

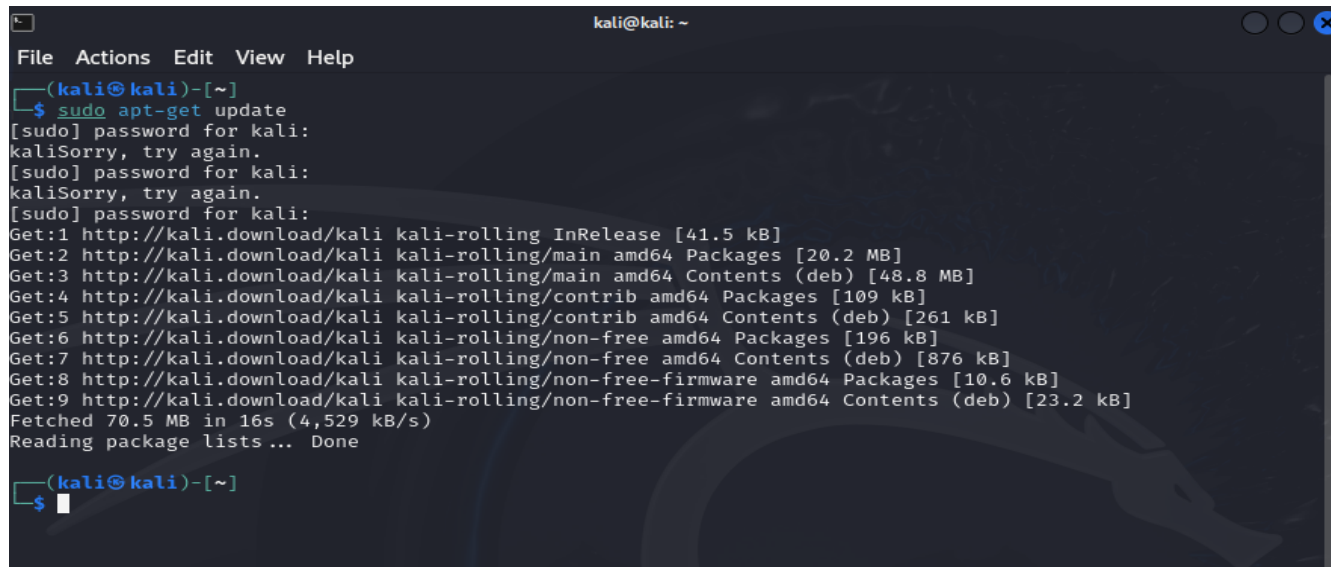
# Laboratorio 10/12/2024 S3-L2

## Esercizio di oggi:

Nell'esercizio di oggi installeremo su Kali Linux un gioco per familiarizzare con i comandi della shell.

Innanzitutto ci assicuriamo di essere connessi ad Internet, poi effettuiamo il comando:

`sudo apt-get update`

A terminal window titled 'kali@kali: ~' with a menu bar (File, Actions, Edit, View, Help). The prompt is '(kali@kali)-[~]'. The command '\$ sudo apt-get update' is entered. The output shows the password prompt, three failed attempts, and then the successful execution of the update command. The output lists the download of various packages and their contents, including kali-rolling InRelease, main amd64 Packages, contrib amd64 Packages, non-free amd64 Packages, and non-free-firmware amd64 Packages. The total size fetched is 70.5 MB in 16 seconds at 4,529 kB/s. The prompt returns to '\$'.

```
kali@kali: ~
File Actions Edit View Help
(kali@kali)-[~]
$ sudo apt-get update
[sudo] password for kali:
kaliSorry, try again.
[sudo] password for kali:
kaliSorry, try again.
[sudo] password for kali:
Get:1 http://kali.download/kali kali-rolling InRelease [41.5 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 Packages [20.2 MB]
Get:3 http://kali.download/kali kali-rolling/main amd64 Contents (deb) [48.8 MB]
Get:4 http://kali.download/kali kali-rolling/contrib amd64 Packages [109 kB]
Get:5 http://kali.download/kali kali-rolling/contrib amd64 Contents (deb) [261 kB]
Get:6 http://kali.download/kali kali-rolling/non-free amd64 Packages [196 kB]
Get:7 http://kali.download/kali kali-rolling/non-free amd64 Contents (deb) [876 kB]
Get:8 http://kali.download/kali kali-rolling/non-free-firmware amd64 Packages [10.6 kB]
Get:9 http://kali.download/kali kali-rolling/non-free-firmware amd64 Contents (deb) [23.2 kB]
Fetched 70.5 MB in 16s (4,529 kB/s)
Reading package lists ... Done
(kali@kali)-[~]
$
```

