Sistema

Información sobre la distribución

- cat /etc/issue
- lsb release -a
- cat /etc/*-release

```
kali@kali:~$ cat /etc/issue
Kali GNU/Linux Rolling \n \l
kali@kali:~$ lsb release -a
No LSB modules are available.
Distributor ID: Kali
Description:
                  Kali GNU/Linux Rolling
Release: 2023.3
Codename: kali-rolling
kali@kali:~$ cat /etc/*-release
PRETTY NAME="Kali GNU/Linux Rolling"
NAME="Kali GNU/Linux"
VERSION_ID="2023.3"
VERSION="2023.3"
VERSION_CODENAME=kali-rolling
ID=kali
ID LIKE=debian
HOME URL="https://www.kali.org/"
SUPPORT URL="https://forums.kali.org/"
BUG REPORT URL="https://bugs.kali.org/"
ANSI COLOR="1;31"
```

Información sobre el kernel

- uname -a
- cat /proc/version

```
kali@kali:~$ uname -a
Linux kali 6.5.0-kali2-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.5.3-1kali2 (2023-10-03)
x86_64 GNU/Linux
kali@kali:~$ cat /proc/version
Linux version 6.5.0-kali2-amd64 (devel@kali.org) (gcc-13 (Debian 13.2.0-4) 13.2.0, GNU
ld (GNU Binutils for Debian) 2.41) #1 SMP PREEMPT_DYNAMIC Debian 6.5.3-1kali2 (2023-10-03)
```

Hora, zona horaria y tiempo funcionamiento

- date
- timedatectl
- uptime

NTP service: n/a

```
RTC in local TZ: no

kali@kali:~$ uptime
10:10:39 up 8 min, 2 users, load average: 0,15, 0,18, 0,13

• last reboot → últimos reinicios

kali@kali:~$ last reboot
reboot system boot 6.5.0-kali2-amd6 Mon Nov 13 10:01 still running
reboot system boot 6.5.0-kali2-amd6 Tue Oct 17 16:55 - 17:04 (00:08)
reboot system boot 6.1.0-kali9-amd6 Tue Oct 17 16:34 - 16:56 (00:22)
reboot system boot 6.1.0-kali7-amd6 Sun Jun 4 19:45 - 21:06 (01:21)
reboot system boot 6.1.0-kali7-amd6 Tue May 30 12:44 - 12:53 (00:09)
```

Software instalado

- dpkg -1 → listado paquetes instalados (sistemas debian/ubuntu)
- rpm --query --all → listado paquetes instalados (sistemas red hat)

```
kali@kali:~$ dpkg -l | head
Deseado=desconocido(U)/Instalar/eliminaR/Purgar/retener(H)
| Estado=No/Inst/ficheros-Conf/desempaqUetado/medio-conF/medio-inst(H)/espera-
disparo(W)/pendienTe-disparo
|/ Err?=(ninguno)/requiere-Reinst (Estado, Err: mayúsc.=malo)
| | / Nombre
Arquitectura Descripción
______
ii accountsservice
                                      23.13.9-4
amd64 query and manipulate user account information
ii acl
amd64 access control list - utilities
ii adduser
                                      3.137
all
         add and remove users and groups
ii adwaita-icon-theme
                                      45.0-1
   default icon theme of GNOME
all
ii aircrack-ng
                                      1:1.7-5
amd64 wireless WEP/WPA cracking utilities
```

Tareas programadas

- cat /etc/crontab
- ls -lhF /etc/cron*

```
kali@kali:~$ cat /etc/crontab
# /etc/crontab: system-wide crontab
# Unlike any other crontab you don't have to run the `crontab'
# command to install the new version when you edit this file
# and files in /etc/cron.d. These files also have username fields,
# that none of the other crontabs do.

SHELL=/bin/sh
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/bin
# Example of job definition:
# .------ minute (0 - 59)
# | .----- hour (0 - 23)
# | .----- day of month (1 - 31)
```

```
# | | | .----- month (1 - 12) OR jan, feb, mar, apr ...
# | | | | .--- day of week (0 - 6) (Sunday=0 or 7) OR sun, mon, tue, wed, thu, fri, sat
# | | | | | |
# * * * * * user-name command to be executed
17 * * * * root cd / && run-parts --report /etc/cron.hourly
25 6 * * * root test -x /usr/sbin/anacron || { cd / && run-parts --report /etc/cron.daily; }
47 6 * * 7 root test -x /usr/sbin/anacron || { cd / && run-parts --report /etc/cron.weekly; }
52 6 1 * * root test -x /usr/sbin/anacron || { cd / && run-parts --report /etc/cron.monthly; }
```

