



## Tercera entrega

Introducción a la Informática  
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## Entrega 3: Obligatoria

verificar que tengamos conexión a Internet, para esto utilizaremos el comando ping: **ping -c 2 www.digitalhouse.com.ar**

```
ubuntu@ubuntu2004: ~
ubuntu@ubuntu2004:~$ 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=48 time=183 ms
64 bytes from 117.ip-54-37-156.eu (54.37.156.117): icmp_seq=2 ttl=48 time=204 ms

--- digitalhouse.com.ar ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1003ms
rtt min/avg/max/mdev = 182.784/193.280/203.777/10.496 ms
```

Como la máquina virtual es nueva se agrega la clave root con el comando **sudo passwd root**

```
ubuntu@ubuntu2004:~$ sudo passwd root
New password:
Retype new password:
Sorry, passwords do not match.
passwd: Authentication token manipulation error
passwd: password unchanged
ubuntu@ubuntu2004:~$ sudo passwd root
New password:
Retype new password:
passwd: password updated successfully
```

Instalar Git a través del comando: **apt-get install git**

```
ubuntu@ubuntu2004:~$ su root
Password:
root@ubuntu2004:/home/ubuntu# 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 0 not upgraded.
Need to get 5,464 kB of archives.
After this operation, 38.4 MB of additional disk space will be used.
Do you want to continue? [Y/n]
```

Probar que git haya quedado instalado: **git --version**

```
root@ubuntu2004:/home/ubuntu# git --version
git version 2.25.1
```

## Entrega 3: Opcional

Clonar mochilla del viajero

```
root@ubuntu2004:/home/ubuntu/Desktop/Mochila# git clone https://github.com/robertotorfe/Camada-1
Cloning into 'Camada-1'...
remote: Enumerating objects: 950, done.
remote: Counting objects: 100% (950/950), done.
remote: Compressing objects: 100% (770/770), done.
remote: Total 950 (delta 284), reused 778 (delta 130), pack-reused 0
Receiving objects: 100% (950/950), 31.23 MiB | 224.00 KiB/s, done.
Resolving deltas: 100% (284/284), done.
root@ubuntu2004:/home/ubuntu/Desktop/Mochila#
```

Moviendo el archivo txt al directorio **3\_tercera\_entrega** y agregamos con add únicamente el cambio en el archivo **entrega3.txt**

```
root@ubuntu2004:/home/ubuntu/Desktop/Mochila# ls
Camada-1  entrega3.txt
root@ubuntu2004:/home/ubuntu/Desktop/Mochila# mv entrega3.txt Camada-1
root@ubuntu2004:/home/ubuntu/Desktop/Mochila# cd Camada-1
root@ubuntu2004:/home/ubuntu/Desktop/Mochila/Camada-1# ls
1_primera_entrega 2_segunda_entrega 3_tercera_entrega 4_cuarta_entrega 5_quinta_entrega entrega3.txt README.md
root@ubuntu2004:/home/ubuntu/Desktop/Mochila/Camada-1# mv entrega3.txt 3_tercera_entrega
root@ubuntu2004:/home/ubuntu/Desktop/Mochila/Camada-1# cd 3_tercera_entrega
root@ubuntu2004:/home/ubuntu/Desktop/Mochila/Camada-1/3_tercera_entrega# ls
entrega3.txt README.md
root@ubuntu2004:/home/ubuntu/Desktop/Mochila/Camada-1/3_tercera_entrega# git checkout Rodriguez_Nataly
M      2_segunda_entrega/Segunda_Entrega_Rodriguez_Nataly.pdf
Already on 'Rodriguez_Nataly'
Your branch is behind 'origin/Rodriguez_Nataly' by 1 commit, and can be fast-forwarded.
(use "git pull" to update your local branch)
root@ubuntu2004:/home/ubuntu/Desktop/Mochila/Camada-1/3_tercera_entrega# git status
On branch Rodriguez_Nataly
Your branch is behind 'origin/Rodriguez_Nataly' by 1 commit, and can be fast-forwarded.
(use "git pull" to update your local branch)

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   ../2_segunda_entrega/Segunda_Entrega_Rodriguez_Nataly.pdf

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    entrega3.txt

root@ubuntu2004:/home/ubuntu/Desktop/Mochila/Camada-1/3_tercera_entrega# git add entrega3.txt
root@ubuntu2004:/home/ubuntu/Desktop/Mochila/Camada-1/3_tercera_entrega# git status
On branch Rodriguez_Nataly
Your branch is behind 'origin/Rodriguez_Nataly' by 1 commit, and can be fast-forwarded.
```

