# btop++ Resource monitor

## CONCEPTS

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




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

## BOXES AND VIEWS

`1`
Toggle CPU box

`2`
Toggle MEM box

`3`
Toggle NET box

`4`
Toggle PROC box

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

`d`
Toggle disks view in MEM

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

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

## PROCESS LIST

`Up` / `Down`
Select a process

`Enter`
Show details of selected process

`PgUp` / `PgDn`
Jump one page

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

`r`
Reverse sort order

`e`
Toggle tree view

## PROCESS LIST (cont.)

`Space`
Expand / collapse in tree (Selected)

`F`
Follow selected process

`u`
Pause the process list

## FILTER

`f` / `/`
Enter a process filter

`Delete`
Clear the filter

`!<regex>`
Filter by regex

## SIGNALS

`t`
Terminate with SIGTERM (Selected)

`k`
Kill with SIGKILL (Selected)

`s`
Choose or enter a signal (Selected)

## MENU AND CONFIG

`Esc` / `m`
Toggle main menu

`F2` / `o`
Show options

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

`Ctrl` + `r`
Reload config from disk

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

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

## COMMAND LINE

**`btop`**
Start btop

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