

FIND TUTORIAL

- 1) finding files, directories, file contents. No additional installation needed.
- 2) find file someFile.txt in current directory:
 `#find `pwd` -name '*someFile*'`
 same find in whole computer:
 `#sudo find / -name '*someFile*'`
- 3) find directory someDir in current directory:
 `#find `pwd` -type d -name '*someDir*'`
- 4) find and delete file (find files first to see what you want to delete!):
 `#find `pwd` -name '*someFile*' -exec rm -rf {} \;`
- 5) find files containing string „some” and does not containing „File” in current directory:
 `#find `pwd` -name '*some*' -and -not -name '*File*'`
- 6) find content in file searching directory path:
 `#grep -rnw '/path/to/somewhere/' -e "pattern"`
 -r recursive
 -n line number
 -w whole word
- 7) find content in file type (ending with *.cpp and *.hpp) searching directory path:
 `#grep --include=*. {cpp,hpp} -rnw '/path/to/somewhere/' -e "pattern"`
- 8) find content in files recursively in directories and replace with string (use with care – it could damage files, for example mp3):
 `#find . -type f -exec sed -i 's/findThisString/ReplaceWithThisString/g' {} +`
 in case of file content is path string value prepend slash:
 `"/home/path/file/content" => "\home\path\file\content"`
- 9) find space characters in filenames and replace it with underline:
 `#sudo aptitude install rename`
 `#rename 's/ /_/g'`
- 10) find file & chmod:
 `# sudo find `pwd` -name '*searchForThat*' -type f | xargs chmod 777`
- 11) custom find function in ~/.bashrc file
 `# vim ~/.bashrc`
 `# afind() {`
 `find `pwd` -name $1`
 `}`
 `#afind *searchForThat*`
- 12) find and count results
 `#find `pwd` -name '*' | wc -l`
- 13) find and copy results to folder
 `#find . -name '*searchForThat*' -exec cp {} '/path/to/somewhere/' \;`