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# How can I replace a string in a file(s)?

Asked 8 years, 4 months ago Modified 5 months ago Viewed 1.8m times



Replacing strings in files based on certain search criteria is a very common task. How can I

914

replace string foo with bar in all files in the current directory?



do the same recursively for sub directories?



replace only if the file name matches another string?

502

replace only if the string is found in a certain context?



- replace if the string is on a certain line number?
- · replace multiple strings with the same replacement
- replace multiple strings with different replacements

text-processing sed

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edited Jan 21, 2017 at 0:25



asked Feb 1, 2014 at 17:05



610

This is intended to be a canonical Q&A on this subject (see this meta discussion), please feel free to edit my answer below or add your own. - terdon ♦ Feb 1, 2014 at 17:08

Great grep -r1 (then piped to sed ) answer here: unix.stackexchange.com/questions/472476/... Gabriel Staples Mar 20, 2020 at 0:24 /

10 Answers

Sorted by:

Highest score (default)



1230







# 1. Replacing all occurrences of one string with another in all files in the current directory:

These are for cases where you know that the directory contains only regular files and that you want to process all non-hidden files. If that is not the case, use the approaches in 2.

All sed solutions in this answer assume GNU sed . If using FreeBSD or macOS, replace -i with -i ''. Also note that the use of the -i switch with any version of sed has certain filesystem security implications and is inadvisable in any script which you plan to distribute in any way.

Non recursive, files in this directory only:

```
sed -i -- 's/foo/bar/g' *
perl -i -pe 's/foo/bar/g' ./*
```

(the perl one will fail for file names ending in | or space)).

Recursive, regular files (including hidden ones) in this and all subdirectories

```
find . -type f -exec sed -i 's/foo/bar/g' {} +
If you are using zsh:
  sed -i -- 's/foo/bar/g' **/*(D.)
(may fail if the list is too big, see zargs to work around).
```

Bash can't check directly for regular files, a loop is needed (braces avoid setting the options globally):

```
( shopt -s globstar dotglob;
    for file in **; do
        if [[ -f $file ]] && [[ -w $file ]]; then
            sed -i -- 's/foo/bar/g' "$file"
        fi
   done
)
```

The files are selected when they are actual files (-f) and they are writable (-w).

# 2. Replace only if the file name matches another string / has a specific extension *l* is of a certain type etc:

Non-recursive, files in this directory only:

• Recursive, regular files in this and all subdirectories

```
find . -type f -name "*baz*" -exec sed -i 's/foo/bar/g' {} +
```

If you are using bash (braces avoid setting the options globally):

```
( shopt -s globstar dotglob
    sed -i -- 's/foo/bar/g' **baz*
    sed -i -- 's/foo/bar/g' **.baz
)
```

If you are using zsh:

```
sed -i -- 's/foo/bar/g' **/*baz*(D.)
sed -i -- 's/foo/bar/g' **/*.baz(D.)
```

The -- serves to tell sed that no more flags will be given in the command line. This is useful to protect against file names starting with -.

• If a file is of a certain type, for example, executable (see man find for more options):

```
find . -type f -executable -exec sed -i 's/foo/bar/g' {} +
zsh:

sed -i -- 's/foo/bar/g' **/*(D*)
```

## 3. Replace only if the string is found in a certain context

• Replace foo with bar only if there is a baz later on the same line:

```
sed -i 's/foo\(.*baz\)/bar\1/' file
```

In sed, using  $\setminus$ ( $\setminus$ ) saves whatever is in the parentheses and you can then access it with  $\setminus$ 1. There are many variations of this theme, to learn more about such regular expressions, see <a href="here">here</a>.

• Replace foo with bar only if foo is found on the 3d column (field) of the input file (assuming whitespace-separated fields):

```
gawk -i inplace '{gsub(/foo/, "baz", $3); print}' file
```

(needs gawk 4.1.0 or newer).

