

i3status

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December 6, 2013

What is it?

Website quote

i3status is a small program (about 1500 SLOC) for generating a status bar for i3bar, dzen2, xmbar 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>
- ▶ 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 !