gdu Fast disk usage

START HERE

- **Up** / **Down** — Move the selection
- **Enter** / **Right** — Open the directory
- **Left** / **h** — Back to the parent
- **s** — Sort by size
- **d** — Delete the selection
- **/** — Search by name
- **?** — Show help
- **q** — Quit gdu

Scan gdu <path> → **-o / -f** → **Browse** sort, filter, info → **d / D / e** → **Clean up** delete, trash, empty

CONCEPTS

Start gdu in the directory you suspect, then dive into the biggest entry and repeat; the bar shows each entry's share.

Scans use many cores, great on SSDs; add --sequential on a spinning disk.

Hard links are counted once. Default sizes are disk usage; press a to compare with apparent size.

NAVIGATE

Up / **Down**
Move the selection

k / **j**
Move up / down (vi keys)

Enter / **Right**
Open the selected directory

l Open the directory (vi key)

Left / **h**
Go to the parent directory

PgUp / **PgDn**
Move a page at a time

g / **G**
Jump to the top / bottom

/ Search entries by name

? Show the help window

q
Quit (asks after a long scan)

Q
Quit and print the current directory
Handy for a shell wrapper that cds to where you ended up.

SORT AND VIEW

s
Sort by size; again to reverse

n
Sort by name; again to reverse

C Sort by item count

M Sort by mtime

a
Toggle disk usage / apparent size

c Show or hide item counts

m Show or hide latest mtime

B
Align bars to the biggest entry

T
Filter by file type (extension)

ACT ON ITEMS

d Delete the selected item
Asks for confirmation. Disabled by --no-delete.

D Move the item to the trash
Uses the built-in trash unless --trash-command is set.

e Empty the directory or file

i Show info about the item

v View the file's content

r
Rescan the current directory

Space
Mark an item for deletion

y
Copy the item's path to the clipboard

o
Open in an external program

I Ignore the item

p Print marked paths on exit

b
Spawn a shell in this directory

E
Export the analysis as JSON

Mark several items with Space, then delete them in one go.

DURING A SCAN

Tab
Preview results found so far

Esc
Stop scanning, keep results

Ctrl + **C**
Stop scanning; again to quit
With --ctrl-c-quits the first press quits.

RUN IT

gdu
Analyse the current directory

`gdu <path>`
Analyse a directory

`gdu <dir1> <dir2>`
Analyse several directories

`gdu -d`
List mounted disks

`gdu -x <path>`
Stay on one filesystem

`gdu -a`
Start on apparent size

`gdu -C`
Show item counts

`gdu -M`
Show latest mtime

RUN IT (cont.)

`gdu -B`
Show relative size bars

`gdu --si`
Use kB / MB, not KiB / MiB

`gdu --mouse`
Enable mouse support

`gdu -c`
Plain colours only

`gdu -u`
No Unicode symbols

`gdu --show-symlink-target`
Show name → target for symlinks

`gdu --collapse-path`
Merge single-child directory chains

`gdu --web <path>`
Browse in a web UI

`gdu --web --web-listen localhost:8080 <path>`
Fixed address for the web UI

`gdu --interactive <path> | tee out.txt`
Force the TUI when piped

FILTER THE SCAN

`gdu -i <dir>,<dir> <path>`
Ignore paths (default /proc,/dev,/sys,/run)

`gdu -I '<regex>' <path>`
Ignore paths by pattern

`gdu -X <file> <path>`
Read ignore patterns from a file

`gdu -G .gitignore <path>`
Ignore using gitignore-style rules

`gdu -H <path>`
Skip hidden directories

`gdu -T <ext>,<ext> <path>`
Include only these file types

`gdu -E <ext>,<ext> <path>`
Exclude these file types

`gdu --min-age 30d <path>`
Only files at least 30 days old

`gdu --max-age 7d <path>`
Only files changed in the last 7 days

`gdu --since <date> --until <date> <path>`
Files in a date range

`gdu --archive-browsing <path>`
Browse into zip / tar archives

NON-INTERACTIVE AND EXPORT

`gdu -n <path>`
Print sizes, no TUI

`gdu -ps <path>`
Print only the total

NON-INTERACTIVE AND EXPORT (cont.)

`gdu -t 10 <path>`
Show the 10 largest files

`gdu -n --depth 2 <path>`
Print the tree to depth 2

`gdu -n --no-prefix <path>`
Raw byte counts

`gdu -o- <path> | gzip > scan.json.gz`
Export a scan as JSON

`zcat scan.json.gz | gdu -f-`
Browse a saved scan

`gdu --db scan.sqlite <path>`
Store the scan in SQLite or BadgerDB

`gdu -r --db scan.sqlite`
Reopen a stored scan, no rescan

SAFETY AND CONFIG

`gdu --no-delete`
Disable all deletion

`gdu --trash-command '<command>'`
Own command for the D key
Example: 'trash-put --trash-dir ~/mytrash'.

`gdu -m <n>`
Limit CPU cores used

`gdu --sequential`
Scan one at a time (HDDs)

`gdu -l gdu.log`
Log errors to a file

`gdu --config-file <file>`
Read settings from a file

`gdu --write-config`
Save current flags as config

Defaults live in ~/.config/gdu/gdu.yaml or ~/.gdu.yaml; the file holds the same options, e.g. no-color or sorting.

RECIPES

Find what fills the disk

```
gdu -x /
# s sorts by size, Enter dives in,
# d or D cleans up
```

Quick check, no UI

```
gdu -t 10 ~/projects
gdu -ps ~/Downloads
```

Scan big, browse later

```
gdu -o- / | gzip -c >
report.json.gz
zcat report.json.gz | gdu -f-
```

Review safely, skip build output

```
gdu --no-delete -G .gitignore
~/projects
gdu -H ~/projects
```