

W8D4 progetto

Di Florin Eugen Peticaru

Il progetto di fine modulo ci richiedeva di scaricare, installare e testare un gioco in shell terminale di *Kali Linux*

Iniziamo con l'aggiornare la lista di repository dalla quale kali può recuperare gli i pacchetti

```
kali@kali: ~  
File Actions Edit View Help  
❏(kali@kali)-[~]  
└─$ sudo apt update  
[sudo] password for kali:  
Get:1 http://kali.download/kali kali-rolling InRelease [41.2 kB]  
Get:2 http://repo.mysql.com/apt/ubuntu impish InRelease [12.8 kB]  
Get:3 http://kali.download/kali kali-rolling/main amd64 Packages [19.4 MB]  
Err:2 http://repo.mysql.com/apt/ubuntu impish InRelease  
  The following signatures were invalid: EXPKEYSIG 4678942D3A79B029 MySQL Release Engineering <mysql-build@oss.oracle.com>  
Get:4 http://kali.download/kali kali-rolling/main amd64 Contents (deb) [45.7 MB]  
Get:5 http://kali.download/kali kali-rolling/contrib amd64 Packages [121 kB]  
Get:6 http://kali.download/kali kali-rolling/contrib amd64 Contents (deb) [294 kB]  
Get:7 http://kali.download/kali kali-rolling/non-free amd64 Packages [226 kB]  
Reading package lists... Done  
W: http://repo.mysql.com/apt/ubuntu/dists/impish/InRelease: Key is stored in legacy trusted.gpg keyring (/etc/apt/trusted.gpg), see the DEPRECATION section in apt-key (8) for details.  
W: GPG error: http://repo.mysql.com/apt/ubuntu/impish InRelease: The following signatures were invalid: EXPKEYSIG 4678942D3A79B029 MySQL Release Engineering <mysql-build@oss.oracle.com>  
E: The repository 'http://repo.mysql.com/apt/ubuntu impish InRelease' is not signed.  
N: Updating from such a repository can't be done securely, and is therefore disabled by default.  
N: See apt-secure(8) manpage for repository creation and user configuration details.
```

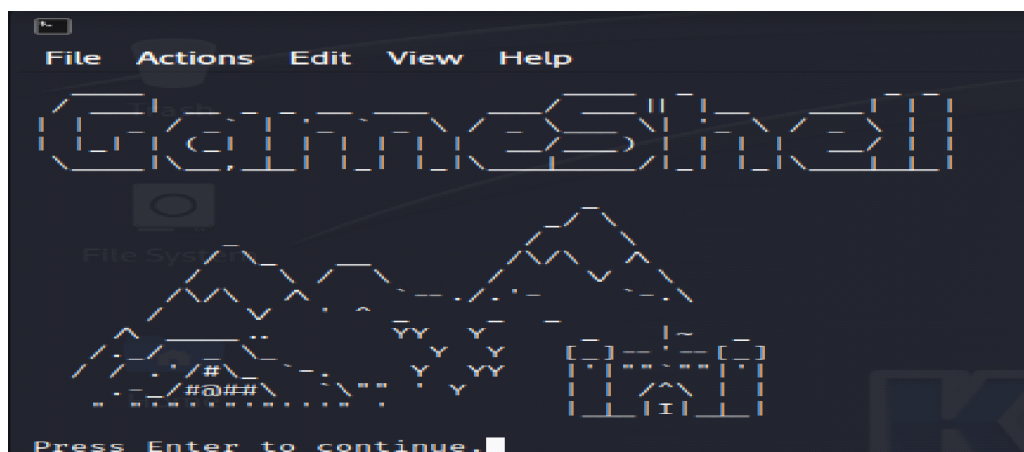
```
kali@kali: ~  
File Actions Edit View Help  
❏(kali@kali)-[~]  
└─$ sudo apt install gettext man-db procps psmisc nano tree bsdmainutils x11-apps wget  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
psmisc is already the newest version (23.6-1).  
psmisc set to manually installed.  
nano is already the newest version (7.2-1).  
tree is already the newest version (2.1.1-1).  
tree set to manually installed.  
wget is already the newest version (1.21.4-1+b1).  
The following additional packages will be installed:  
  gettext-base libproc2-0 libx11-6 libx11-data libx11-dev libx11-xcb1 ncal  
Suggested packages:  
  calendar vacation mailutils autopoint gettext-doc libasprintf-dev libgettextpo-dev libx11-doc groff mesa-utils  
The following NEW packages will be installed:  
  bsdmainutils gettext ncal  
The following packages will be upgraded:  
  gettext-base libproc2-0 libx11-6 libx11-data libx11-dev libx11-xcb1 man-db procps x11-apps  
9 upgraded, 3 newly installed, 0 to remove and 1217 not upgraded.  
Need to get 6,731 kB of archives.  
After this operation, 6,364 kB of additional disk space will be used.  
Do you want to continue? [Y/n] y  
Get:1 http://kali.download/kali kali-rolling/main amd64 libproc2-0 amd64 2:4.0.4-2 [64.6 kB]  
Get:2 http://kali.download/kali kali-rolling/main amd64 procps amd64 2:4.0.4-2 [880 kB]  
Get:3 http://kali.download/kali kali-rolling/main amd64 gettext-base amd64 0.21-14 [161 kB]  
Get:4 http://kali.download/kali kali-rolling/main amd64 man-db amd64 2.12.0-1 [1,402 kB]  
Get:5 http://kali.download/kali kali-rolling/main amd64 ncal amd64 12.1.8 [19.7 kB]  
Get:6 http://kali.download/kali kali-rolling/main amd64 bsdmainutils all 12.1.8 [5,952 B]  
Get:7 http://kali.download/kali kali-rolling/main amd64 gettext amd64 0.21-14 [1,300 kB]  
Get:8 http://kali.download/kali kali-rolling/main amd64 libx11-dev amd64 2:1.8.7-1 [875 kB]  
Get:9 http://kali.download/kali kali-rolling/main amd64 libx11-6 amd64 2:1.8.7-1 [802 kB]  
Get:10 http://kali.download/kali kali-rolling/main amd64 libx11-xcb1 amd64 2:1.8.7-1 [232 kB]  
Get:11 http://kali.download/kali kali-rolling/main amd64 libx11-data all 2:1.8.7-1 [328 kB]  
Get:12 http://http.kali.org/kali kali-rolling/main amd64 x11-apps amd64 7.7+11 [661 kB]
```

