tree Directory tree listing

START HERE

tree
Show this directory as a tree

`tree` **-d**
Directories only

`tree` *<dir>*
Show another directory

`tree` **-I** *'<pattern>'*
Hide matching names

`tree` **-L 2**
Limit depth to 2 levels

`tree` **-h**
Show sizes, readable

`tree` **-a**
Include hidden files

`tree` **--gitignore**
Respect .gitignore

CONCEPTS

tree skips dotfiles unless you pass -a, and prints a count of directories and files at the end.

Walk -L, -a, -x, -I
↓ `filter`
Filter -P, -I, --prune
↓ `sort`
Sort -t, -r, --dirsfirst
↓ `decorate`
Print -h, -p, -D, -J, -H

-P and -I take shell-style globs, not regexes; separate alternatives with | and quote the pattern.

-P only filters files; add --matchdirs to match directory names, and --prune to drop dirs left empty.

LISTING

tree
Print the current directory as a tree

`tree` *<dir> ...*
Several directories at once

`tree` **-L** *<n>*
Descend at most n levels

`tree` **-a**
Show hidden files too

`tree` **-d**
List directories only

`tree` **-f**
Print the full path of each entry

`tree` **-l**
Follow symlinks to directories

`tree` **-x**
Stay on one filesystem

`tree` **--noreport**
Omit the final count line

LISTING (cont.)

`tree` **--filelimit** *<n>*
Skip dirs holding more than n entries

`tree` **--condense**
Merge single-child dir chains

`tree` **-i**
No indentation lines (flat list)
Pair with -f for a plain list of paths.

`tree` **-F**
Append type markers (/ * @ |)

`tree` **-Q**
Quote filenames

FILTERING

`tree` **-I** *'<glob>'*
Hide matching files and dirs

`tree` **-I 'node_modules|dist'**
Hide several names

`tree` **-P** *'<glob>'*
Show only matching files

`tree` **-P '*.py' --prune**
Matching files, no empty dirs

`tree` **--gitignore**
Apply .gitignore rules

`tree` **--gitfile** *<file>*
Use another ignore file

`tree` **--matchdirs**
Apply -P to directory names

`tree` **--ignore-case**
Case-insensitive -P and -I

`tree` **--prune**
Drop empty directories

DETAILS

`tree` **-h**
Human-readable sizes

`tree` **-s**
Sizes in bytes

DETAILS (cont.)

`tree` **--du**
Directory totals (implies -s)

`tree` **--si**
Sizes in powers of 1000

`tree` **-p**
Show permissions

`tree` **-u / -g**
Show owner / group

`tree` **-D**
Show modification date

`tree` **--timefmt** *'<fmt>'*
Date format (strftime), implies -D

`tree` **-pugh**
Mode, owner, group and size

`tree` **--inodes**
Show inode numbers

`tree` **--metafirst**
Metadata before the tree lines

SORTING

`tree` **--dirsfirst**
Directories before files

`tree` **--filesfirst**
Files before directories

`tree` **-t**
Sort by modification time

`tree` **-r**
Reverse the order

`tree` **-v**
Natural version sort (v2 before v10)

`tree` **--sort** *<key>*
name, size, mtime, ctime, version, none

`tree` **-U**
Unsorted, directory order

OUTPUT

`tree` **-J**
JSON output

`tree` **-X**
XML output

`tree` **-H** *<baseHREF>*
HTML page with links

`tree` **-H . -T** *'<title>'* **-o** *<file>*
HTML with title to a file

`tree` **-o** *<file>*
Write output to a file

`tree` **-n**
Never colourise

`tree` **-C**
Force colour, even in a pipe
Needed for `tree -C | less -R`.

`tree` **-A**
ANSI line-drawing characters

`tree` **--charset** *<name>*
Output charset (e.g. ASCII)

`tree` **--hyperlink**
Clickable OSC 8 file links

`tree` **--fromfile .**
Build a tree from paths on stdin

RECIPES

Project overview

```
tree -a -L 3 --gitignore -I
'.git' --dirsfirst
# -I '.git': --gitignore does
not hide the .git dir itself
```

Biggest directories

```
tree --du -h -L 2 --sort size -r
# totals per directory, largest
first
```

Tree of a file list

```
git ls-files | tree --fromfile .
find . -name '*.md' | tree --
fromfile .
```

Share it as JSON or HTML

```
tree -J -L 2 src > tree.json
tree -H . -T 'Docs' -o
index.html docs/
```