

i3status

Zeletochoy

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# What is it?

## Website quote

*i3status is a small program (about 1500 SLOC) for generating a status bar for i3bar, dzen2, xmobar or similar programs. It is designed to be very efficient by issuing a very small number of system calls, as one generally wants to update such a status line every second. This ensures that even under high load, your status bar is updated correctly. Also, it saves a bit of energy by not hogging your CPU as much as spawning the corresponding amount of shell commands would.*

# Configuration

## My rack's .i3status.conf

```
general {
    colors = true
    interval = 1
    output_format = "i3bar"
}

order += "volume master"
order += "disk /"
order += "ethernet em0"
order += "cpu_usage"
order += "tztime local"

ethernet em0 {
    format_up = "Em0: %ip (%speed)"
    format_down = "Em0: down"
}
```

## My rack's .i3status.conf 2

```
tztime local {
    format = "%d/%m/%Y %H:%M:%S"
}

cpu_usage {
    format = "CPU: %usage"
}

disk "/" {
    format = "Disk: %free"
}

volume master {
    format = "Vol: %volume"
    device = "default"
    mixer_idx = 1
}
```

## Result

```
Vol: 79% | Disk: 6.3 GB | Em0: 10.41.17.15 (1000baseT) | CPU: 02% | 04/12/2013 18:30:08
```

## Documentation

See <http://i3wm.org/i3status/manpage.html>

# Wrappers

## Howto

- ▶ i3status outputs json, python can easily decode/encode it.
- ▶ Just replace the call to i3status in .i3/config with  
`i3status | wrapper.py`
- ▶ Base wrapper available here:  
[https://github.com/lbonn/i3status/blob/master/contrib\(wrapper.py](https://github.com/lbonn/i3status/blob/master/contrib(wrapper.py)
- ▶ You can display everything you want in your status bar just by adding it to the json output.
- ▶ Also available in bash and perl, or any other language as long as you manage to deal with json.

Have fun :)

- ▶ Next bus/metro :

Used `ratp.py` (© seirl) to get next 131.

`Next 131: 1 mn -> 5 mn`

- ▶ Number of ING1 racked :

Used `smstats` (© delroth, for the latest version), modified for python3 and remove useless features.

`SM: 181`

Final result

`SM: 281 | Next 131: 2 mn -> 3 mn | Vol: 79% | Disk: 6.3 GB | Em0: 10.41.19.64 (100baseTX) | CPU: 21% | 04/12/2013 17:58:42`

# The end

The code is available here:

<https://bitbucket.org/Zeletochoy/epi3status>

GLHF for the rest of the night !