In seguito dovevamo installare una lista di pacchetti per *Wget* come nella figura in alto

```
kali@kali: ~  
File Actions Edit View Help  
Installing new version of config file /etc/x11/app-defaults/XCalc ...  
Installing new version of config file /etc/x11/app-defaults/XCalc-color ...  
Processing triggers for kali-menu (2023.4.3) ...  
Processing triggers for doc-base (0.11.1) ...  
Processing 37 changed doc-base files ...  
Processing triggers for libc-bin (2.37-6) ...  
Processing triggers for mailcap (3.70+nmui) ...  
  
kali@kali:~$ wget https://github.com/phyver/GameShell/releases/download/latest/gameshell.sh  
--2023-12-15 04:19:19-- https://github.com/phyver/GameShell/releases/download/latest/gameshell.sh  
Resolving github.com (github.com)... 140.82.121.4  
Connecting to github.com (github.com):140.82.121.4:443... connected.  
HTTP request sent, awaiting response... 302 Found  
Location: https://objects.githubusercontent.com/github-production-release-asset-2e65be/94422621/68f28a34-dcd3-4e48-bae8-5327da6d546e?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20231215%2Fus-east-1%2F%2Faws4_request&X-Amz-Date=20231215T091921Z&X-Amz-Expires=300&X-Amz-Signature=446549166c473cd86dbddae2d4a99d199c07162b40d0db7e110e2707824eb92f4a0X-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]  
--2023-12-15 04:19:20-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/94422621/68f28a34-dcd3-4e48-bae8-5327da6d546e?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20231215%2Fus-east-1%2F%2Faws4_request&X-Amz-Date=20231215T091921Z&X-Amz-Expires=300&X-Amz-Signature=446549166c473cd86dbddae2d4a99d199c07162b40d0db7e110e2707824eb92f4a0X-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, 185.199.111.133, 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: 203144 (198K) [application/octet-stream]  
Saving to: 'gameshell.sh'  
  
gameshell.sh 100%[>] 198.38K 631KB/s in 0.3s  
  
2023-12-15 04:19:21 (631 KB/s) - 'gameshell.sh' saved [203144/203144]
```

Quindi continuiamo installando il gioco con il comando fornito nelle slide del progetto.

una volta installato possiamo vedere ill messaggio di benvenuto



E possiamo iniziare la nostra prima missione che ci richiede di raggiungere la vetta della torre principale utilizzando i comandi di Linux, nel nostro caso *pwd* per la

posizione in cui ci troviamo, *ls* per sapere la lista di directory presente e *cd* per cambiare la directory e quindi proseguire.

```
File Actions Edit View Help
| gsh reset
| Restart the mission from the beginning.
|
| Remarks
|
| UPPERCASE words appearing in commands are meta-variables: you need to replace them by appropriate (string) values.
|
| Most filesystems treat uppercase and lowercase characters differently. Make sure you use the correct path.
|
| (*)
| \
| }

[mission 1] $ pwd
/home/kali/gameshell/World
[mission 1] $ ls
Castle Forest Garden Mountain Stall
[mission 1] $ cd castle
bash: cd: castle: No such file or directory
[mission 1] $ cd Castle
[mission 1] $ ls
Cellar Great_hall Main_building Main_tower Observatory
[mission 1] $ cd Main_tower
[mission 1] $ ls
First_floor
[mission 1] $ cd First_floor
[mission 1] $ ls
Second_floor
[mission 1] $ cd Second_floor
[mission 1] $ ls
Top_of_the_tower
[mission 1] $ cd Top_of_the_tower
```

ecco alcuni screen degli altri livelli

```
[mission 2] $ cd --
[mission 2] $ ls
Castle Forest Garden Mountain Stall
[mission 2] $ cd Castle
[mission 2] $ cd Cellar
[mission 2] $ gsh check

Congratulations, mission 2 has been successfully completed!
```

```
File Actions Edit View Help
[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!

Well done!!!
From now on, the current location will be shown just before the command prompt.

KALI LINUX
"the quieter you become, the more you are able to hear"
```



```
File Actions Edit View Help
|
| Secondary objective
|
| Learn how to use the "Tab" key to go faster.
|
| Useful commands
|
| ls -A
| List all the files of the current directory, including hidden files. (A file is "hidden" when its name starts with a dot.)
|
| Tab
| The tabulation key "completes" the name of a file or directory once you have typed the beginning of its name. This only works
| if there is only one possible completion.
|
| Tab-Tab
| Pressing tabulation twice successively shows a list of possible completions.
|
| )=(
|
| "the quieter you become, the more you are able to hear"
|
~/Garden
[mission 7] $ ls -a
. .13701_coin_3 .40867_coin_1 .64849_coin_2 Flower_garden Maze Shed

~/Garden
[mission 7] $ mv .13701_coin_3 .40867_coin_1 .64849_coin_2 ~/Forest/Hut/Chest

~/Garden
[mission 7] $ gsh check

Congratulations, mission 7 has been successfully completed!
```