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## Linux list all IROs currently in use

Posted by Vivek Gite <vivek@nixcraft.com>

Q. How do I list all IRQs currently used under CentOS Linux?

A.. There is a file called /proc/interrupts. The proc filesystem is a pseudo filesystem which is used as an interface to kernel data structures. It is commonly mounted at /proc.

This is used to record the number of interrupts per each IRQ on (at least) the i386 architecture. Very easy to read formatting, done in ASCII.



[1]

## Display /proc/interrupts

Use cat or less command:

```
$ cat /proc/interrupts
```

### Output:

|      | CPU0    | CPU1    | CPU2    | CPU3    |                 |                        |
|------|---------|---------|---------|---------|-----------------|------------------------|
| 0:   | 187     | 0       | 0       | 0       | IO-APIC-edge    | timer                  |
| 1:   | 39922   | 0       | 0       | 0       | IO-APIC-edge    | i8042                  |
| 7:   | 0       | 0       | 0       | 0       | IO-APIC-edge    | parport0               |
| 8:   | 4       | 0       | 0       | 0       | IO-APIC-edge    | rtc                    |
| 9:   | 1       | 0       | 0       | 0       | IO-APIC-fasteoi | acpi                   |
| 12:  | 846774  | 0       | 0       | 0       | IO-APIC-edge    | i8042                  |
| 14:  | 105048  | 0       | 0       | 0       | IO-APIC-edge    | libata                 |
| 15:  | 0       | 0       | 0       | 0       | IO-APIC-edge    | libata                 |
| 16:  | 1069722 | 0       | 0       | 0       | IO-APIC-fasteoi | libata, uhci_hcd:usb4, |
| 17:  | 105382  | 0       | 0       | 0       | IO-APIC-fasteoi | eth0                   |
| 18:  | 83040   | 0       | 0       | 0       | IO-APIC-fasteoi | uhci_hcd:usb2, libata  |
| 19:  | 0       | 0       | 0       | 0       | IO-APIC-fasteoi | uhci_hcd:usb1, ehci_hc |
| 20:  | 474168  | 0       | 0       | 0       | IO-APIC-fasteoi | uhci_hcd:usb3, ohci139 |
| 21:  | 10117   | 0       | 0       | 0       | IO-APIC-fasteoi | bttv0                  |
| 22:  | 594327  | 0       | 0       | 0       | IO-APIC-fasteoi | HDA Intel              |
| NMI: | 0       | 0       | 0       | 0       |                 |                        |
| LOC: | 1754492 | 1545836 | 2085855 | 1878596 |                 |                        |
| ERR: | 0       |         |         |         |                 |                        |
| MIS: | 0       |         |         |         |                 |                        |
|      |         |         |         | III     |                 |                        |
| -    |         |         |         |         |                 |                        |

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Display /proc/interrupts
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