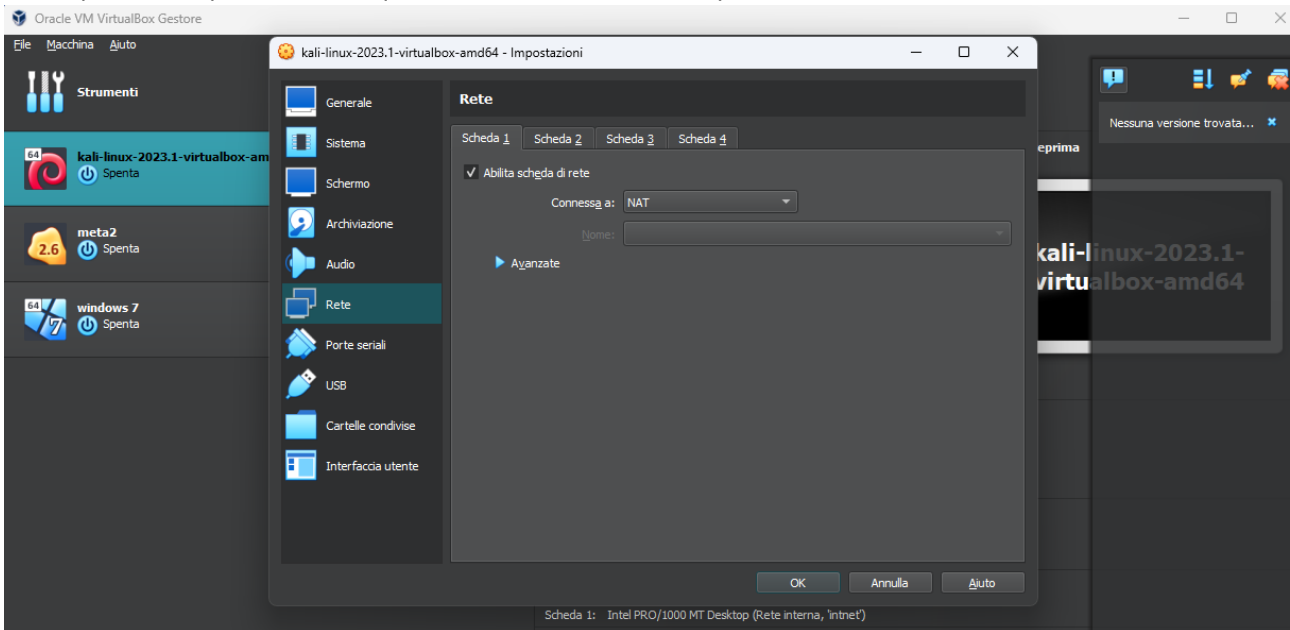


## Familiarizzare con i comandi della shell

Come primo compito abbiamo quello di mettere kali in rete per cui setto da virtuale box nat



Dopo aver avviato la macchina vado a metterla su internet con dhclient eth0

```
(root@kali)-[/home/kali]
# dhclient eth0
RTNETLINK answers: File exists

(root@kali)-[/home/kali]
# ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
64 bytes from 8.8.8.8: icmp_seq=1 ttl=111 time=65.8 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=111 time=75.1 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=111 time=105 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=111 time=57.6 ms
64 bytes from 8.8.8.8: icmp_seq=8 ttl=111 time=65.0 ms
64 bytes from 8.8.8.8: icmp_seq=9 ttl=111 time=64.5 ms
^C
 8.8.8.8 ping statistics —
9 packets transmitted, 6 received, 33.3333% packet loss, time 8081ms
rtt min/avg/max/mdev = 57.581/72.093/104.502/15.369 ms

(root@kali)-[/home/kali]
#
```

Eseguo `sudo apt-get update` che ci permette di aggiornare l'indice dei pacchetti locali scaricando le ultime liste di pacchetti dai repository software configurati nel sistema.