Hardware

cpu

- lscpu
- · cat /proc/cpuinfo

```
kali@kali:~$ lscpu
 CPU op-mode(s): 32-bit, 64-bit
Address sizes: 48 bits physical, 48 bits virtual
Byte Order: Little Endian
                        x86 64
Architecture:
CPU(s):
 On-line CPU(s) list: 0,1
                  AuthenticAMD
Vendor ID:
                        AMD Ryzen 7 5700U with Radeon Graphics
 Model name:
   CPU family:
                         104
    Model:
    Thread(s) per core: 1
    Core(s) per socket: 2
    Socket(s):
    Stepping:
    BogoMIPS:
                         3593,24
    Flags:
                         fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov
pat pse36 clflush mmx fxsr sse
                          sse2 ht syscall nx mmxext fxsr opt rdtscp lm constant tsc
rep_good nopl nonstop_tsc cpuid e
                         xtd apicid tsc known freq pni pclmulqdq ssse3 cx16 sse4 1
sse4 2 x2apic movbe popcnt aes xsa
                         ve avx rdrand hypervisor lahf lm cmp legacy cr8 legacy abm
sse4a misalignsse 3dnowprefetch s
                         sbd vmmcall fsgsbase avx2 rdseed clflushopt arat
Virtualization features:
 Hypervisor vendor: KVM
 Virtualization type: full
```

discos, particiones, sistema de ficheros

- lsblk
- fdisk -1 → particiones
- cat /etc/fstab → particiones y opciones de montaje
- df -h → espacio usado

```
kali@kali:~$ lsblk
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
```

```
sda
_sda2 8:2 0 1K 0 part
_sda5 8:5 0 5,3G 0 part [SWAP]
sr0
      11:0 1 1024M 0 rom
kali@kali:~$ sudo fdisk -1
[sudo] contraseña para kali:
Disk /dev/sda: 50 GiB, 53687091200 bytes, 104857600 sectors
Disk model: VBOX HARDDISK
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: 0x873880d9
Device Boot Start
                             End Sectors Size Id Type
/dev/sda1 *
                2048 93749247 93747200 44,7G 83 Linux
/dev/sda2
               93751294 104855551 11104258 5,3G 5 Extended
              93751296 104855551 11104256 5,3G 82 Linux swap / Solaris
kali@kali:~$ cat /etc/fstab
# /etc/fstab: static file system information.
# Use 'blkid' to print the universally unique identifier for a
# device; this may be used with UUID= as a more robust way to name devices
# that works even if disks are added and removed. See fstab(5).
# systemd generates mount units based on this file, see systemd.mount(5).
# Please run 'systemctl daemon-reload' after making changes here.
# <file system> <mount point>
                              <type> <options> <dump> <pass>
# / was on /dev/sda1 during installation
UUID=683485be-1136-4ba7-9a1d-35d758e08ab7 /
                                                         ext4
                                                                errors=remount-ro 0
# swap was on /dev/sda5 during installation
UUID=9372271c-09b4-4217-b179-84df4b9b84d6 none
                                                                                0
                                                        swap
                                                                SW
0
               /media/cdrom0 udf,iso9660 user,noauto 0 0
/dev/sr0
kali@kali:~$ df -h
S.ficheros Tamaño Usados Disp Uso% Montado en
                1,9G 0 1,9G 0% /dev
392M 1,1M 391M 1% /run
udev
tmpfs
                      26G 17G 62% /
0 2,0G 0% /dev/shm
0 5,0M 0% /run/loc
/dev/sda1
                44G 26G
tmpfs
                2,0G
tmpfs
                5,0M
                                  0% /run/lock
Descargas
                468G 215G 254G 46% /media/sf_Descargas
                392M 124K 392M 1% /run/user/1000
tmpfs
```