• For a different field just use \$N where N is the number of the field of interest. For a different field separator (: in this example) use:

```
gawk -i inplace -F':' '{gsub(/foo/, "baz", $3); print}' file
```

Another solution using ner1:

```
, mounds conducts doming port.
     perl -i -ane $F[2]=~s/foo/baz/g; $" = " "; print "@F\n"' foo
```

NOTE: both the awk and per1 solutions will affect spacing in the file (remove the leading and trailing blanks, and convert sequences of blanks to one space character in those lines that match). For a different field, use \$F[N-1] where N is the field number you want and for a different field separator use (the \$"=":" sets the output field separator to :):

```
perl -i -F':' -ane '$F[2]=~s/foo/baz/g; $"=":";print "@F"' foo
```

Replace foo with bar only on the 4th line:

```
sed -i '4s/foo/bar/g' file
gawk -i inplace 'NR==4{gsub(/foo/, "baz")};1' file
perl -i -pe 's/foo/bar/g if $.==4' file
```

# 4. Multiple replace operations: replace with different strings

• You can combine sed commands:

```
sed -i 's/foo/bar/g; s/baz/zab/g; s/Alice/Joan/g' file
```

Be aware that order matters (sed 's/foo/bar/g; s/bar/baz/g' will substitute foo with baz ).

or Perl commands

```
perl -i -pe 's/foo/bar/g; s/baz/zab/g; s/Alice/Joan/g' file
```

 If you have a large number of patterns, it is easier to save your patterns and their replacements in a sed script file:

```
#! /usr/bin/sed -f
s/foo/bar/g
s/baz/zab/g
```

• Or, if you have too many pattern pairs for the above to be feasible, you can read pattern pairs from a file (two space separated patterns, \$pattern and \$replacement, per line):

```
while read -r pattern replacement; do
    sed -i "s/$pattern/$replacement/" file
done < patterns.txt</pre>
```

 That will be quite slow for long lists of patterns and large data files so you might want to read the patterns and create a sed script from them instead. The following assumes a <<!>space<!>> delimiter separates a list of MATCH<<!>space<!>>REPLACE pairs occurring one-per-line in the file

```
patterns.txt :

sed 's| *\([^ ]*\) *\([^ ]*\).*|s/\1/\2/g|' <patterns.txt |
sed -f- ./editfile >outfile
```

The above format is largely arbitrary and, for example, doesn't allow for a <<!>space<!>> in either of *MATCH* or *REPLACE*. The method is very general though: basically, if you can create an output stream which looks like a sed script, then you can source that stream as a sed script by specifying sed 's script file as - stdin.

• You can combine and concatenate multiple scripts in similar fashion:

```
SOME_PIPELINE |
sed -e'#some expression script' \
    -f./script_file -f- \
    -e'#more inline expressions' \
./actual_edit_file >./outfile
```

A POSIX sed will concatenate all scripts into one in the order they appear on the command-line. None of these need end in a \n ewline.

• grep can work the same way:

```
sed -e'#generate a pattern list' <in |
grep -f- ./grepped_file</pre>
```

 When working with fixed-strings as patterns, it is good practice to escape regular expression metacharacters. You can do this rather easily:

```
sed 's/[]$&^*\./[]/\\&/g
        s| *\([^]*\) *\([^]*\).*|s/\1/\2/g|
' <patterns.txt |
sed -f- ./editfile >outfile
```

# 5. Multiple replace operations: replace multiple patterns with the same string

```
• Replace any of foo, bar or baz with foobar
```

```
sed -Ei 's/foo|bar|baz/foobar/g' file
```

or

```
perl -i -pe 's/foo|bar|baz/foobar/g' file
```

Share Improve this answer edited Mar 13, 2021 at 21:33 community wiki

Follow 34 revs, 10 users 59% terdon



A good <u>repl</u>acement Linux tool is <u>rpl</u>, that was originally written for the Debian project, so it is available with apt-get install rpl in any Debian derived distro, and may be for others, but otherwise you can download the tar.gz file from <u>SourceForge</u>.



