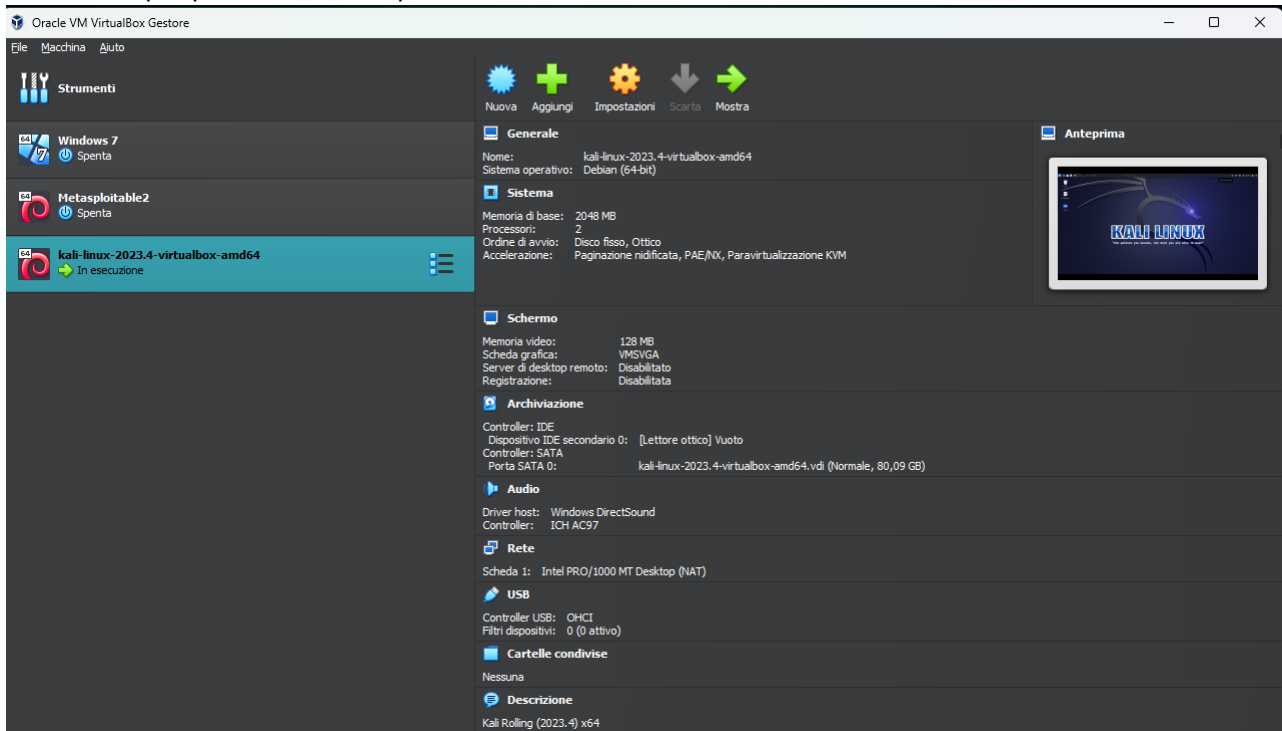
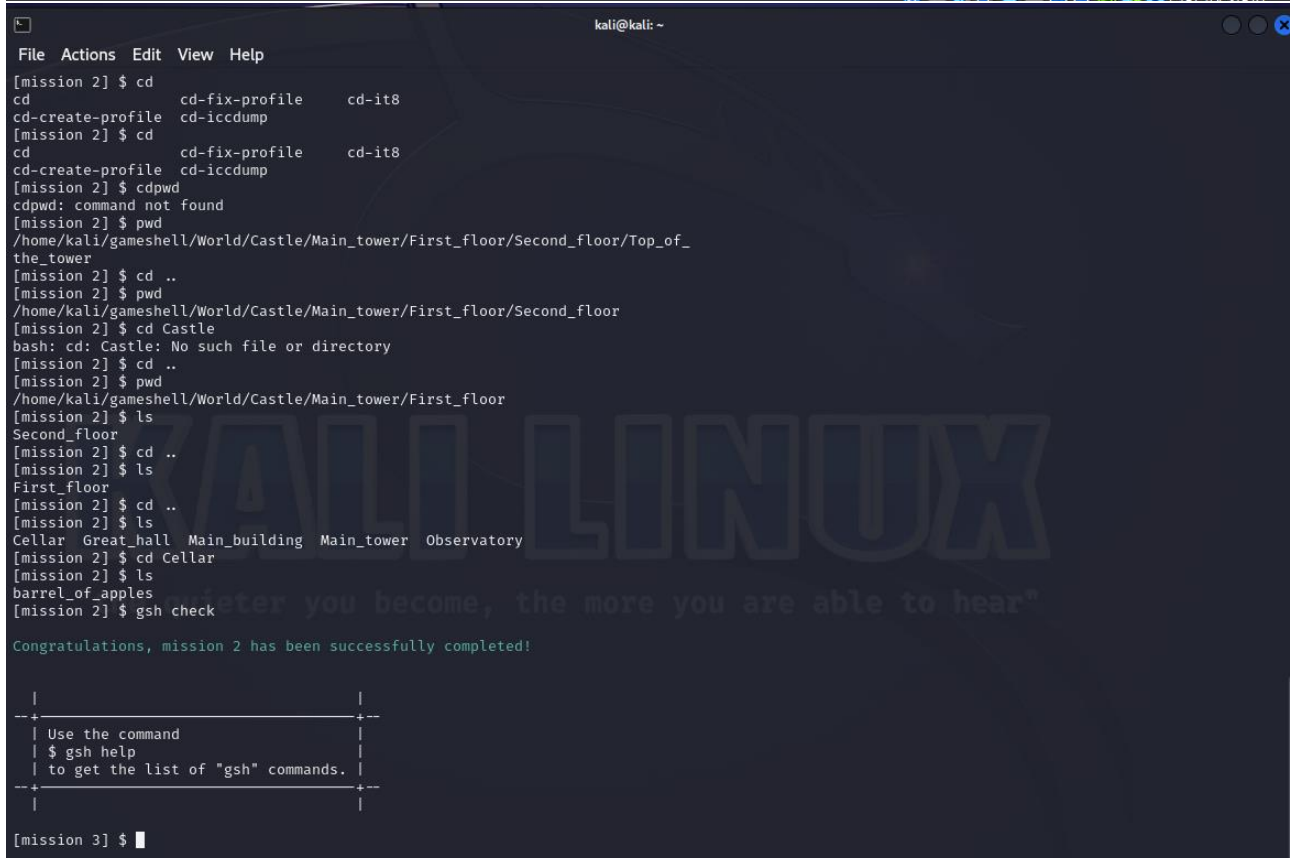
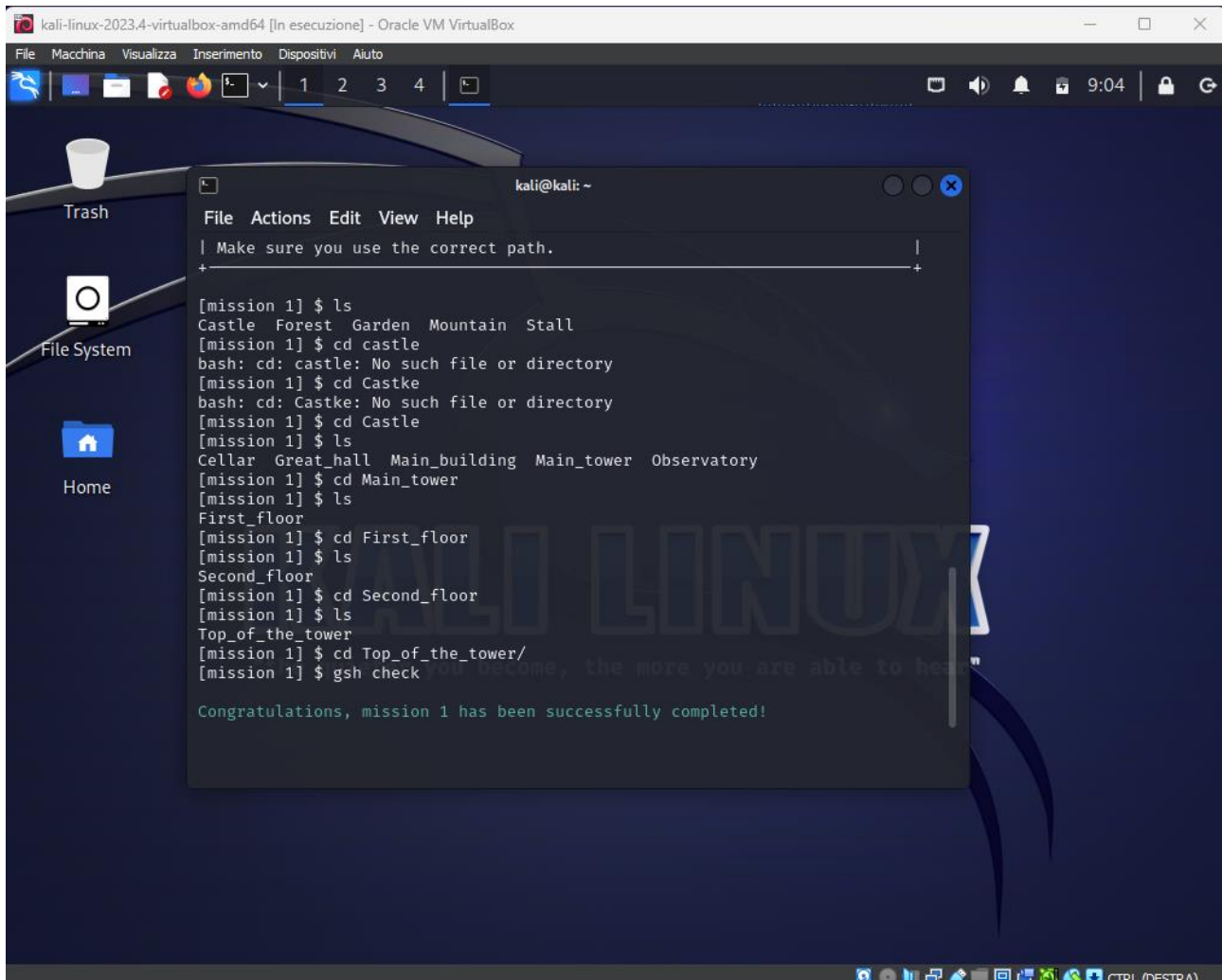


Per lo svolgimento dell'esercizio di oggi il primo passo è stato far sì che la macchina virtuale potesse comunicare con internet ho impostato prima la connessione da rete interna a Nat, poi dal prompt dei comandi ho modificato l'indirizzo ip tramite comando `sudo nano /etc/network/interfaces`. Per comodità ho impostato l'indirizzo ip come dinamico da statico così che la macchina comunicando con il router carpisse autonomamente l'indirizzo ip ed ho effettuato un ping verso i server google (8.8.8.8).

Dopo questi passaggi ho proceduto come da esempio ad aggiornare la macchina ed a scaricare il gioco Game shell per poi andare a completare i vari livelli.





