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Hard link

- ✓ ⇒ Hard link files are created using ln command
- ✓ ⇒ when Hard link files are created link count is updated.
- ✓ ⇒ In case of Hard link files Inode numbers are same

soft link

- ✓ ⇒ soft link files are created using ln -s command (symbolic link)
- ✓ ⇒ link count not updated
- ⇒ In case of soft link Inode numbers are different.
(short cut files)

✓⇒ If the two files are hard link files size of the files are same

✓⇒ If the two files are soft link files, then link file size depends on original file name number of characters.

✓⇒ If a file is deleted link count decremented, If suppose link count is 1 then file deleted means content also deleted.

✓⇒ If a file is deleted link count not effected

⇒ If two files are hard link files
in that if we deleted original
file still it is possible to get
the data by using other file

```
$ cat > f1
abcd
$ ln f1 f2
      ↓      ↓
    original file hard link
$ rm f1
$ cat f2 ✓
```

⇒ If two files are
soft link files, if
we deleted original file
it is not possible to
get the data using ln -s

```
$ cat > f1
abcd
$ ln -s f1 f2
$ rm f1 ✓
$ cat f2 ⊗ not possible
```


✓ \Rightarrow Hard link files are
regular files

✓ \Rightarrow Soft link files are
type belongs to link file

\$ ln -s f_1 f_2
 \Downarrow
original \rightarrow link file

$f_2 \rightarrow f_1$
 \Downarrow
($\&$ shortcut file)