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Simplest example of use:



```
$ rpl old_string new_string test.txt
```

Note that if the string contains spaces it should be enclosed in quotation marks. By default rpl takes care of **capital letters** but not of **complete words**, but you can change these defaults with options -i (ignore case) and -w (whole words). You can also specify **multiple files**:

```
$ rpl -i -w "old string" "new string" test.txt test2.txt
```

Or even specify the **extensions** (-x) to search or even search **recursively** (-R) in the directory:

```
$ rpl -x .html -x .txt -R old_string new_string test*
```

You can also search/replace in **interactive mode** with -p (prompt) option:

The output shows the numbers of files/string replaced and the type of search (case in/sensitive, whole/partial words), but it can be silent with the -q (quiet mode) option, or even more verbose, listing line numbers that contain matches of each file and directory with -v (verbose mode) option.

Other options that are worth remembering are -e (honor escapes) that allow regular expressions, so you can search also tabs (\t ), new lines (\n ),etc. You can use -f to force permissions (of course, only when the user has write permissions) and -d to preserve the modification times`).

Finally, if you are unsure what exactly will happen, use the -s (simulate mode).

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edited Jul 14, 2020 at 16:51

Matthias Braun

6,697 6 38 47

answered Dec 27, 2015 at 8:06 Fran



**1,621** 1 14 8

- 3 So much better at the feedback and simplicity than sed. I just wish it allowed acting on file names, and then it'd be perfect as-is. Kzqai Dec 23, 2016 at 17:12
- 1 i like the -s (simulate mode) :-) m3nda Jun 10, 2018 at 11:08
- $1 \quad \text{sooo much better than } \text{sed}$  . golly Marc Compere Aug 3, 2020 at 17:26

thanks so much for this. sed is fine for simple replacements, but terrible for more complicated and longer strings – yeah22 Sep 15, 2020 at 19:02

1 For macOS, rpl is available from MacPorts. - murray Sep 23, 2020 at 20:49



How to do a search and replace over multiple files suggests:

28

You could also use find and sed, but I find that this little line of perl works nicely.





- -e means execute the following line of code.
- -i means edit in-place
- · -w write warnings
- -p loop over the input file, printing each line after the script is applied to it.

My best results come from using perl and grep (to ensure that file have the search expression )

```
perl -pi -w -e 's/search/replace/g;' $( grep -rl 'search' )
```

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edited Oct 19, 2015 at 21:38

Community Bot

answered Jan 16, 2015 at 14:02

Alejandro Salamanca Mazuelo

**433** 5 8



You can use Vim in Ex mode:

19

replace string ALF with BRA in all files in the current directory?



**(**)

```
for CHA in *
 ex -sc '%s/ALF/BRA/g' -cx "$CHA"
```

do the same recursively for sub directories?

```
find -type f -exec ex -sc '%s/ALF/BRA/g' -cx {} ';'
```

replace only if the file name matches another string?

```
for CHA in *.txt
 ex -sc '%s/ALF/BRA/g' -cx "$CHA"
done
```

replace only if the string is found in a certain context?

```
ex -sc 'g/DEL/s/ALF/BRA/g' -cx file
```

replace if the string is on a certain line number?

```
ex -sc '2s/ALF/BRA/g' -cx file
```

replace multiple strings with the same replacement

```
ex -sc '%s/\vALF|ECH/BRA/g' -cx file
```

replace multiple strings with different replacements

```
ex -sc '%s/ALF/BRA/g|%s/F0X/G0L/g' -cx file
```

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edited Apr 17, 2016 at 5:31

answered Apr 17, 2016 at 1:47

Zombo



Follow



I used this:

19

grep -r "old\_string" -l | tr '\n' ' ' | xargs sed -i 's/old\_string/new\_string/g'



**1** 

- 1. List all files that contain old\_string.
- 2. Replace newline in result with spaces (so that the list of files can be fed to sed.
- 3. Run sed on those files to replace old string with new.