Se hace el commit.

Para hacer push, requiere poner el token

```
root@ubuntu2004:/home/ubuntu/Desktop/Mochila/Camada-1/3_tercera_entrega# git push origin Rodriguez_Nataly
Username for 'https://github.com': nattury
Password for 'https://nattury@github.com':
remote: Support for password authentication was removed on August 13, 2021. Please use a personal access token instead.
remote: Please see https://github.blog/2020-12-15-token-authentication-requirements-for-git-operations/ for more information.
fatal: Authentication failed for 'https://github.com/robertotorfe/Camada-1/'
root@ubuntu2004:/home/ubuntu/Desktop/Mochila/Camada-1/3_tercera_entrega# ^C
root@ubuntu2004:/home/ubuntu/Desktop/Mochila/Camada-1/3_tercera_entrega# git push -u origin Rodriguez_Nataly
Username for 'https://github.com': nattury
Password for 'https://nattury@github.com':
To https://github.com/robertotorfe/Camada-1
 ! [rejected]        Rodriguez_Nataly -> Rodriguez_Nataly (non-fast-forward)
error: failed to push some refs to 'https://github.com/robertotorfe/Camada-1'
hint: Updates were rejected because the tip of your current branch is behind
hint: its remote counterpart. Integrate the remote changes (e.g.
hint: 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
root@ubuntu2004:/home/ubuntu/Desktop/Mochila/Camada-1/3_tercera_entrega#
```

Requiere **pull -rebase** y luego se hace el push

```
hint: 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
root@ubuntu2004:/home/ubuntu/Desktop/Mochila/Camada-1/3_tercera_entrega# ^C
root@ubuntu2004:/home/ubuntu/Desktop/Mochila/Camada-1/3_tercera_entrega# git pull --rebase
First, rewinding head to replay your work on top of it...
Applying: Cargando desde mv wiii
Using index info to reconstruct a base tree...
M       2_segunda_entrega/Segunda_Entrega_Rodriguez_Nataly.pdf
.git/rebase-apply/patch:194: trailing whitespace.
1. ¿Por qué un lenguaje de programación sólo puede utilizarse en algunos sistemas operativos y en otros no?
.git/rebase-apply/patch:196: trailing whitespace.
R// No depende del sistema operativo sino del modo de compilación del lenguaje y la adaptabilidad de este a los diversos tipos de sistemas. Ci
ertos dispositivos
.git/rebase-apply/patch:202: trailing whitespace.
sistemas operativos dentro de un ordenador existente, creando lo que conoce como "máquina virtual".
.git/rebase-apply/patch:207: new blank line at EOF.
+
warning: 4 lines add whitespace errors.
Falling back to patching base and 3-way merge...
root@ubuntu2004:/home/ubuntu/Desktop/Mochila/Camada-1/3_tercera_entrega# git push origin Rodriguez_Nataly
Username for 'https://github.com': nattury
Password for 'https://nattury@github.com':
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 2 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 838 bytes | 838.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/robertotorfe/Camada-1
 d885e74..9a99dc3 Rodriguez_Nataly -> Rodriguez_Nataly
root@ubuntu2004:/home/ubuntu/Desktop/Mochila/Camada-1/3_tercera_entrega#
```