

# Actividad 15

Un archivo txt fue subido por la VM con estas preguntas

¿Por qué un lenguaje de programación sólo puede utilizarse en algunos sistemas operativos y en otros no?.

Las instrucciones (código) tienen que pasarse a un código que la máquina entienda mediante compilación. Toma el código fuente y lo transforma en el programa ejecutable escrito en código máquina, listo para ser ejecutado en nuestra máquina. Que funcione o no en otros sistemas operativos depende del código máquina, del ejecutable. Este debe poder ejecutarse correctamente siempre y cuando la máquina donde se compile sea similar a donde se ejecute: tener similar arquitectura de CPU y un sistema operativo similar.

- ¿Qué tipo de máquina virtual es virtualBox?.

Es una máquina virtual de sistema. Emula un sistema operativo. Utiliza hipervisor de tipo 2 para virtualizar sistemas operativos dentro de nuestra computadora.

- Si tengo más de una máquina virtual instalada, y una se rompe, ¿esto afecta a las demás? ¿por qué?

No afecta a las demás porque cada VM funciona como una computadora individual, independiente del resto.

- Subir este archivo a la mochila del viajero.

Instalación de Git en VM

```
root@virginia-QEMU-Virtual-Machine: /home/virginia
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

virginia@virginia-QEMU-Virtual-Machine:~$ ping -c 2 www.digitalhouse.com.ar
PING digitalhouse.com.ar (54.37.156.117) 56(84) bytes of data.
64 bytes from 117.ip-54-37-156.eu (54.37.156.117): icmp_seq=1 ttl=45 time=258 ms
64 bytes from 117.ip-54-37-156.eu (54.37.156.117): icmp_seq=2 ttl=45 time=257 ms

--- digitalhouse.com.ar ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1005ms
rtt min/avg/max/mdev = 257.460/257.817/258.175/0.357 ms
virginia@virginia-QEMU-Virtual-Machine:~$ su root
Password:
su: Authentication failure
virginia@virginia-QEMU-Virtual-Machine:~$ sudo password root
[sudo] password for virginia:
sudo: password: command not found
virginia@virginia-QEMU-Virtual-Machine:~$ sudo password root
sudo: password: command not found
virginia@virginia-QEMU-Virtual-Machine:~$ sudo passwd root
New password:
Retype new password:
passwd: password updated successfully
virginia@virginia-QEMU-Virtual-Machine:~$ apt-get install git
```

```
root@virginia-QEMU-Virtual-Machine: /home/virginia
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontent), are you root?
virginia@virginia-QEMU-Virtual-Machine:~$ su root
Password:
root@virginia-QEMU-Virtual-Machine:/home/virginia# apt-get install git
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  git-man liberror-perl
Suggested packages:
  git-daemon-run | git-daemon-sysvinit git-doc git-el git-email git-gui gitk
  gitweb git-cvs git-mediawiki git-svn
The following NEW packages will be installed:
  git git-man liberror-perl
0 upgraded, 3 newly installed, 0 to remove and 1 not upgraded.
Need to get 5.269 kB of archives.
After this operation, 37,7 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://ar.ports.ubuntu.com/ubuntu-ports focal/main arm64 liberror-perl all
  0.17029-1 [26,5 kB]
Get:2 http://ar.ports.ubuntu.com/ubuntu-ports focal-updates/main arm64 git-man a
  ll 1:2.25.1-1ubuntu3.10 [887 kB]
Get:3 http://ar.ports.ubuntu.com/ubuntu-ports focal-updates/main arm64 git arm64
```

```
root@virginia-QEMU-Virtual-Machine: /home/virginia
0 upgraded, 3 newly installed, 0 to remove and 1 not upgraded.
Need to get 5.269 kB of archives.
After this operation, 37,7 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://ar.ports.ubuntu.com/ubuntu-ports focal/main arm64 liberror-perl all 0.17029-1 [26,5 kB]
Get:2 http://ar.ports.ubuntu.com/ubuntu-ports focal-updates/main arm64 git-man all 1:2.25.1-1ubuntu3.10 [887 kB]
Get:3 http://ar.ports.ubuntu.com/ubuntu-ports focal-updates/main arm64 git arm64 1:2.25.1-1ubuntu3.10 [4.356 kB]
Fetched 5.269 kB in 5s (1.117 kB/s)
Selecting previously unselected package liberror-perl.
(Reading database ... 145849 files and directories currently installed.)
Preparing to unpack .../liberror-perl_0.17029-1_all.deb ...
Unpacking liberror-perl (0.17029-1) ...
Selecting previously unselected package git-man.
Preparing to unpack .../git-man_1%3a2.25.1-1ubuntu3.10_all.deb ...
Unpacking git-man (1:2.25.1-1ubuntu3.10) ...
Selecting previously unselected package git.
Preparing to unpack .../git_1%3a2.25.1-1ubuntu3.10_arm64.deb ...
Unpacking git (1:2.25.1-1ubuntu3.10) ...
Setting up liberror-perl (0.17029-1) ...
Setting up git-man (1:2.25.1-1ubuntu3.10) ...
Setting up git (1:2.25.1-1ubuntu3.10) ...
Processing triggers for man-db (2.9.1-1) ...
root@virginia-QEMU-Virtual-Machine:/home/virginia# git --version
git version 2.25.1
root@virginia-QEMU-Virtual-Machine:/home/virginia#
```

Commit hecho en VM Ubuntu

```
virginia@virginia-QEMU-Virtual-Machine: ~/Desktop/DH/Mochila_C30223
nothing added to commit but untracked files present (use "git add" to track)
virginia@virginia-QEMU-Virtual-Machine:~/Desktop/DH/Mochila_C30223$ git add .
virginia@virginia-QEMU-Virtual-Machine:~/Desktop/DH/Mochila_C30223$ git status
On branch Balducci_Virginia
Your branch is up to date with 'origin/Balducci_Virginia'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   Tercera Entrega/Clase 14- Virtual Macchine/Alumnos/Virginia_Balducci/Actividad15.txt

virginia@virginia-QEMU-Virtual-Machine:~/Desktop/DH/Mochila_C30223$ git commit -m "Subo entrega actividad 15.txt"
[Balducci_Virginia 4de498a] Subo entrega actividad 15.txt
 1 file changed, 11 insertions(+)
   create mode 100644 Tercera Entrega/Clase 14- Virtual Macchine/Alumnos/Virginia_Balducci/Actividad15.txt
virginia@virginia-QEMU-Virtual-Machine:~/Desktop/DH/Mochila_C30223$ git status
On branch Balducci_Virginia
Your branch is ahead of 'origin/Balducci_Virginia' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
virginia@virginia-QEMU-Virtual-Machine:~/Desktop/DH/Mochila_C30223$ git push origin Balducci_Virginia
Username for 'https://github.com': virginiabalducci
Password for 'https://virginiabalducci@github.com':
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 8 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (7/7), 1.11 KiB | 1.11 MiB/s, done.
Total 7 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/jpereyradh/Mochila_C30223
   d2fa2ba..4de498a  Balducci_Virginia -> Balducci_Virginia
virginia@virginia-QEMU-Virtual-Machine:~/Desktop/DH/Mochila_C30223$ git status
On branch Balducci_Virginia
Your branch is up to date with 'origin/Balducci_Virginia'.

nothing to commit, working tree clean
virginia@virginia-QEMU-Virtual-Machine:~/Desktop/DH/Mochila_C30223$
```