**Update:** The above result will fail on filenames that contain whitespaces. Instead, use:

```
grep --null -lr "old_string" | xargs --null sed -i 's/old_string/new_string/g'
```

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edited May 9, 2016 at 7:34

shas **2,253** 4 15 28 answered Oct 26, 2015 at 16:58

1 Note that this will fail if any of your file names contain spaces, tabs or newlines. Use grep --null -lr "old\_string" | xargs --null sed -i 's/old\_string/new\_string/g' will make it deal with arbitrary file names. — terdon ◆ Oct 26, 2015 at 17:07 ✓

thanks guys. added update and left the old code cause it's an interesting caveat that could be useful to someone unaware of this behavior.  $-o_0_0$ -Oct 26, 2015 at 20:59  $\nearrow$ 



From a user's perspective, a nice & simple Unix tool that does the job perfectly is gsubst. For example,





% qsubst foo bar \*.c \*.h



will replace foo with bar in all my C files. A nice feature is that qsubst will do a *query-replace*, i.e., it will show me each occurrence of foo and ask whether I want to replace it or not. [You can replace unconditionally (no asking) with -go option, and there are other options, e.g., -w if you only want to replace foo when it is a whole word.]

How to get it: qsubst was invented by der Mouse (from McGill) and posted to comp.unix.sources 11(7) in Aug. 1987. Updated versions exist. For example, the NetBSD version qsubst.c, v 1.8 2004/11/01 compiles and runs perfectly on my mac.

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edited Jul 30, 2015 at 11:27

answered Jul 30, 2015 at 11:25





407 610

phs

**3** 3 11

Searched similar solution for Linux and found wrg script wrapper for ripgrep by lydell: <a href="mailto:github.com/BurntSushi/ripgrep/issues/74#issuecomment-309213936">github.com/BurntSushi/ripgrep/issues/74#issuecomment-309213936</a> – d9k Mar 20, 2021 at 23:32



red sky

ripgrep (command name rg) is a grep tool, but supports search and replace as well.

```
6
       $ cat ip.txt
       dark blue and light blue
       light orange
       blue sky
       $ # by default, line number is displayed if output destination is stdout
       $ # by default, only lines that matched the given pattern is displayed
       $ # 'blue' is search pattern and -r 'red' is replacement string
       $ rg 'blue' -r 'red' ip.txt
       1:dark red and light red
       3:red sky
       $ # --passthru option is useful to print all lines, whether or not it matched
       $ # -N will disable line number prefix
       $ # this command is similar to: sed 's/blue/red/g' ip.txt
       $ rg --passthru -N 'blue' -r 'red' ip.txt
       dark red and light red
       light orange
```

rg doesn't support in-place option, so you'll have to do it yourself

```
$ # -N isn't needed here as output destination is a file
$ rg --passthru 'blue' -r 'red' ip.txt > tmp.txt && mv tmp.txt ip.txt
$ cat ip.txt
dark red and light red
light orange
red sky
```

See <u>Rust regex documentation</u> for regular expression syntax and features. The -P switch will enable <u>PCRE2</u> flavor. rg supports Unicode by default.

```
$ # non-greedy quantifier is supported
$ echo 'food land bark sand band cue combat' | rg 'foo.*?ba' -r 'X'
Xrk sand band cue combat

$ # unicode support
$ echo 'fox:αλεπού, eagle:αετός' | rg '\p{L}+' -r '($0)'
(fox):(αλεπού), (eagle):(αετός)

$ # set operator example, remove all punctuation characters except . ! and ?
$ para='"Hi", there! How *are* you? All fine here.'
$ echo "$para" | rg '[[:punct:]--[.!?]]+' -r ''
Hi there! How are you? All fine here.

$ # use -P if you need even more advanced features
$ echo 'car bat cod map' | rg -P '(bat|map)(*SKIP)(*F)|\w+' -r '[$0]'
[car] bat [cod] map
```