```
kali@kali: ~  
File Actions Edit View Help  
[mission 3] $ cd  
[mission 3] $ cd Castle/Main_building/Throne_room  
[mission 3] $ gsh check  
Congratulations, mission 3 has been successfully completed!  
  
Well done!!!  
From now on, the current location will be shown just before the command prompt.  
  
Use the command  
$ gsh help  
to get the list of "gsh" commands.  
  
~/Castle/Main_building/Throne_room  
[mission 4] $
```

```
kali@kali: ~  
File Actions Edit View Help  
[mission 4] $ gsh goal  
  
Mission goal  
Build a "Hut" in the forest, and then build a "Chest" in the hut.  
  
Useful commands  
mkdir DIRECTORY  
Create a new directory inside the current directory.  
Remark: ``mkdir`` is an abbreviation for "make directory".  
  
~/Castle/Main_building/Throne_room  
[mission 4] $ cd  
Castle Forest Garden Mountain Stall  
[mission 4] $ ls  
bash: cd: forest: No such file or directory  
[mission 4] $ cd Forest  
~/Forest  
[mission 4] $ mkdir Hut  
~/Forest  
[mission 4] $ mkdir Hut/Chest  
  
Congratulations, mission 4 has been successfully completed!
```

```
kali@kali: ~  
File Actions Edit View Help  
^  
~/Forest  
[mission 5] $ cd  
~  
[mission 5] $ ls  
Castle Forest Garden Mountain Stall  
~  
[mission 5] $ cd Castle/Cellar  
~/Castle/Cellar  
[mission 5] $ pwd  
/home/kali/gameshell/World/Castle/Cellar  
~/Castle/Cellar  
[mission 5] $ rm spider1  
rm: cannot remove 'spider1': No such file or directory  
~/Castle/Cellar  
[mission 5] $ rm  
rm: missing operand  
Try 'rm --help' for more information.  
