Linux commands for beginners Cheat Sheet

by dbeauvais via cheatography.com/70040/cs/17759/

Tree exploration

Go inside a directory	`cd /a/dir ect roy /name`
List directory elements	`ls -lrt`
Print current directory	`pwd`
List 10 biggers directories	`du -sh * | sort -h | tail`
Find ksh scripts containing a pattern	`grep -R pattern . --include=*.ksh`
Find all files older than 3 days	`find . -maxdepth 1 -type f -mtime +2`

Process information

List the process tree of a user	`ps --forest -fu user`
Check if a script is running	`pgrep -af script_name`

File display

Print all the content file	`cat file`
Print the first 20 lines	`head -20 file`
Print the last 30 lines	`tail -30 file`
Print the last lines as the file grows	`tail -f file`
Print the line number of a file	`wc -l < file`

File manipulation

Move a file from dir1 to dir2	`mv /dir1/file /dir2/`
Rename a file	`mv file_name new_fi le_nam e`
Add execution permission for the user	`chmod u+x file`

File manipulation in row

Split one line into several lines of a fixed size	`echo "abcde" | fold -c3`
Union of file1 and file2	`cat file1 file2`
Intersection of file1 with file2	`grep -Ff file2 file1`
Exclusion of file2 from file1	`grep -Fvf file2 file1`

File manipulation in column

Append a string at each start of line	`sed " s/^ /st art /" fil e`
Append a string at each end of line	`sed " s/$ /en d/" file`
Print columns 2 and 4 of a csv file	`cut -d";" -f2,4 file.csv`
Concatenate two files in column	`paste -d"; " file1 file2`

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