Like grep, the -F option will allow fixed strings to be matched, a handy option which I feel sed should implement too.

```
$ printf '2.3/[4]*6\nfoo\n5.3-[4]*9\n' | rg --passthru -F '[4]*' -r '2'
2.3/26
foo
5.3-29
```

Another handy option is -u which enables multiline matching

```
$ # (?s) flag will allow . to match newline characters as well
$ printf '42\nHi there\nHave a Nice Day' | rg --passthru -U '(?s)the.*ice' -r ''
42
Hi Day
```

rg can handle dos-style files too

```
# same as: sed -E 's/\w+(\r?)$/123\1/'
$ printf 'hi there\r\ngood day\r\n' | rg --passthru --crlf '\w+$' -r '123'
hi 123
good 123
```

Another advantage of rg is that it is likely to be faster than sed

```
$ # for small files, initial processing time of rg is a large component
$ time echo 'aba' | sed 's/a/b/g' > f1
        0m0.002s
time echo 'aba' | rg --passthru 'a' -r 'b' > f2
real
        0m0.007s
$ # for larger files, rg is likely to be faster
$ # 6.2M sample ASCII file
$ wget https://norvig.com/big.txt
time LC_ALL=C sed 's/\bcat\b/dog/g' big.txt > f1
        0m0.060s
real
$ time rg --passthru '\bcat\b' -r 'dog' big.txt > f2
real
        0m0.048s
$ diff -s f1 f2
Files f1 and f2 are identical
time LC_ALL=C sed -E 's/\b(\w+)(\s+\1)+\b/\1/g' big.txt > f1
real
       0m0.725s
time\ rg\ --no-unicode\ --passthru\ -wP\ '(\w+)(\s+\1)+'\ -r\ '$1'\ big.txt > f2
       0m0.093s
real
$ diff -s f1 f2
Files f1 and f2 are identical
```

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edited Sep 4, 2020 at 6:47

answered Oct 8, 2019 at 5:29

Sundeep

**10.9k** 1 45 23

Follow



I needed something that would provide a dry-run option and would work recursively with a glob, and after trying to do it with awk and sed I gave up and instead did it in python.





The <u>script</u> searches recursively all files matching a glob pattern (e.g. --glob="\*.html") for a regex and replaces with the replacement regex:



```
find_replace.py [--dir=my_folder] \
   --search-regex=<search_regex> \
   --replace-regex=<replace_regex> \
   --glob=[glob_pattern] \
    --dry-run
```

Every long option such as --search-regex has a corresponding short option, i.e. -s . Run with -h to see all options.

