

My list of the essential linux commands

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May these notes help you in your journey!

Command **Description**

ls Lists all files and directories in the present working directory
ls * Lists files in sub-directories as well
ls -a Lists hidden files as well
ls -l to show file type and access permission
ls -rtl List in detail in reverse order
pwd Displays the current working directory
cd or cd ~ Navigate to HOME directory
cd .. Move one level up
cd directory To change to a particular directory
cd / Move to the root directory
touch filename Creates a file with the given name
cat filename Displays the file content
cat file1 file2 > file3 Joins two files (file1, file2) and stores the output in a new file (file3)
paste file1 file2 > file3 Joins two files (file1, file2) and stores the output in a new file (file3) in a column-like style
mv file "new file path" Moves the files to the new location
mv filename new_file_name Renames the file to a new filename
rm filename Deletes a file
rm * Deletes every file in the given directory **(!!!!)**
mkdir directoryname Creates a new directory in the present working directory or a at the specified
rmdir / rm -r Deletes a directory
echo \$VARIABLE To display value of a variable
echo "Hello" Prints Hello

head -20 file Shows first 20 lines in a file
tail -20 file Shows last 20 lines in a file
diff file1 file2 Shows the difference between two files
wc -l file Shows the number of lines in the file
grep -n "34.45" file Finds the "string" and prints as an output the line number
sed 's/old/new/g' file replaces "old" with "new" globally (g) in the file
echo \$PATH Shows the stored paths to executables
echo \$HOME Shows the path to home directory
find . -name *.txt finds all files in the given directory with suffix txt and prints the path
man Gives help information on a command
history Gives a list of all past commands typed in the current terminal session
clear Clears the terminal path shows the location of the file

chmod u+x bash.sh Adds rights to execute for user
sudo Allows regular users to run programs with the security privileges of the superuser or root
sudo adduser username To add a new user
sudo passwd -l 'username' To change the password of a user

ssh username@ip-address or hostname login into a remote Linux machine using SSH

./program.sh runs a bash script
Ctrl + C Kill process running in the terminal
top Details on all Active Processes
jobs Shows running jobs
kill %number of the process Kills a process