

# 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.
```

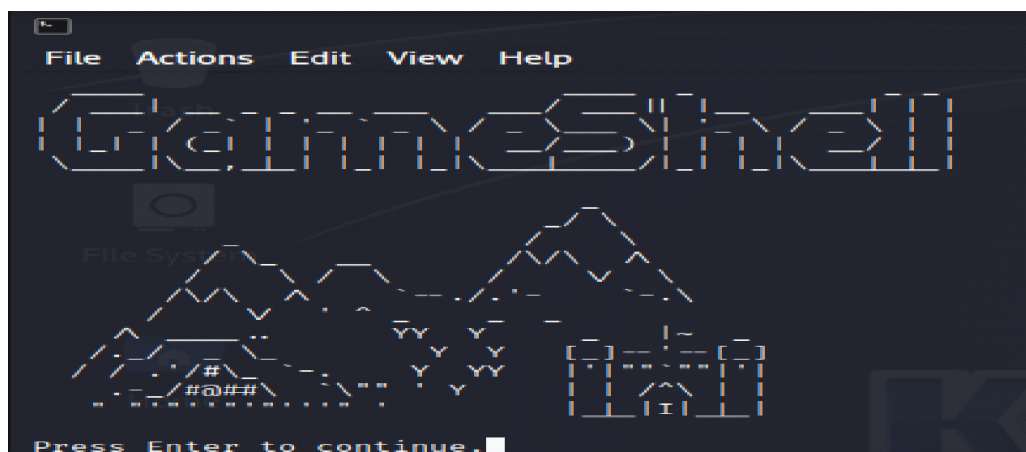
```
kali@kali: ~  
File Actions Edit View Help  
❏(kali@kali)-[~]  
└─$ sudo apt install gettext man-db procps psmisc nano tree bsdmainutils x11-apps wget  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
psmisc is already the newest version (23.6-1).  
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://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%2Ffilename%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%2Ffilename%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 il 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.

```
kali@kali ~  
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
```