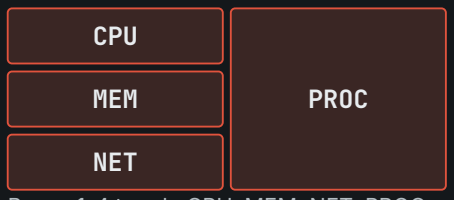
btop++ Resource monitor

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

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
```