For example, this will flip all dates from 2017-12-31 to 31-12-2017:

```
python replace.py --glob=myfile.txt \
    --search-regex="(\d{4})-(\d{2})-(\d{2})" \
   --replace-regex="\3-\2-\1" \
   --dry-run --verbose
import os
import fnmatch
import sys
import shutil
import re
import argparse
def find_replace(cfg):
   search_pattern = re.compile(cfg.search_regex)
   if cfg.dry_run:
       print('THIS IS A DRY RUN -- NO FILES WILL BE CHANGED!')
   for path, dirs, files in os.walk(os.path.abspath(cfg.dir)):
        for filename in fnmatch.filter(files, cfg.glob):
            if cfg.print_parent_folder:
                pardir = os.path.normpath(os.path.join(path, '...'))
                pardir = os.path.split(pardir)[-1]
                print('[%s]' % pardir)
            filepath = os.path.join(path, filename)
            # backup original file
            if cfg.create_backup:
                backup_path = filepath + '.bak'
                while os.path.exists(backup_path):
                    backup_path += '.bak'
                print('DBG: creating backup', backup_path)
                shutil.copyfile(filepath, backup_path)
            with open(filepath) as f:
                old_text = f.read()
```

```
all_matches = search_pattern.findall(old_text)
            if all_matches:
                print('Found {} matches in file {}'.format(len(all_matches),
filename))
                new_text = search_pattern.sub(cfg.replace_regex, old_text)
                if not cfg.dry_run:
                    with open(filepath, "w") as f:
                        print('DBG: replacing in file', filepath)
                        f.write(new_text)
                else:
                    for idx, matches in enumerate(all_matches):
                        print("Match #{}: {}".format(idx, matches))
                    print("NEW TEXT:\n{}".format(new_text))
            elif cfg.verbose:
                print('File {} does not contain search regex
"{}"'.format(filename, cfg.search_regex))
if __name__ == '__main__':
    parser = argparse.ArgumentParser(description='''DESCRIPTION:
    Find and replace recursively from the given folder using regular
expressions''',
formatter_class=argparse.RawDescriptionHelpFormatter,
                                     epilog='''USAGE:
    {0} -d [my_folder] -s <search_regex> -r <replace_regex> -g [glob_pattern]
    '''.format(os.path.basename(sys.argv[0])))
    parser.add_argument('--dir', '-d',
                        help='folder to search in; by default current folder',
                        default='.')
    parser.add_argument('--search-regex', '-s',
                        help='search regex',
                        required=True)
    parser.add_argument('--replace-regex', '-r',
                        help='replacement regex',
                        required=True)
    parser.add_argument('--glob', '-g',
                        help='glob pattern, i.e. *.html',
                        default="*.*")
    parser.add_argument('--dry-run', '-dr',
                        action='store_true',
                        help="don't replace anything just show what is going to
be done",
                        default=False)
    parser.add_argument('--create-backup', '-b',
                        action='store_true',
                        help='Create backup files',
                        default=False)
    parser.add_argument('--verbose', '-v',
                        action='store_true',
                        halm-Webau files which don't match the coord recevil
```

<u>Here</u> is an updated version of the script which highlights the search terms and replacements with different colors.

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**Follow** 

edited Dec 12, 2019 at 15:05

answered Nov 15, 2017 at 21:59



ccpizza

**1,435** 1 18 19

- 2 I don't understand why you would make something this complex. For recursion, use either bash's (or your shell's equivalent) globstar option and \*\* globs or find . For a dry run, just use sed . Unless you use the -i option, it won't make any changes. For a backup use sed -i.bak (or perl -i .bak); for files that don't match, use grep PATTERN file || echo file . And why in the world would you have python expand the glob instead of letting the shell do it? Why script.py --glob=foo\* instead of just script.py foo\*? terdon ♦ Nov 23, 2017 at 9:34
- 2 My why's are very simple: (1) above all, ease of debugging; (2) using only a single well documented tool with a supportive community (3) not knowing sed and awk well and being unwilling to invest extra time on mastering them, (4) readability, (5) this solution will also work on non-posix systems (not that I need that but somebody else might). ccpizza Nov 23, 2017 at 12:59



Here I use grep to tell if it is going to change a file (so I can count the number of lines changed, and replacements made, to output at the end), then I use sed to actually change the file. Notice the single line of sed usage at the very end of the Bash function below:





### replace\_str Bash function

Update: the below code has been upgraded and is now part of my <u>eRCaGuy\_dotfiles</u> project as "find and replace.sh" here. <-- I recommend you use this tool now instead.

