Files

Special

- find files not readable by others:

```
sudo find -H / ! -perm -o=r -exec ls -ld '{}' \; 2>/dev/null
```

- remove all `.DS_Store` files below users home directory:

```
cd && find . -iname '.DS_Store' -a -not -ipath './Library/*' -delete
2>/dev/null
```

Flags

- show file flags: `ls -lO`
- add a flag: `sudo chflags <flag> <file>`, with `flag`:
  - `hidden`: hidden (for example `~/Library`);
  - `arch`, `archived`: archived;
  - `nodump`: ;
  - `opaque`: ;
  - `sappnd`, `sappend`: system append-only;
  - `schg`, `schange`, `simmutable`: system immutable;
  - `uappnd`, `uappend`: user append-only;
  - `uchg`, `uchange`, `uimmutable`: user immutable;
- remove a flag: `sudo chflags no<flag> <file>`

Attributes

- find all files having `quarantine` attribute

```
sudo find / -user <user> -a -xattrname com.apple.quarantine 2>/dev/null
```

- remove `quarantine` file attribute, recursively

```
sudo xattr -r -d com.apple.quarantine /path/to/dir
```

- show file attributes: `ls -l@`

Tags

(*Finder*) file tags are coded as file attributes in *Apple* File System (*APFS*).

- find files having assigned a(ny) tag

```
mdfind 'kMDItemUserTags == "*"'
mdls -name kMDItemUserTags <files>
find . -xattrname com.apple.metadata:_kMDItemUserTags -print -exec mdls
-name kMDItemUserTags '{}' ";" 2>/dev/null
```

- force deletion of tags from file (x)attributes

```
xattr -d com.apple.metadata:_kMDItemUserTags <files>
```

From:
https://wiki.rho62.de/ - **rho62 Wiki**

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Last update: **2026/04/08 08:11**