La gran mayoría de los sistemas Linux se amoldan al el estándar de jerarquía de archivos (FHS o *Filesystem Hierarchy Standard*), siendo los directorios más importantes son:

-	·
Directorio	Usos
/bin	contiene comandos básicos (cp, mv, ls, rm. mkdir, cat,)
/sbin	contiene comandos de administración del sistema que generalmente los usa el administrador (fdisk, iptables, sysctl)
/etc	contiene archivos de configuración global que determinan el comportamiento del sistema para todos los usuarios
/usr/bin	contiene aplicaciones como apt, nmap, ncat,
/usr/share	contiene el man y ficheros de apoyo para aplicaciones
/root	Directorio personal del superusuario root

Directorio	Usos
/home	Contiene los directorios personales de los usuarios
/media	Usado como punto de montaje para discos duros y dispositivos removibles como USB, Cds,
/mnt	Usado como punto de montaje para sistemas de archivos en red

memoria

• free -h O free -m

kali@kali:~\$ free -h usado libre compartido búf/caché disponible 816Mi 2,8Gi 1,8Mi 464Mi 3,0Gi 0B 5,3Gi total 3,8Gi 5,3Gi Mem: 0B Inter: 5,3Gi

Procesos

- ps
- ps -ef 0 ps aux \rightarrow listar todos los procesos
- ps -ejH O ps axjf O pstree listar todos los procesos en forma de árbol

```
kali@kali:~$ ps
   PID TTY
                  TIME CMD
   1974 pts/1 00:00:05 zsh
   2703 pts/1 00:00:00 ps
kali@kali:~$ ps -ef
kali@kali:~$ ps axjf
 PPID PID PGID SID TTY TPGID STAT UID TIME COMMAND
                                 -1 Ss 0 0:00 sshd: /usr/sbin/sshd
        1942 1942 1942 ?
-D [listener] 0 of 10-100 sta
                                                 0

      1942
      1955
      1955
      1955
      ?

      1955
      1967
      1955
      1955
      ?

                                        -1 Ss
                                                       0:00 \_ sshd: kali [priv]
                                        -1 Ss 0
-1 S 1000
                                                      0:00 \ sshd:
kali@pts/1
  1967 1974 1974 pts/1 2727 Ss 1000 0:06 \_ -zsh
```

