

# CheatSheet: Linux Find

## LINUX

- PDF Link: [cheatsheet-find-A4.pdf](#)
- Blog URL: <https://cheatsheet.dennyzhang.com/cheatsheet-find-A4>
- Category: tools

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See more CheatSheets from Denny: [#denny-cheatsheets](#)

## 1.1 find basic usage

Name	Summary
Basic find	<code>find /home/mac/&lt;myfolder&gt; -name "my*.log"</code>
Find files with two patterns	<code>find . -iname "my*.log" -o -iname "my*.txt"</code>
Find folder old than 3 days	<code>find . -maxdepth 1 -type d -ctime +3</code>
Find files changed within 60 minutes	<code>find /var/log -mmin 60 -type f</code>
Find with ls details	<code>find . \( -iname README.md \) -ls</code>
Find files filtered by size	<code>find /var/log -type f -size +50k -size -100k</code>
Find files older than another file	<code>find . -newer /tmp/file</code>
Find files while excluding patterns	<code>find . -name "*.log" -prune -o -name ".git" -prune -o -type f -print0</code>

- Find with grep

```
find /home/mac/devstack -name "*.log" -prune -o \
  -name "data" -prune -o -type f \
  -print0 | xargs -0 -e grep '172.16.33' /opt/stack
```

- Find files and sort by modify time

```
find /var/lib/jenkins/jobs -name config.xml -printf '%T@ %p\n' \
  | sort -n | tail -n 1 | awk -F' ' '{print $2}'
```

## 1.2 Find and delete

Name	Summary
Find and delete with given names	<code>find . -name Thumbs.db -delete</code>
Recursively delete empty folders	<code>find . -type d -empty -delete</code>
Delete files haven't been updated in 5 days	<code>find . -mtime +5 -exec rm {} \;</code>
Delete folders created older than 5 days	<code>find . -name "npm-*" -type d -ctime +2 -exec rm -rf {} +</code>

## 1.3 Misc

Name	Summary
Find file encoding	<code>file -i /var/log/corecaptured.log</code>

## 1.4 More Resources

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