Dopo procedo con l'installazione del pacchetto.

```
(root@kali)-[/home/kali]
# sudo apt-get update
Get:1 http://kali.download/kali kali-rolling InRelease [41.2 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 Packages [19.3 MB]
Get:3 http://kali.download/kali kali-rolling/main amd64 Contents (deb) [44.7 MB]
Fetched 64.0 MB in 21s (3,072 kB/s)
Reading package lists... Done

(root@kali)-[/home/kali]
# sudo apt install gettext man-db procs psmisc nano tree bsdmainutils *11-apps wget
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package *11-apps

(root@kali)-[/home/kali]
# E: Unable to locate package *11-apps
E:: command not found

(root@kali)-[/home/kali]
# wget https://github.com/phyver/GameShell/releases/download/latest/gameshell.sh
--2023-05-19 02:25:47-- https://github.com/phyver/GameShell/releases/download/latest/gameshell.sh
Resolving github.com (github.com)... 140.82.121.3
Connecting to github.com (github.com)[140.82.121.3]:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://objects.githubusercontent.com/github-production-release-asset-2e65be/94422621/c076717c-fef6-4ef7-ab6b-4f1303bca5e8?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20230519%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20230519T062547Z&X-Amz-Expires=300&X-Amz-Signature=ea658ed8a4f1923a06d8c8165d1bddd1f6a1660042fca8eb73417538c651655d6X-Amz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=94422621&response-content-disposition=attachment%3B%20filename%3Dgameshell.sh&response-content-type=application%2Foctet-stream [following]
--2023-05-19 02:25:47-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/94422621/c076717c-fef6-4ef7-ab6b-4f1303bca5e8?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20230519%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20230519T062547Z&X-Amz-Expires=300&X-Amz-Signature=ea658ed8a4f1923a06d8c8165d1bddd1f6a1660042fca8eb73417538c651655d6X-Amz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=94422621&response-content-disposition=attachment%3B%20filename%3Dgameshell.sh&response-content-type=application%2Foctet-stream
Resolving objects.githubusercontent.com (objects.githubusercontent.com)... 185.199.110.133, 185.199.109.133, 185.199.108.133, ...
Connecting to objects.githubusercontent.com (objects.githubusercontent.com)[185.199.110.133]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 202043 (197K) [application/octet-stream]
Saving to: 'gameshell.sh'

gameshell.sh
100%[=====] 197.31K --.-KB/s in 0.1s

2023-05-19 02:25:48 (1.48 MB/s) - 'gameshell.sh' saved [202043/202043]
```

Avvio il gioco con bash gameshell.sh



Partiamo a risolvere il gioco

Liv 3

Pwd capisco dove mi trovo

Cd vado alla dairectory principale

Ls mosta cosa ho nelle cartelle

Cd /nome cartella/nome cartella/nome cartella/nome cartella/nome cartella mi porta in una sola volta nel punto desiderato se so il percorso .

```

/home/kali/gameshell/World/Castle/Cellar
[mission 3] $ cd
[mission 3] $ pwd
/home/kali/gameshell/World
[mission 3] $ ls
Castle Forest Garden Mountain Stall
[mission 3] $ cd Castle
[mission 3] $ ped
Command 'ped' not found, but there are 17 similar ones.
[mission 3] $ pwd
/home/kali/gameshell/World/Castle
[mission 3] $ ls
Cellar Great_hall Main_building Main_tower Observatory
[mission 3] $ cd Main_building
[mission 3] $ pwd
/home/kali/gameshell/World/Castle/Main_building
[mission 3] $ ls
Library Throne_room
[mission 3] $ cd Throne_room
[mission 3] $ pwd
/home/kali/gameshell/World/Castle/Main_building/Throne_room
[mission 3] $ cd /home/kali/gameshell/World/Castle/Main_building/Throne_room
[mission 3] $ gsh check

Sorry, mission 3 hasn't been completed.

+-----+
| Use the command |
| $ gsh help      |
| to get the list of "gsh" commands. |
+-----+

[mission 3] $ pwd
/home/kali/gameshell/World/Castle/Main_building/Throne_room
[mission 3] $ cd
[mission 3] $ cd /home/kali/gameshell/World/Castle/Main_building/Throne_room
[mission 3] $ gsh check

Congratulations, mission 3 has been successfully completed!