• top 0 htop → visualización de procesos en tiempo real

```
top - 10:34:10 up 32 min, 2 users, load average: 0,04, 0,05, 0,06

Tareas: 151 total, 1 running, 150 sleeping, 0 stopped, 0 zombie

Cpu(s): 0,2 us, 0,2 sy, 0,0 ni, 99,5 id, 0,0 wa, 0,0 hi, 0,2 si, 0,0 st

MiB Mem : 3913,1 total, 2841,4 free, 820,9 used, 469,8 buff/cache

MiB Intercambio: 5422,0 total, 5422,0 free, 0,0 used. 3092,2 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR S	S %CPU	%MEM	TIME+	COMMAND
182	root	20	0	0	0	0	I Θ,3	0,0	0:00.24	kworker/1:3-events
1275	kali	20	Θ	303380	28700	21404	S 0,3	0,7	0:00.41	xfsettingsd
2775	kali	20	Θ	11828	5632	3456 I	R Θ,3	0,1	0:00.13	top
1	root	20	0	21224	12884	9556	S 0,0	0,3	0:09.18	systemd
2	root	20	Θ	0	0	0 9	s Θ,0	0,0	0:00.00	kthreadd
3	root	0	-20	0	0	0	Ι Θ,Θ	0,0	0:00.00	
4	root	0	-20	0	0	0	Ι Θ,Θ	0,0	0:00.00	rcu_par_gp
5	root	0	-20	0	0	0	Ι Θ,Θ	0,0	0:00.00	slub_flushwq
6	root	0	-20	0	0	0	Ι Θ,Θ	0,0	0:00.00	netns
11	root	0	-20	0	0	0	Ι Θ,Θ	0,0	0:00.00	mm_percpu_wq
12	root	20	Θ	0	0	0	Ι Θ,Θ	0,0		rcu_tasks_kthread
13	root	20	Θ	0	0	0	Ι Θ,Θ	0,0		rcu_tasks_rude_kthread
14	root	20	Θ	0	0	0	Ι Θ,Θ	0,0	0:00.00	rcu_tasks_trace_kthread
15	root	20	Θ	0	0	0 9	s Θ,0	0,0	0:00.17	ksoftirqd/0
16	root	20	Θ	0	0	0	Ι Θ,Θ	0,0	0:00.28	rcu_preempt
17	root	rt	Θ	0	0	0 9		0,0	0:00.01	migration/0
18	root	-51	Θ	0	0	0 9	S 0,0	0,0	0:00.00	idle_inject/0
19	root	20	Θ	0	0	0 9		0,0	0:00.00	cpuhp/0
20	root	20	Θ	0	Θ	0 9	s Θ,0	0,0		cpuhp/1
21	root	-51	Θ	0	0	0 9	s Θ,0	0,0	0:00.00	idle_inject/1
22	root	rt	Θ	0	Θ	0 9		0,0		migration/1
23	root	20	Θ	0	Θ	0 9	s Θ,0	0,0		ksoftirqd/1
24	root	20	Θ	0	0	0	Ι Θ,Θ	0,0	0:00.00	kworker/1:0-cgroup_destroy
25	root	0	-20	0	Θ	Θ :	I 0,0	0,0	0:00.00	kworker/1:0H-events_highpri

- gestión de procesos:

 - CTRL+ $z + bg \rightarrow lanzar a segundo plano$
 - $fg \rightarrow traer a primer plano$
 - jobs → listar procesos en segundo plano
 - ∘ kill → matar/reiniciar procesos

Red

Interfaces/ips

- ip addr
- ifconfig
- cat /etc/network/interfaces
- /etc/netplan/ → ubicación archivo configuración en sistemas Ubuntu modernos

```
kali@kali:~$ ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen
1000
     link/loopback 00:00:00:00:00 brd 00:00:00:00:00
     inet 127.0.0.1/8 scope host lo
        valid lft forever preferred lft forever
```

```
inet6 ::1/128 scope host noprefixroute
      valid lft forever preferred lft forever
2: eth0: <BROADCAST, MULTICAST, UP, LOWER UP> mtu 1500 qdisc fq codel state UP group
default qlen 1000
    link/ether 08:00:27:51:e0:04 brd ff:ff:ff:ff:ff
    inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute eth0
      valid_lft 83597sec preferred_lft 83597sec
    inet6 fe80::fb75:3897:7844:2012/64 scope link noprefixroute
      valid lft forever preferred lft forever
3: eth1: <BROADCAST, MULTICAST, UP, LOWER UP> mtu 1500 qdisc fq codel state UP group
default glen 1000
    link/ether 08:00:27:c1:df:bd brd ff:ff:ff:ff:ff
    inet 192.168.56.102/24 brd 192.168.56.255 scope global dynamic noprefixroute eth1
      valid lft 497sec preferred lft 497sec
    inet6 fe80::a00:27ff:fec1:dfbd/64 scope link noprefixroute
      valid lft forever preferred lft forever
kali@kali:~$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
        inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
        inet6 fe80::fb75:3897:7844:2012 prefixlen 64 scopeid 0x20<link>
       ether 08:00:27:51:e0:04 txgueuelen 1000 (Ethernet)
       RX packets 34 bytes 3712 (3.6 KiB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 60 bytes 6394 (6.2 KiB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
eth1: flags=4163<UP, BROADCAST, RUNNING, MULTICAST> mtu 1500
        inet 192.168.56.102 netmask 255.255.25 broadcast 192.168.56.255
        inet6 fe80::a00:27ff:fec1:dfbd prefixlen 64 scopeid 0x20<link>
       ether 08:00:27:c1:df:bd txqueuelen 1000 (Ethernet)
       RX packets 2808 bytes 219364 (214.2 KiB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 2204 bytes 842120 (822.3 KiB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
        inet 127.0.0.1 netmask 255.0.0.0
        inet6 ::1 prefixlen 128 scopeid 0x10<host>
        loop txqueuelen 1000 (Local Loopback)
       RX packets 0 bytes 0 (0.0 B)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 0 bytes 0 (0.0 B)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