A questo punto procediamo con i seguenti comandi per installare il gioco:

# sudo apt install gettext man-db procps psmisc nano tree bsdmainutils x11-apps wget

# wget <https://github.com/phyver/GameShell/releases/download/latest/gameshell.sh>

```
(kali@kali)~$ sudo apt install gettext man-db procps psmisc nano tree bsdmainutils x11-apps wget
psmisc is already the newest version (23.7-1).
psmisc set to manually installed.
x11-apps is already the newest version (7.7+11+b1).
x11-apps set to manually installed.
Upgrading:
  libproc2-0  man-db  nano  procps  tree  wget

Installing:
  bsdmainutils  gettext

Installing dependencies:
  ncal

Suggested packages:
  calendar vacation mailutils autopoint gettext-doc libasprintf-dev libgettextpo-dev

Summary:
  Upgrading: 6, Installing: 3, Removing: 0, Not Upgrading: 1877
  Download size: 5,670 kB
  Space needed: 7,353 kB / 63.7 GB available

Get:1 http://kali.download/kali kali-rolling/main amd64 nano amd64 8.2-1 [640 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 libproc2-0 amd64 2:4.0.4-6 [64.8 kB]
Get:3 http://kali.download/kali kali-rolling/main amd64 procps amd64 2:4.0.4-6 [879 kB]
Get:4 http://kali.download/kali kali-rolling/main amd64 man-db amd64 2.13.0-1 [1,420 kB]
Get:5 http://http.kali.org/kali kali-rolling/main amd64 wget amd64 1.24.5-2+b1 [981 kB]
Get:6 http://kali.download/kali kali-rolling/main amd64 ncal amd64 12.1.8 [19.7 kB]
Get:7 http://kali.download/kali kali-rolling/main amd64 bsdmainutils all 12.1.8 [5,952 B]
Get:8 http://kali.download/kali kali-rolling/main amd64 gettext amd64 0.22.5-2 [1,601 kB]
Get:9 http://kali.download/kali kali-rolling/main amd64 tree amd64 2.2.1-1 [59.4 kB]
Fetched 5,670 kB in 2s (3,675 kB/s)
Preconfiguring packages ...
(Reading database ... 395765 files and directories currently installed.)
Preparing to unpack .../0-nano-8.2-1_amd64.deb ...
Unpacking nano (8.2-1) over (8.1-1) ...
Preparing to unpack .../1-libproc2-0_2%3a4.0.4-6_amd64.deb ...
Unpacking libproc2-0:amd64 (2:4.0.4-6) over (2:4.0.4-5) ...
Preparing to unpack .../2-procps_2%3a4.0.4-6_amd64.deb ...
Unpacking procps (2:4.0.4-6) over (2:4.0.4-5) ...
Preparing to unpack .../3-man-db_2.13.0-1_amd64.deb ...
Unpacking man-db (2.13.0-1) over (2.12.1-2) ...
Preparing to unpack .../4-wget_1.24.5-2+b1_amd64.deb ...
Unpacking wget (1.24.5-2+b1) over (1.24.5-1) ...
Selecting previously unselected package ncal.
Preparing to unpack .../5-ncal_12.1.8_amd64.deb ...
Unpacking ncal (12.1.8) ...
Selecting previously unselected package bsdmainutils.
Preparing to unpack .../6-bsdmainutils_12.1.8_all.deb ...
Unpacking bsdmainutils (12.1.8) ...
```