```

Liv 4

Cd directory principale

Cd Forest entro nella Forest

Ls guardo cosa c'è

Mkdir creo cartelle in questo caso hut cd hut ci entro mkdir creo Chest.

```

~/Castle/Main_building/Throne_room
[mission 4] $ cd

~
[mission 4] $ ls
Castle Forest Garden Mountain Stall

~
[mission 4] $ cd Forest

~/Forest
[mission 4] $ ls

~/Forest
[mission 4] $ pwd
/home/kali/gameshell/World/Forest

~/Forest
[mission 4] $ mkdir Hut

~/Forest
[mission 4] $ ls
Hut

~/Forest
[mission 4] $ cd Hut

~/Forest/Hut
[mission 4] $ mkdir Chest

~/Forest/Hut
[mission 4] $ ls
Chest

~/Forest/Hut
[mission 4] $ gsh check

Congratulations, mission 4 has been successfully completed!

```

## Livello 8

Cd entro nella dairectory principale

Cd Castle/Cellar/ entro nella cartella Cellar

Ls -A mi permette di vedere tutto ciò che c'è l'interno anche i file nascosti

Rm rimuove i file con asterisco sostituisco tutti i char caratteri in questo caso i numeri

```

~/Forest/Hut/Chest
[mission 8] $ cd

~
[mission 8] $ ls
Castle Forest Garden Mountain Stall

~
[mission 8] $ cd Castle/Cellar/

~/Castle/Cellar
[mission 8] $ ls -A
11131_spider_16 13805_spider_23 1604_spider_44 21218_spider_1 26399_spider_30 2832_spider_3 31608_spider_31 589_spider_24
1128_spider_46 14589_spider_4 16819_bat_5 21332_spider_41 26494_spider_6 28737_spider_26 32432_spider_19 6274_spider_50
11347_spider_21 15007_spider_13 17459_spider_38 21448_spider_37 26585_spider_33 2934_spider_32 3509_spider_20 7830_spider_11
12054_spider_29 15253_spider_48 19670_bat_2 24387_spider_9 26777_spider_5 29642_spider_42 4569_spider_8 7895_spider_45
12085_spider_14 15691_spider_39 20411_spider_49 2532_spider_27 26874_bat_3 30306_spider_28 4868_spider_12 8058_spider_47
13492_spider_15 15718_spider_43 20761_spider_10 25916_spider_36 27655_spider_25 30348_spider_17 5353_spider_7 8647_bat_1
13776_spider_35 16012_spider_18 20887_spider_40 25926_bat_4 28064_spider_2 30637_spider_22 5367_spider_34 barrel_of_apples

~/Castle/Cellar
[mission 8] $ rm *_spider_*

~/Castle/Cellar
[mission 8] $ gsh check

```

## Liv 12

Cd Castle/main\_tower/first\_floor per dirigermi al primo piano

Ls -l per vedere cosa c'è nella cartella in più i permessi la data di creazione ed cosa sono.

cp (oggetto) (directory) per copiare in un determinato posto.

Copio il più antico nella cartella Chest.

```
~
[mission 12] $ ls
Castle/ Forest/ Garden/ Mountain/ Stall/

~
[mission 12] $ cd Castle/
~/Castle
[mission 12] $ ls
Cellar/ Great_hall/ Main_building/ Main_tower/ Observatory/

~/Castle
[mission 12] $ cd Main_tower/
~/Castle/Main_tower
[mission 12] $ ls
First_floor/

~/Castle/Main_tower
[mission 12] $ cd First_floor/
~/Castle/Main_tower/First_floor
[mission 12] $ ls
painting_atefDEFW painting_nWLHxLEB painting_uAssZhGj Second_floor/

~/Castle/Main_tower/First_floor
[mission 12] $ ls -l
ls: cannot access 'l': No such file or directory

~/Castle/Main_tower/First_floor
[mission 12] $ ls -l
total 16
-rw-r--r-- 1 kali kali 1503 May 12 2013 painting_atefDEFW
-rw-r--r-- 1 kali kali 1054 Apr 23 2002 painting_nWLHxLEB
-rw-r--r-- 1 kali kali 1455 Dec 26 1985 painting_uAssZhGj
drwxr-xr-x 3 kali kali 4096 May 19 03:01 Second_floor/

~/Castle/Main_tower/First_floor
[mission 12] $ cp painting_uAssZhGj ~/Forest/Hut/Chest/

~/Castle/Main_tower/First_floor
[mission 12] $ gsh check

Congratulations, mission 12 has been successfully completed!
```