### Usage:

```
gs_replace_str "regex_search_pattern" "replacement_string" "file_path"
```

### **Bash Function:**

```
# Usage: `gs_replace_str "regex_search_pattern" "replacement_string"
"file_path"`
gs_replace_str() {
    REGEX_SEARCH="$1"
    REPLACEMENT_STR="$2"
    FILENAME="$3"
    num_lines_matched=$(grep -c -E "$REGEX_SEARCH" "$FILENAME")
    # Count number of matches, NOT lines (`grep -c` counts lines),
    # in case there are multiple matches per line; see:
    # https://superuser.com/questions/339522/counting-total-number-of-matches-
with-grep-instead-of-just-how-many-lines-match/339523#339523
    num_matches=$(grep -o -E "$REGEX_SEARCH" "$FILENAME" | wc -1)
    # If num_matches > 0
    if [ "$num_matches" -gt 0 ]; then
        echo -e "\n${num_matches} matches found on ${num_lines_matched} lines in
file"\
                "\"${FILENAME}\":"
        # Now show these exact matches with their corresponding line 'n'umbers
in the file
        grep -n --color=always -E "$REGEX_SEARCH" "$FILENAME"
        # Now actually DO the string replacing on the files 'i'n place using the
`sed`
        # 's'tream 'ed'itor!
        sed -i "s|${REGEX_SEARCH}|${REPLACEMENT_STR}|g" "$FILENAME"
    fi
}
```

Place that in your ~/.bashrc file, for instance. Close and reopen your terminal and then use it.

# **Example:**

Replace do with bo so that "doing" becomes "boing" (I know, we should be fixing spelling errors not creating them:)):

```
$ gs_replace_str "do" "bo" test_folder/test2.txt

9 matches found on 6 lines in file "test_folder/test2.txt":
1:hey how are you doing today
2:hey how are you doing today
3:hey how are you doing today
4:hey how are you doing today hey how are you doing today hey how are you doing today hey how are you doing today
5:hey how are you doing today
6:hey how are you doing today?
$SHLVL:3
```

Screenshot of the output, to show the matched text being highlighted in red:

```
9 matches found on 6 lines in file "test_folder/test2.txt":
1:hey how are you doing today
2:hey how are you doing today
3:hey how are you doing today
4:hey how are you doing today
4:hey how are you doing today hey how are you doing today hey how are you doing today
5:hey how are you doing today
6:hey how are you doing today?
```

### **References:**

- 1. <a href="https://superuser.com/questions/339522/counting-total-number-of-matches-with-grep-instead-of-just-how-many-lines-match/339523#339523">https://superuser.com/questions/339522/counting-total-number-of-matches-with-grep-instead-of-just-how-many-lines-match/339523#339523</a>
- 2. <a href="https://stackoverflow.com/questions/12144158/how-to-check-if-sed-has-changed-a-file/61238414#61238414">https://stackoverflow.com/questions/12144158/how-to-check-if-sed-has-changed-a-file/61238414#61238414</a>

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edited Dec 17, 2021 at 18:56

answered Apr 15, 2020 at 21:12

Guy 1,408 16 19

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I just wrote a wrapper around RipGrep to give it this feature. I call it rgr for RipGrep Replace, since it will do the find-and-replace feature on your disk. See installation instructions at the top of the file here: <a href="https://github.com/ElectricRCAircraftGuy">https://github.com/ElectricRCAircraftGuy</a> /eRCaGuy dotfiles/blob/master/useful scripts/rg replace.sh



Example usage from rgr -h:

```
EXAMPLE USAGES:
   rgr foo -r boo
       Do a *dry run* to replace all instances of 'foo' with 'boo' in this
folder and down.
   rgr foo -R boo
       ACTUALLY REPLACE ON YOUR DISK all instances of 'foo' with 'boo' in this
folder and down.
   rgr foo -R boo file1.c file2.c file3.c
       Same as above, but only in these 3 files.
   rgr foo -R boo -g '*.txt'
       Use a glob filter to replace on your disk all instances of 'foo' with
'boo' in .txt files
       ONLY, inside this folder and down. Learn more about RipGrep's glob
feature here:
       https://github.com/BurntSushi/ripgrep/blob/master/GUIDE.md#manual-
filtering-globs
   rgr foo -R boo --stats
       Replace on your disk all instances of 'foo' with 'boo', showing detailed
statistics.
```

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answered Jan 4 at 7:24 **RCa** Gabriel Staples **GUY 1,408** 16 19

