

# 1 CheatSheet: Linux Find

# LINUX

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