Liv 16



Per modificare file journal.txt per fare questo alias nome = ' nano percorso '

```
(
)
( To edit the journal file with ``nano`` from, for example, the cellar or the throne room, you need to give the full path
  to the file: "~/Forest/.../journal.txt".
)
( To avoid typing this long command each time, you can create an alias just like
  alias la='ls -a'
)
(
)
( Useful commands
  _____
)
( nano FILE
  Edit the file from the shell.
  (If the file does not exist, it will be created.)
)
( alias STRING='COMMAND'
  Create a synonym for a string, that will stand for a command.
)
( Note
  _____
)
( If (and only if) you know what you're doing, you can use the ``EDITOR`` variable to define your favorite editor and use
  it in the alias.
)
(
)
(=====)
(0)=====)
(
)

[mission 16] $ ^C

[mission 16] $ alias journal='nano ~/Forest/Hut/Chest/journal.txt'
^C

[mission 16] $ alias journal='nano ~/Forest/Hut/Chest/journal.txt'
```

Liv 17

Devo entrare nella cartella nascosta ed eliminare i file nascosti in 20 secondi ma non riesco

I comandi sono cd .Ltab per entrare ls -lA vedo i file rm iniziale tab spazio iniziale tab invio

cd.. rientro nella cartella precedente rm -r riuovo la dairectory .:tab ed gsh check per confermare  
pultropo il tempo non è sufficiente per me

```
~/Castle/Cellar
[mission 17] $ cd .Lair_of_the_spider_queen\ nqujoPMMLZdYKwpc igBrNFDQZezqYLon/

~/Castle/Cellar/.Lair_of_the_spider_queen nqujoPMMLZdYKwpc igBrNFDQZezqYLon
[mission 17] $ ls .lA
ls: cannot access '.lA': No such file or directory

~/Castle/Cellar/.Lair_of_the_spider_queen nqujoPMMLZdYKwpc igBrNFDQZezqYLon
[mission 17] $ ls -lA
total 8
-rw-r--r-- 1 kali kali 130 May 19 10:06 AYlLEMxBnbmzENmk_baby_bat_eqPQYlFPaJJDxUkQ
-rw-r--r-- 1 kali kali 384 May 19 10:06 wtmgMXjNgeJpiWhZ_spider_queen_XipAZXnMAwzhhrxu

~/Castle/Cellar/.Lair_of_the_spider_queen nqujoPMMLZdYKwpc igBrNFDQZezqYLon
[mission 17] $ rm AYlLEMxBnbmzENmk_baby_bat_eqPQYlFPaJJDxUkQ

~/Castle/Cellar/.Lair_of_the_spider_queen nqujoPMMLZdYKwpc igBrNFDQZezqYLon
[mission 17] $ rm wtmgMXjNgeJpiWhZ_spider_queen_XipAZXnMAwzhhrxu

~/Castle/Cellar/.Lair_of_the_spider_queen nqujoPMMLZdYKwpc igBrNFDQZezqYLon
[mission 17] $ cd ..

~/Castle/Cellar
[mission 17] $ rm -r .Lair_of_the_spider_queen\ nqujoPMMLZdYKwpc igBrNFDQZezqYLon/

~/Castle/Cellar
[mission 17] $ gsh check
You are not in the queen spider lair!

Sorry, mission 17 hasn't been completed.
```