Useful links

<https://www.cyberciti.biz/faq/linux-ls-command-sort-by-file-size/>

<https://unix.stackexchange.com/questions/53737/how-to-list-all-files-ordered-by-size>

https://www.rapidtables.com/code/linux/ls/ls-s.html

ls -s/-S command in Linux

ls -s option flag lists file size.

ls -S option flag sorts files/directories list by file size.

* [ls -s](https://www.rapidtables.com/code/linux/ls/ls-s.html#size)
* [ls -S](https://www.rapidtables.com/code/linux/ls/ls-s.html#sort-size)

ls -s

ls -s option flag lists file size.

Syntax

$ ls -s [*options*] [*file*|*dir*]

Examples

Default listing :

$ ls  
Desktop   Downloads Pictures Templates Videos  
Documents Music     Public   todo.txt  
$

List with file size:

$ ls -s  
total 4  
0 Desktop   0 Downloads 0 Pictures 0 Templates 0 Videos  
0 Documents 0 Music     0 Public   4 todo.txt  
$

Long listing format with file size:

$ ls -ls  
total 4  
0 drwxr-xr-x 2 user user   80 2011-08-17 16:52 Desktop  
0 drwxr-xr-x 2 user user   40 2011-08-17 16:52 Documents  
0 drwxr-xr-x 2 user user   40 2011-08-17 16:52 Downloads  
0 drwxr-xr-x 2 user user   40 2011-08-17 16:52 Music  
0 drwxr-xr-x 2 user user  120 2011-08-17 18:14 Pictures  
0 drwxr-xr-x 2 user user   40 2011-08-17 16:52 Public  
0 drwxr-xr-x 2 user user   40 2011-08-17 16:52 Templates  
4 -rw-r--r-- 1 user user  131 2011-08-17 18:07 todo.txt  
0 drwxr-xr-x 2 user user   40 2011-08-17 16:52 Videos  
$

ls -S

ls -S option flag sorts files/directories list by file size.

Syntax

$ ls -S [*options*] [*file*|*dir*]

Examples

Default list:

$ ls  
Desktop   Downloads Pictures Templates Videos  
Documents Music     Public   todo.txt  
$

List sorted by file size:

$ ls -S  
todo.txt Desktop   Downloads Public    Videos  
Pictures Documents Music     Templates  
$

Long listing format sorted by file size:

$ ls -lS  
total 4  
-rw-r--r-- 1 user user 131 2011-08-17 18:07 todo.txt  
drwxr-xr-x 2 user user 120 2011-08-17 18:14 Pictures  
drwxr-xr-x 2 user user  80 2011-08-17 16:52 Desktop  
drwxr-xr-x 2 user user  40 2011-08-17 16:52 Documents  
drwxr-xr-x 2 user user  40 2011-08-17 16:52 Downloads  
drwxr-xr-x 2 user user  40 2011-08-17 16:52 Music  
drwxr-xr-x 2 user user  40 2011-08-17 16:52 Public  
drwxr-xr-x 2 user user  40 2011-08-17 16:52 Templates  
drwxr-xr-x 2 user user  40 2011-08-17 16:52 Videos  
$

ls -r -R command in Linux

ls -r option flag lists files/directories in reverse order.

ls -R option flag lists directory tree recursively.

* [ls -r](https://www.rapidtables.com/code/linux/ls/ls-r.html#reverse)
* [ls -R](https://www.rapidtables.com/code/linux/ls/ls-r.html#recursive)

ls -r

ls -r option flag lists files/directories in reverse order.

Syntax

$ ls -r [*options*] [*file*|*dir*]

Examples

Default list:

$ ls  
Desktop   Downloads Pictures Templates Videos  
Documents Music     Public   todo.txt  
$

List in reverse order:

$ ls -r  
Videos   Templates Pictures Downloads Desktop  
todo.txt Public    Music    Documents  
$

Long listing format in reverse order:

$ ls -lr  
total 4  
drwxr-xr-x 2 user user  40 2011-08-17 16:52 Videos  
-rw-r--r-- 1 user user 131 2011-08-17 18:07 todo.txt  
drwxr-xr-x 2 user user  40 2011-08-17 16:52 Templates  
drwxr-xr-x 2 user user  40 2011-08-17 16:52 Public  
drwxr-xr-x 2 user user 120 2011-08-17 18:14 Pictures  
drwxr-xr-x 2 user user  40 2011-08-17 16:52 Music  
drwxr-xr-x 2 user user  40 2011-08-17 16:52 Downloads  
drwxr-xr-x 2 user user  40 2011-08-17 16:52 Documents  
drwxr-xr-x 2 user user  80 2011-08-17 16:52 Desktop  
$

Long listing format sorted by date/time in reverse order:

$ ls -ltr  
total 4  
drwxr-xr-x 2 user user  40 2011-08-17 16:52 Videos  
drwxr-xr-x 2 user user  40 2011-08-17 16:52 Templates  
drwxr-xr-x 2 user user  40 2011-08-17 16:52 Public  
drwxr-xr-x 2 user user  40 2011-08-17 16:52 Music  
drwxr-xr-x 2 user user  40 2011-08-17 16:52 Downloads  
drwxr-xr-x 2 user user  40 2011-08-17 16:52 Documents  
drwxr-xr-x 2 user user  80 2011-08-17 16:52 Desktop  
-rw-r--r-- 1 user user 131 2011-08-17 18:07 todo.txt  
drwxr-xr-x 2 user user 120 2011-08-17 18:14 Pictures  
$