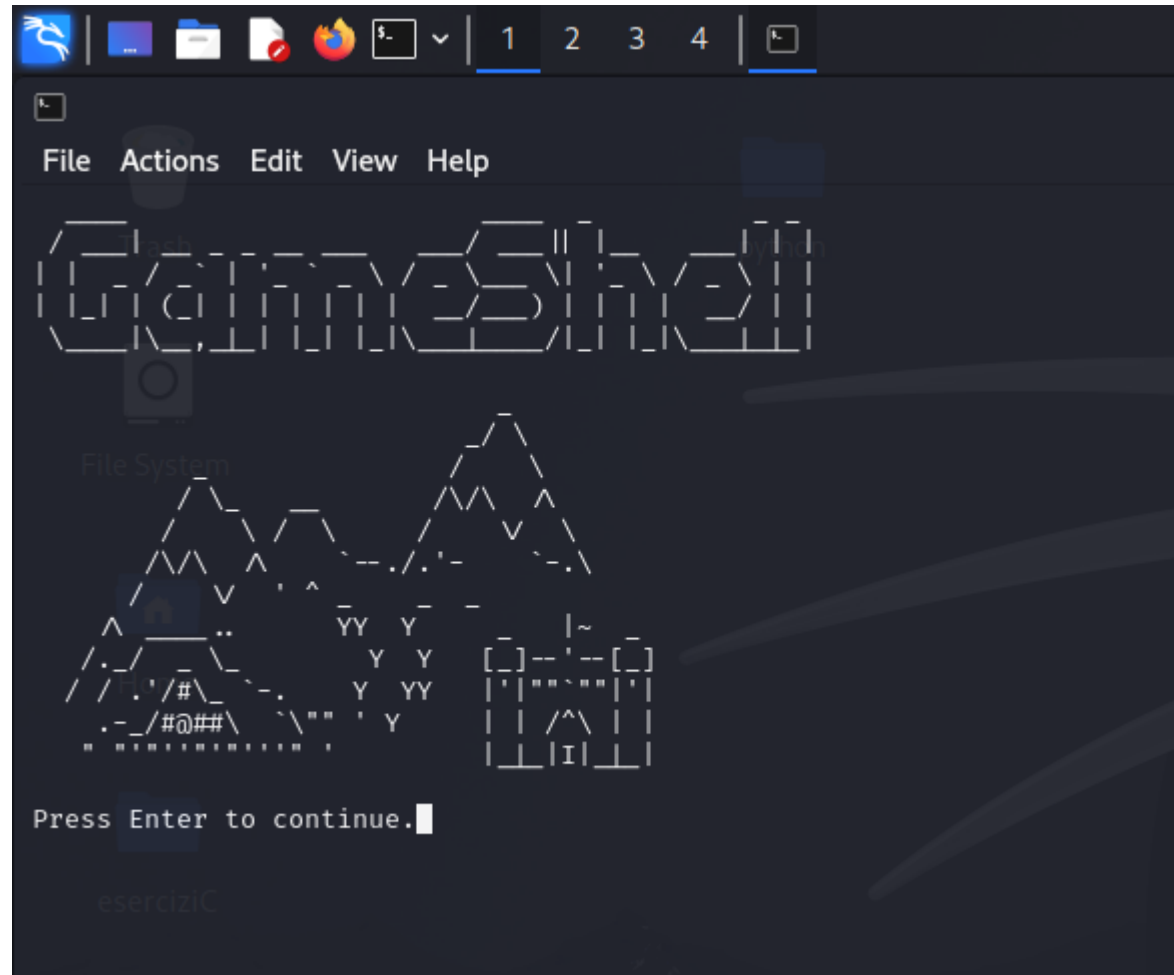
```
(kali@kali)~$ wget https://github.com/phyver/GameShell/releases/download/latest/gameshell.sh
--2024-12-10 08:31:22-- https://github.com/phyver/GameShell/releases/download/latest/gameshell.sh
Resolving github.com (github.com)... 140.82.121.4
Connecting to github.com (github.com)|140.82.121.4|:443 ... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://objects.githubusercontent.com/github-production-release-asset-2e65be/94422621/4cae9f55-4d54-4497-89c1-9242dc45a214?
aws4_request6X-Amz-Date=20241210T133122Z6X-Amz-Expires=3006X-Amz-Signature=4b444b4560088f07de1dbe94ee4abda499c205555767dd5a930af3a7d0
sponse-content-type=application%2Foctet-stream [following]
--2024-12-10 08:31:22-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/94422621/4cae9f55-4d54-4497-89c
-east-1%2Fs3%2Faws4_request6X-Amz-Date=20241210T133122Z6X-Amz-Expires=3006X-Amz-Signature=4b444b4560088f07de1dbe94ee4abda499c20555576
gameshell.sh?response-content-type=application%2Foctet-stream
Resolving objects.githubusercontent.com (objects.githubusercontent.com)... 185.199.109.133, 185.199.110.133, 185.199.111.133, ...
Connecting to objects.githubusercontent.com (objects.githubusercontent.com)|185.199.109.133|:443 ... connected.
HTTP request sent, awaiting response... 200 OK
Length: 206669 (202K) [application/octet-stream]
Saving to: 'gameshell.sh'

gameshell.sh                               100%[=====]

2024-12-10 08:31:23 (6.28 MB/s) - 'gameshell.sh' saved [206669/206669]
```