~/Castle/Cellar  
[mission 5] $ rm  
barrel_of_apples bat_1 bat_2 spider_1 spider_2 spider_3  
~/Castle/Cellar  
[mission 5] $ rm spider_1  
~/Castle/Cellar  
[mission 5] $ rm spider_2  
~/Castle/Cellar  
[mission 5] $ rm spider_3  
~/Castle/Cellar  
[mission 5] $ gsh check  
Congratulations, mission 5 has been successfully completed!
```

```
kali@kali: ~  
File Actions Edit View Help  
| |  
~/Garden  
[mission 6] $ gsh goal  
(  
┌─┐  
│ Mission goal │  
│  
│ Collect all the coins that you can find in the garden in front of the castle, and put them in your chest in your hut in the forest. │  
│  
│ Useful commands │  
│  
│ mv FILE1 FILE2 ... FILEn DIRECTORY │  
│ Move the files to the directory. │  
│ Remark: `mv` is an abbreviation of "move". │  
│  
│ The "-" symbol is an abbreviation for the initial directory. │  
│ Example: wherever you are, `~/Tavern` denotes the directory (or file) "Tavern" in the initial directory. │  
└─┘ (*)  
┌─┘  
└─┘  
"the quieter you become, the more you are able to hear"  
~/Garden  
[mission 6] $ ls  
coin_1 coin_2 coin_3 Flower_garden Maze Shed  
~/Garden  
[mission 6] $ mv coin_1 coin_2 coin_3 ~/Forest/Hut/Chest  
~/Garden  
[mission 6] $ gsh check  
Congratulations, mission 6 has been successfully completed!
```

```
kali@kali: ~  
File Actions Edit View Help  
~/Garden/Flower_garden  
[mission 7] $  
Display all 4077 possibilities? (y or n)  
~/Garden/Flower_garden  
[mission 7] $ ls  
flowers  
~/Garden/Flower_garden  
[mission 7] $ cs Garden  
Command 'cs' not found, but can be installed with:  
sudo apt install csound  
Do you want to install it? (N/y)n  
~/Garden/Flower_garden  
[mission 7] $ ls  
flowers  
~/Garden/Flower_garden  
[mission 7] $ cd ..  
~/Garden  
[mission 7] $ ls  
Flower_garden Maze Shed  
~/Garden  
[mission 7] $ ls -A  
.26169_coin_1 .35568_coin_2 .41904_coin_3 Flower_garden Maze Shed  
~/Garden  
[mission 7] $ mv .26169_coin_1 .35568_coin_2 .41904_coin_3 ~/Forest/Hut/Chest  
~/Garden  
[mission 7] $ gsh check  
Congratulations, mission 7 has been successfully completed!  
|  
--+-----+--  
|  
|
```

```
kali@kali: ~  
File Actions Edit View Help  
[mission 8] $ lsü  
Command 'lsü' not found, did you mean:  
command 'lsu' from deb suckless-tools  
command 'lsw' from deb suckless-tools  
command 'lsh' from deb lsh-client  
command 'lsd' from deb lsd  
command 'lsm' from deb lsm  
command 'lsc' from deb livescript  
command 'ls' from deb coreutils  
Try: sudo apt install <deb name>  
~/Castle/Cellar  
[mission 8] $ ls  
10061_spider_28 12952_bat_3 17217_spider_19 19831_spider_26 22082_bat_2 28631_spider_50 344_spider_30 5125_spider_29  
10100_spider_22 13332_spider_36 18191_spider_33 20204_spider_8 23204_spider_13 29705_spider_44 3518_spider_10 6479_spider_17  
10111_spider_34 13484_spider_35 18273_spider_48 20902_spider_11 23612_spider_7 29914_spider_5 3519_spider_39 7420_spider_24  
10307_spider_47 13811_spider_49 18413_spider_40 2091_spider_31 25212_bat_1 31047_spider_46 387_spider_43 7731_spider_6  
11109_spider_15 1461_spider_4 18635_bat_4 21608_spider_3 26079_spider_38 31818_spider_21 3983_spider_2 8651_spider_16  
12180_spider_37 15935_spider_45 19323_bat_5 21906_spider_23 26638_spider_1 32419_spider_42 4387_spider_18 9095_spider_32  
12509_spider_27 161_spider_14 19708_spider_9 21978_spider_20 2768_spider_12 339_spider_25 4502_spider_41 barrel_of_apples  
~/Castle/Cellar  
[mission 8] $ rm *spider*  
~/Castle/Cellar  
[mission 8] $ ls  
12952_bat_3 18635_bat_4 19323_bat_5 22082_bat_2 25212_bat_1 barrel_of_apples  
~/Castle/Cellar  
[mission 8] $ gsh check  
Congratulations, mission 8 has been successfully completed!  
