ripgrep Fast recursive search

CONCEPTS

rg skips ignored, hidden and binary files by default. If a match is missing, try rg -uu before blaming the pattern.

Walk tree from . or <path>
↓ skip ignored
Filter globs, types, hidden
↓ skip binary
Match regex per line
↓ format
Print path:line:text
What happens to each file

ripgrep never edits files: --replace only changes what is printed.

SEARCHING

rg *<pattern>* **[***<path>***...]**
Search paths recursively (default .)

rg -e *<pat1>* **-e** *<pat2>*
Match any of several patterns

rg -i *<pattern>*
Case-insensitive

rg -S *<pattern>*
Smart case: ignore case unless uppercase used

rg -F *<text>*
Fixed string, no regex

rg -w *<word>*
Match whole words only

rg -v *<pattern>*
Show non-matching lines

rg -m *<n>* *<pattern>*
Stop after n matches per file

FILTERING FILES

rg -g '*<glob>***'** *<pattern>*
Only paths matching the glob

rg -g '!*<glob>***'** *<pattern>*
Exclude paths matching the glob

rg -t *<type>* *<pattern>*
Only files of a type (py, rust, md...)

rg -T *<type>* *<pattern>*
Exclude a file type

rg --type-list
List known types and their globs

FILTERING FILES (cont.)

rg --max-depth *<n>* *<pattern>*
Limit directory depth

rg --files
List files that would be searched

rg --files -g '*<glob>***'**
Fast file finder by glob

IGNORE RULES

rg --hidden *<pattern>*
Search hidden files and dirs

rg --no-ignore *<pattern>*
Ignore .gitignore, .ignore and .rgignore

rg -u *<pattern>*
Stop honouring ignore files

rg -uu *<pattern>*
Also search hidden files

rg -uuu *<pattern>*
Also search binary files

OUTPUT

rg -o *<pattern>*
Print only the matched text

rg -l *<pattern>*
List files with matches

rg -c *<pattern>*
Count matching lines per file

rg -A *<n>* **/ -B** *<n>* **/ -C** *<n>*
Lines after, before, around a match

REGEX AND REPLACE

rg -r '*<text>***'** *<pattern>*
Replace matches in the output only

rg 'a(\w+)' -r 'b$1'
Use capture group $1 in replacement

rg -o -r '$1' '*<pat>***(***<grp>***)'**
Extract just a capture group

rg -U '*<a>***\n***<b>***'**
Multiline match across lines

rg -P '*<pattern>***'**
PCRE2 engine: lookaround, backrefs

CONFIG AND TOOLING

export RIPGREP_CONFIG_PATH=*<file>*
Point rg at a config file