Tabla de rutas

- ip route
- route

Caché ARP

- · ip neigh
- arp -a

```
kali@kali:~$ ip neigh
10.0.2.3 dev eth0 lladdr 52:54:00:12:35:03 STALE
192.168.56.100 dev eth1 lladdr 08:00:27:6b:5b:37 STALE
10.0.2.2 dev eth0 lladdr 52:54:00:12:35:02 STALE
192.168.56.1 dev eth1 lladdr 0a:00:27:00:00:00 REACHABLE
kali@kali:~$ arp -a
? (10.0.2.3) at 52:54:00:12:35:03 [ether] on eth0
? (192.168.56.100) at 08:00:27:6b:5b:37 [ether] on eth1
? (10.0.2.2) at 52:54:00:12:35:02 [ether] on eth0
ideapad5 (192.168.56.1) at 0a:00:27:00:00:00 [ether] on eth1
```

Resolución DNS

- servidores DNS:
 - cat /etc/resolv.conf
 - o resolvectl status

kali@kali:~\$ cat /etc/resolv.conf
Generated by NetworkManager
search sanclemente.local
nameserver 10.0.2.3

resolución DNS con /etc/hosts

```
kali@kali:~$ cat /etc/hosts
127.0.0.1 localhost
127.0.1.1 kali.kali kali

# The following lines are desirable for IPv6 capable hosts
::1 localhost ip6-localhost ip6-loopback
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters
```

Conexiones de red

- ss -putan
- netstat -putan
- para ver los procesos (-p) hay que tener permisos de administrador

```
kali@kali:~$ ss -putan
                            Send-0
                                               Local Address:Port
Netid
       State
                  Recv-0
                                                                         Peer
Address:Port
                Process
       ESTAB
                                         192.168.56.102%eth1:68
udp
192.168.56.100:67
udp ESTAB
                            0
                                              10.0.2.15%eth0:68
10.0.2.2:67
tcp LISTEN 0
                            128
                                                    0.0.0.0:22
0.0.0.0:*
                            Ω
                                             192.168.56.102:22
       ESTAB
                  0
tcp
192.168.56.1:47922
                  Ω
                            128
                                                       [::]:22
tcp
       LISTEN
[::]:*
```

kali@kali:~\$ sudo netstat -putan
Active Internet connections (servers and established)

Proto Recv	-Q Send-Q	Local Address	Foreign Address	State					
PID/Program name									
tcp	0 0	0.0.0:22	0.0.0.0:*	LISTEN					
1942/sshd:	/usr/sbi								
tcp	0 0	192.168.56.102:22	192.168.56.1:47922	ESTABLISHED					
1955/sshd:	kali [pr								
tcp6	0 0	:::22	:::*	LISTEN					
1942/sshd:	/usr/sbi								
udp	0 0	192.168.56.102:68	192.168.56.100:67	ESTABLISHED					
536/NetworkManager									
udp	0 0	10.0.2.15:68	10.0.2.2:67	ESTABLISHED					
536/NetworkManager									

Usuarios

Usuario actual

- Whoami → usuario
- $id \rightarrow usuario y grupos$

```
kali@kali:~$ whoami
kali
kali@kali:~$ id
uid=1000(kali) gid=1000(kali)
grupos=1000(kali),4(adm),20(dialout),24(cdrom),25(floppy),27(sudo),29(audio),30(dip),44(
video),46(plugdev),109(netdev),117(bluetooth),120(wireshark),134(scanner),142(vboxsf),14
3(kaboxer)
```

ficheros de usuarios y grupos:

- /etc/passwd
- /etc/shadow
- /etc/group

```
kali@kali:~$ cat /etc/passwd
root:x:0:0:root:/root:/usr/bin/zsh
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
kali:x:1000:1000:kali,,,:/home/kali:/usr/bin/zsh
kali@kali:~$ sudo cat /etc/shadow
root:!:18931:0:99999:7:::
daemon:*:18931:0:99999:7:::
kali:$y$j9T$f71HpfR9pwAE3V5iGndLZB.$X2fBN44qoCt0kumA/
wGPQUfdql0Dv.TWPRIR98yXZ7C:18931:0:999999:7:::
kali@kali:~$ cat /etc/group
root:x:0:
daemon:x:1:
bin:x:2:
sys:x:3:
adm:x:4:kali,root
tty:x:5:
man:x:12:
```

```
proxy:x:13:
kmem:x:15:
dialout:x:20:kali,root
```

• groups <nombre usuario> → grupos a los que pertenece un usuario

```
kali@kali:~$ groups kali
kali : kali adm dialout cdrom floppy sudo audio dip video plugdev netdev bluetooth
wireshark scanner vboxsf kaboxer
```

Sesiones

- w → ver usuarios con sesión
- who
- last → usuarios logueados desde último reinicio

```
kali@kali:~$ w
11:05:50 up 1:04, 2 users, load average: 0,07, 0,07, 0,07
             DESDE LOGIN@ IDLE JCPU PCPU WHAT

10:03 1:03m 7.80s 0.77s xfce4-session
USER
       TTY
kali
      tty7
kali pts/1
               192.168.56.1
                               10:05
                                        2.00s 13.65s 0.02s w
kali@kali:~$ who
                    2023-11-13 10:03 (:0)
kali tty7
kali
      pts/1
                   2023-11-13 10:05 (192.168.56.1)
kali@kali:~$ last
                  192.168.56.1
kali pts/1
                                 Mon Nov 13 10:05 still logged in
kali
                                   Mon Nov 13 10:03 still logged in
       tty7
                   :0
reboot system boot 6.5.0-kali2-amd6 Mon Nov 13 10:01 still running
```

sudo

• sudo -1 → ver comandos que el usuario puede ejecutar con sudo

```
kali@kali:~$ sudo -1
Matching Defaults entries for kali on kali:
    env_reset, mail_badpass,
secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin, use_pty
User kali may run the following commands on kali:
    (ALL: ALL) ALL
```

/etc/sudoers → ver configuración de sudo

```
kali@kali:~$ sudo cat /etc/sudoers
#
# This file MUST be edited with the 'visudo' command as root.
#
# Please consider adding local content in /etc/sudoers.d/ instead of
# directly modifying this file.
#
# See the man page for details on how to write a sudoers file.
#
Defaults env_reset
Defaults mail_badpass
Defaults mail_badpass
Defaults secure_path="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin"
# This fixes CVE-2005-4890 and possibly breaks some versions of kdesu
# (#1011624, https://bugs.kde.org/show_bug.cgi?id=452532)
Defaults use_pty
```

```
# This preserves proxy settings from user environments of root
# equivalent users (group sudo)
#Defaults:%sudo env_keep += "http_proxy https_proxy ftp_proxy all_proxy no_proxy"
...
root ALL=(ALL:ALL) ALL
# Allow members of group sudo to execute any command
%sudo ALL=(ALL:ALL) ALL
# See sudoers(5) for more information on "@include" directives:
@includedir /etc/sudoers.d
```

Operaciones de búsqueda

- grep
 - ∘ grep password documento.txt → buscar la palabra password en el archivo documento.txt
 - grep -rn "password" . → búsqueda recursiva a partir del directorio actual de ficheros con la palabra password
- find
 - find . -name flag1.txt → buscar flag1.txt en directorio actual y subdirectorios
 - o find /home -name flag1.txt → buscar flag1.txt en directorio /home y subdirectorios
 - o find / -type f -perm 0777 → buscar ficheros con permisos 777
 - find / -type f -perm 0777 2> /dev/null → buscar ficheros con permisos 777 redirigiendo la salida para no ver errores.