gdu Fast disk usage

CONCEPTS

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

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

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

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)

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

T Filter by file type (extension)

ACT ON ITEMS

d Delete the selected item

D Move the item to the trash

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

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

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

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

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

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

NON-INTERACTIVE AND EXPORT

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

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

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

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

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

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

SAFETY AND CONFIG

gdu --no-delete
Disable all deletion

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-
```