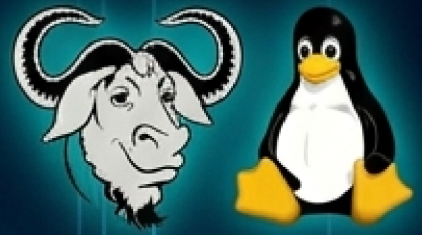


FREE EBOOK

LEARN GNU/Linux

one Commands a Day



ping



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LEARN GNU/LINUX

ONE COMMAND A DAY

A FREE E-BOOK BROUGHT TO YOU BY IBOLCODE

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INTRODUCTION

This short ebook is a compendium of everyday GNU/Linux commands that any user should know. The booklet includes a command per-page and it's intended to introduce you to one command every single day.

This is not the classical book about GNU/Linux that will give you a detailed description about each command. There is no need for that, the man pages in your system already gives you all the details and information you may ever need. The booklet is intended for you to discover one command every day, get a rough idea of what it does and then you can go deeper into how to use it.

The booklet is autogenerated from the Ibolcode's website section "The Command of The Day", where you'll find the same commands on line if you prefer. The website section will be run for a complete year until one command per day is shown. The booklet will be updated weekly to include the commands added every week and eventually it'll be completed.

You can check all this commands on-line at:

<https://ibolcode.net>

LS

LIST DIRECTORY CONTENTS

- `ls -l`
Long listing including details
- `ls -a`
List hidden files
- `ls -t`
List files sorted by modification time
- `ls -r bar`
List directory recursively
- `ls -S`
List files sorted by size
- `ls -Z`
Shows SeLinux context if any
- `ls -m`
Outputs items separated by commas
- `ls -i`
Outputs the associated inode



CHANGE CURRENT DIRECTORY

- `cd ..`
Change to parent dir
- `cd ~`
Change to home dir
- `cd ~user1`
Change to home dir of user user1
- `cd -`
Change to previous dir

PWD

PRINT CURRENT WORKING DIRECTORY

- `pwd`
Print current working directory
- `pwd -L`
Logical, do not follow symlinks
- `pwd -P`
Physical follows symlinks

MKDIR

CREATE DIRECTORIES

- `mkdir bar`
Create directory bar
- `mkdir bar1 bar2`
Creates directories bar1 and bar2
- `mkdir bar{1,2}`
Creates directories bar1 and bar2
- `mkdir -m 700 bar`
Create directory with specific permission
- `mkdir -p a/b/c`
Create a directory path
- `mkdir data-\$(date +%Y-%m-%d)`
Create folder named against current date
- `mkdir bar \&\& cd \$\_`
Create bar and move into it

RMDIR

REMOVE EMPTY DIRECTORIES

- `rmdir bar`
Remove directory bar
- `rmdir -p /a/b/c`
Removes directory and all ancestors
- `find . -type d -empty -exec rmdir {} \;`
Remove empty directories

RM

REMOVE FILES/DIRECTORIES

- `rm file`
Remove File
- `rm -r dir`
Remove File recursively
- `rm -rf dir`
Remove all Files recursively and bar (force)
- `rm -i dir/*`
Removes all files in bar interactively
- `rm -I dir/*`
Removes all files in bar only asking once before removing more than 3 files
- `rm -- -file`
Removes file starting with -

CP

COPY FILES/DIRECTORIES

- `cp file1 file2`
Copy foo1 into foo2
- `cp -r dir1 dir2`
Copy recursively bar1 into bar2
- `cp -a dir1 dir2`
Copy recursively bar1 into bar2 keeping file attributes
- `cp -u file dir/`
Only copies if source is newer than destination
- `cp -i file dir/`
Interactive overwrite protection
- `cp file{,.bak}`
Create a backup copy of file

mv

MOVE OR RENAME FILES

- `mv file1 file2`
Rename a file
- `mv -b file1 file2`
Makes a backup of bar if it exists
- `mv -i dir1 dir2`
Moves files and interactively ask to overwrite target if exists
- `mv -n file dir/`
Moves if destination doesn't exist
- `mv file dir/`
Move a file into a directory
- `for f in *.txt; do mv "$f" "${f%.txt}.md"; done`
Converts all .txt to .md (f%.txt strips extension)
- `find . -type f -mtime +7 -exec mv {} archive/ \;`
Move files older than 7 days
- `mv -- -file new\_file`
Move files starting with -

TOUCH

CREATE EMPTY FILE/UPDATE TIMESTAMP

- `touch file1 file2`
Create file1 and file2 files. Update timestamp if files exist
- `touch file{1..10}.txt`
Creates 10 files
- `touch dir/{a,b}`
Creates files dir/a and dir/b
- `touch -a file`
Change access time of foo
- `touch -m file`
Change modification time of foo
- `touch -r file1 file2`
Uses times from file1 instead of current time
- `touch -t 202601012310 file`
Changes foo timestamp to 1 Jan 2026 23 10
- `find . -exec touch {} \;`
Update timestamps recursively

STAT

DISPLAY FILE METADATA

- `stat file`
Displays foo metadata
- `stat -t file`
Terse format (all data in 1 line)
- `stat -f mount\_point`
Displays file system metadata
- `stat -c "%n %s %y" file`
Shows name, size and timestamp
- `stat -c "%i" file`
Get inode number
- `stat -c "%F" file`
Type of file

FILE

DETECT FILE TYPE

- `file file`
Shows type of file. Identifies scripts, binaries, compression,...
- `file -i file`
Shows MIME type of file

TREE

DISPLAY DIRECTORY TREE

- `tree`
Shows directory as a tree
- `tree dir`
Shows directory tree for path dir
- `tree -L 2`
Shows tree directory up to level 2
- `tree -d`
Shows only directories
- `tree -a`
Shows hidden files
- `tree -h --sort=size`
Shows file size human readable sorted by size
- `tree -H dir -o list.html`
Generates a browsable HTML file
- `tree -P "*.py" --prune`
Shows only python file and remove empty branches

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