|  
--+-----+--  
| Use the command  
| $ gsh help  
| to get the list of "gsh" commands. |  
--+-----+--  
|  
~/Castle/Cellar  
[mission 9] $
```



```
kali@kali: ~  
File Actions Edit View Help  
.10996_spider_15 .13869_spider_38 .17683_spider_23 .19241_spider_47 22082_bat_2 .26551_spider_27 .4476_spider_21 .954_spider_29  
.11478_spider_9 .13882_spider_6 .17893_spider_50 19323_bat_5 .22716_bat_4 .26919_spider_34 .4603_spider_19 .9879_spider_13  
.1202_spider_16 .14232_spider_11 .18068_spider_7 .19978_spider_25 .22806_spider_8 .27118_spider_44 .5165_spider_10 barrel_of_apples  
.12147_spider_48 .15262_spider_14 .18120_spider_26 .20598_spider_2 .24758_spider_30 .28633_spider_22 .5274_spider_20  
.12475_spider_17 .1530_spider_24 .18465_spider_40 .20665_spider_4 .25056_spider_31 .28998_spider_35 .5551_spider_49  
12952_bat_3 .15982_spider_42 18635_bat_4 .20781_spider_33 25212_bat_1 .29911_spider_46 .5830_bat_5  
  
~/Castle/Cellar  
[mission 9] $ rm .*spider*  
  
~/Castle/Cellar  
[mission 9] $ ls  
12952_bat_3 18635_bat_4 19323_bat_5 22082_bat_2 25212_bat_1 barrel_of_apples  
  
~/Castle/Cellar  
[mission 9] $ ghs check  
Command 'ghs' not found, did you mean:  
command 'gjs' from deb gjs  
command 'gs' from deb ghostscript  
command 'gss' from deb libgss-dev  
command 'ghc' from deb ghc  
command 'ghb' from deb handbrake  
command 'gh' from deb gh  
Try: sudo apt install <deb name>  
  
~/Castle/Cellar  
[mission 9] $ gsh check  
  
Congratulations, mission 9 has been successfully completed!  
"the quieter you become, the more you are able to hear"  
  
Congratulations !  
From now on, the ``ls`` command will automatically show a "/" character at the end of directories.  
  
|
```

```
kali@kali: ~  
File Actions Edit View Help  
  
~/Castle/Cellar  
[mission 10] $ cd  
  
~  
[mission 10] $ lsù  
Command 'lsù' not found, did you mean:  
command 'lsu' from deb suckless-tools  
command 'lsd' from deb lsd  
command 'ls' from deb coreutils  
command 'lsm' from deb lsm  
command 'lsh' from deb lsh-client  
command 'lsc' from deb livescript  
Try: sudo apt install <deb name>  
  
~  
[mission 10] $ ls  
Castle/ Forest/ Garden/ Mountain/ Stall/  
  
~  
[mission 10] $ cd Castle  
  
~/Castle  
[mission 10] $ ls  
Cellar/ Great_hall/ Main_building/ Main_tower/ Observatory/  
  
~/Castle  
[mission 10] $ cd Great_hall  
  
~/Castle/Great_hall  
[mission 10] $ ls  
33682_suit_of_armour 34051_stag_head 3433_decorative_shield standard_1 standard_2 standard_3 standard_4  
  
~/Castle/Great_hall  
[mission 10] $ cp standard_1 standard_2 standard_3 standard_4 ~/Forest/Hut/Chest  
  
~/Castle/Great_hall  
[mission 10] $ gsh check  
  
Congratulations, mission 10 has been successfully completed!  
  
|  
--+-+-----+--  
|
```