duf Disk usage overview

START HERE

duf
Show mounted disks

`duf --inodes`
Inode usage instead

`duf <path>`
Only the disk holding it

`duf --json`
Machine-readable output

`duf --all`
Include hidden filesystems

`duf --sort size`
Biggest first

`duf --only local`
Local disks only

`duf --hide-fs tmpfs`
Skip a fs type

Pick devices paths or none → `--only` / `--hide` → **Filter** group, fs, mount → `--sort` → **Order** by any column → `--output` → **Columns** table or JSON

CONCEPTS

> duf is a friendlier df: one table per group (local, network, fuse, special) with usage bars.

> Oh-my-zsh aliases duf to something else; run unalias duf to get the real tool.

BASICS

duf
Table of mounted filesystems

`duf <path> ...`
Only the devices or mount points given
A plain file path works too: it shows the filesystem containing it.

BASICS (cont.)

`duf --all`
Add pseudo, duplicate and inaccessible fs

`duf --inodes`
Show inode usage instead of blocks

`duf --theme light`
Fix colours on a light terminal

`duf --help`
List all flags

FILTER

`duf --only <group>[,<group>]`
Show only these groups
Groups: local, network, fuse, special, loops, binds.

FILTER (cont.)

`duf --hide <group>[,<group>]`
Hide these groups

`duf --only-fs <type>[,<type>]`
Only these filesystem types
Example: --only-fs ext4,xfs

`duf --hide-fs <type>[,<type>]`
Hide these filesystem types

`duf --only-mp <path>[,<path>]`
Only these mount points

`duf --hide-mp <path>[,<path>]`
Hide these mount points
Wildcards work if quoted: --hide-mp '/sys/,/dev/*'*

SORT AND COLUMNS

`duf --sort <key>`
Order rows by a column

`duf --output <col>[,<col>]`
Choose and order columns

`duf --sort usage`
Order by how full each disk is

`duf --output mountpoint,size,avail`
Compact space overview

`duf --output mountpoint,inodes_usage`
Spot inode exhaustion

SORT AND COLUMNS (cont.)

Sort keys and columns

Group	Names
Space	`mountpoint, size, used, avail, usage`
Inodes	`inodes, inodes_used, inodes_avail, inodes_usage`
Identity	`type, filesystem`

THRESHOLDS AND OUTPUT

OUTPUT

`duf --avail-threshold="<warn>,<crit>"`
Colour by free space
Example: --avail-threshold="10G,1G"

`duf --usage-threshold="<warn>,<crit>"`
Colour by used fraction
Example: --usage-threshold="0.5,0.9"

THRESHOLDS AND OUTPUT (cont.)

`duf --json`
Print JSON instead of a table

`duf --json | jq .`
Pretty-print or filter the JSON

RECIPES

Real disks only, fullest first
```
duf --only local --hide-fs
tmpfs,devtmpfs --sort usage
```

Small overview of a few paths
```
duf / /home --output
mountpoint,size,avail,usage
```

Dump to a file for a report
```
duf --json > disks.json
duf --all --json | jq '.[0]'
```

Quiet the noise on a busy host
```
duf --hide-mp '/sys/*,/dev/*,/
run/*' --hide special
```