Ora siamo pronti a lanciare il gioco con il comando:

```
# bash gameshell.sh
```



Ora che il gioco è in esecuzione ci divertiremo a completare alcuni livelli, qui sotto vediamo la soluzione dei primi 2:

```
File Actions Edit View Help
[mission 1] $ cd Castle
[use 'gsh help' to get a list of available commands]
[mission 1] $ ls
Cellar Great_hall Main_building Main_tower Observatory

[use 'gsh help' to get a list of available commands]
[mission 1] $ cd Main_tower

[use 'gsh help' to get a list of available commands]
[mission 1] $ ls
First_floor

[use 'gsh help' to get a list of available commands]
[mission 1] $ cd First_floor

[use 'gsh help' to get a list of available commands]
[mission 1] $ ls
Second_floor

[use 'gsh help' to get a list of available commands]
[mission 1] $ cd Second_floor

[use 'gsh help' to get a list of available commands]
[mission 1] $ ls
Top_of_the_tower

[use 'gsh help' to get a list of available commands]
[mission 1] $ cd Top_of_the_tower

[use 'gsh help' to get a list of available commands]
[mission 1] $ ls

[use 'gsh help' to get a list of available commands]
[mission 1] $ pwd
/home/kali/gameshell/World/Castle/Main_tower/First_floor/Second_floor/Top_of_the_tower

[use 'gsh help' to get a list of available commands]
[mission 1] $ gsh check

Congratulations, mission 1 has been successfully completed!

|
| Use the command
| $ gsh help
| to get the list of "gsh" commands.
|
|
[mission 2] $
```

```
File Actions Edit View Help
reset the current mission

[use 'gsh help' to get a list of available commands]
[mission 2] $ ls

[use 'gsh help' to get a list of available commands]
[mission 2] $ pwd
/home/kali/gameshell/World/Castle/Main_tower/First_floor/Second_floor/Top_of_the_tower

[use 'gsh help' to get a list of available commands]
[mission 2] $ cd ..

[use 'gsh help' to get a list of available commands]
[mission 2] $ cd ..

[use 'gsh help' to get a list of available commands]
[mission 2] $ cd ..

[use 'gsh help' to get a list of available commands]
[mission 2] $ ls
First_floor

[use 'gsh help' to get a list of available commands]
[mission 2] $ cd ..

[use 'gsh help' to get a list of available commands]
[mission 2] $ ls
Cellar Great_hall Main_building Main_tower Observatory

[use 'gsh help' to get a list of available commands]
[mission 2] $ cd Cellar

[use 'gsh help' to get a list of available commands]
[mission 2] $ gsh check

Congratulations, mission 2 has been successfully completed!

|
| Use the command
| $ gsh help
| to get the list of "gsh" commands.
|
|
[mission 3] $
```