sup>[4]</sup>
- [FreeBSD Display information about the system](#) <sup>[5]</sup>

4000+ howtos and counting! Want to read more Linux / UNIX howtos, tips and tricks? Subscribe to our [daily email](#) newsletter or [weekly newsletter](#) to make sure you don't miss a single tip/tricks. Alternatively, subscribe via [RSS/XML](#) feed.

Article printed from Frequently Asked Questions About Linux / UNIX: <http://www.cyberciti.biz/faq/>

URL to article: <http://www.cyberciti.biz/faq/linux-display-information-about-installed-hardware/>

URLs in this post:

[1] Image: <http://www.cyberciti.biz/faq/faq/category/linux/>

[2] Linux check memory usage: <http://www.cyberciti.biz/faqs/2006/04/linux-check-memory-usage.php>

[3] How do I find out Linux CPU utilization?: <http://www.cyberciti.biz/nixcraft/vivek/blogger/2006/04/how-do-i-find-out->

**linux-cpu.php**

[4] Linux command to gather hardware and software snapshot for troubleshooting:

**<http://www.cyberciti.biz/nixcraft/vivek/blogger/2006/05/linux-command-to-gather-hardware-and.php>**

[5] FreeBSD Display **information** about the system: **<http://www.cyberciti.biz/nixcraft/vivek/blogger/2005/02/freebsd-display-information-about.php>**

---

Copyright © 2006-2010 [nixCraft](http://www.cyberciti.biz/nixcraft/). All rights reserved. This print / pdf version is for personal non-commercial use only. More details <http://www.cyberciti.biz/tips/copyright>.