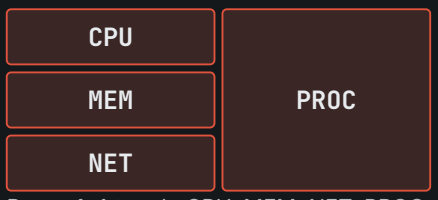
btop++ Resource monitor

CONCEPTS

Keys marked Selected only work while a process is highlighted in the PROC box; press Up or Down first.

Buttons with a highlighted letter on screen are clickable, and the mouse wheel scrolls lists.



Boxes 1-4 toggle CPU, MEM, NET, PROC

Vim keys (h j k l g G) are off by default; with vim_keys on, help and kill move to Shift+H and Shift+K.

BOXES AND VIEWS

`1` Toggle CPU box

`2` Toggle MEM box

`3` Toggle NET box

`4` Toggle PROC box

`5` Toggle GPU box

`p` / `Shift` + `p`
Next / previous preset

`d` Toggle disks view in MEM

`i` Disk IO mode with big graphs

`Plus` / `Minus`
Update interval +/- 100ms

`b` / `n`
Previous / next network device

`a` Toggle network auto scaling

`y`
Toggle synced network scaling

`z` Reset network totals

PROCESS LIST

`Up` / `Down` Select a process

`Enter`
Show details of selected process

PROCESS LIST (cont.)

`PgUp` / `PgDn` Jump one page

`Home` / `End` First / last page

`Left` / `Right`
Previous / next sort column

`r` Reverse sort order

`e` Toggle tree view

`Space`
Expand / collapse in tree (Selected)

`C` Expand / collapse children

`E` Expand / collapse all in tree

`c`
Per-core CPU usage of processes

`%`
Toggle memory display mode

`F` Follow selected process

`u` Pause the process list

FILTER

`f` / `/` Enter a process filter

`Delete` Clear the filter

`!<regex>` Filter by regex

`btop -f <text>`
Start with a filter

SIGNALS

`t`
Terminate with SIGTERM (Selected)

`k` Kill with SIGKILL (Selected)

`s`
Choose or enter a signal (Selected)

`N` Set nice value (Selected)

MENU AND CONFIG

`Esc` / `m` Toggle main menu

`F2` / `o` Show options

`F1` / `?` / `h` Show help window

MENU AND CONFIG (cont.)

`Ctrl` + `r`
Reload config from disk

`Ctrl` + `z` Sleep to background

`q` / `Ctrl` + `c` Quit

`~/.config/btop/btop.conf`
Config file

`~/.config/btop/themes/`
Your themes

COMMAND LINE

`btop`
Start btop

`btop -p <0-9>`
Start with a preset

`btop -u <ms>`
Set update rate

`btop -c <file>`
Use another config file

`btop -l`
256 colours only

`btop -t`
Force TTY mode

`btop --default-config`
Print default config

`btop --themes-dir <dir>`
Look for themes in a directory

`btop --help`
List all options

`btop --version`
Show version

RECIPES

Find and stop a runaway process

```
# open btop, then:
# f  type the name  Enter
# Down  select it
# t  (or k if it ignores SIGTERM)
```

See who owns the memory

```
# Right until the Mem column is sorted
# r  to flip the order
# e  tree view to group children
```

Dedicated process view

```
btop -p 2 -f nginx
# or hide boxes 1-3 with the keys
```

Watch a service in tmux

```
tmux new -d -s mon 'btop'
tmux a -t mon
```