

Informática básica

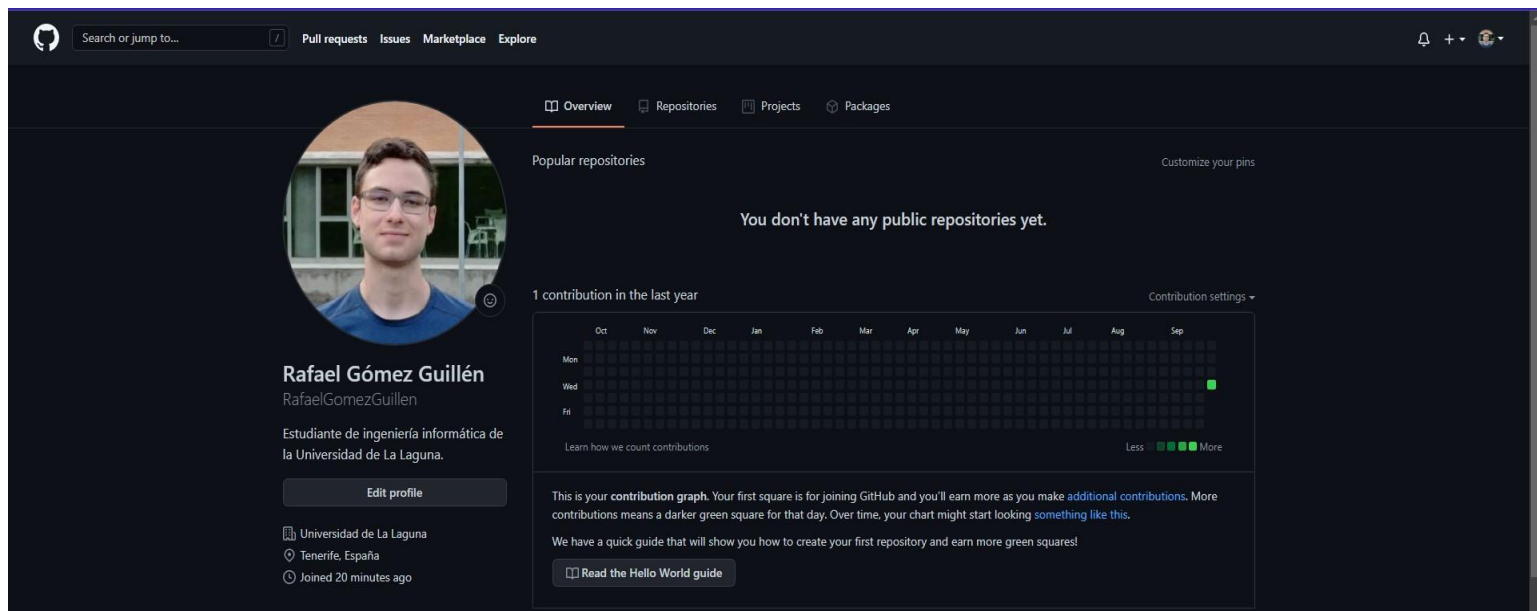
Modelo de Informe Práctica 1: El Entorno de trabajo IaaS para la asignatura

Apellidos y nombre: **Gómez Guillén, Rafael**

E-mail: alu0101462578@ull.edu.es

Dirección IP de la VM de la asignatura: **10.6.129.71**

Imagen 1: Perfil de la cuenta GitHub



The screenshot shows the GitHub profile of Rafael Gómez Guillén. The profile includes a circular profile picture of a young man with glasses, a bio stating he is a student of computer engineering at the University of La Laguna, and a location of Tenerife, Spain. The page also shows a contribution graph with a single green square on September 1st, indicating one contribution in the last year. The interface is in dark mode with a top navigation bar and a sidebar with links to Overview, Repositories, Projects, and Packages.

Search or jump to... Pull requests Issues Marketplace Explore

Overview Repositories Projects Packages

Popular repositories Customize your pins

You don't have any public repositories yet.

1 contribution in the last year Contribution settings

Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep

Mon

Wed

Fe

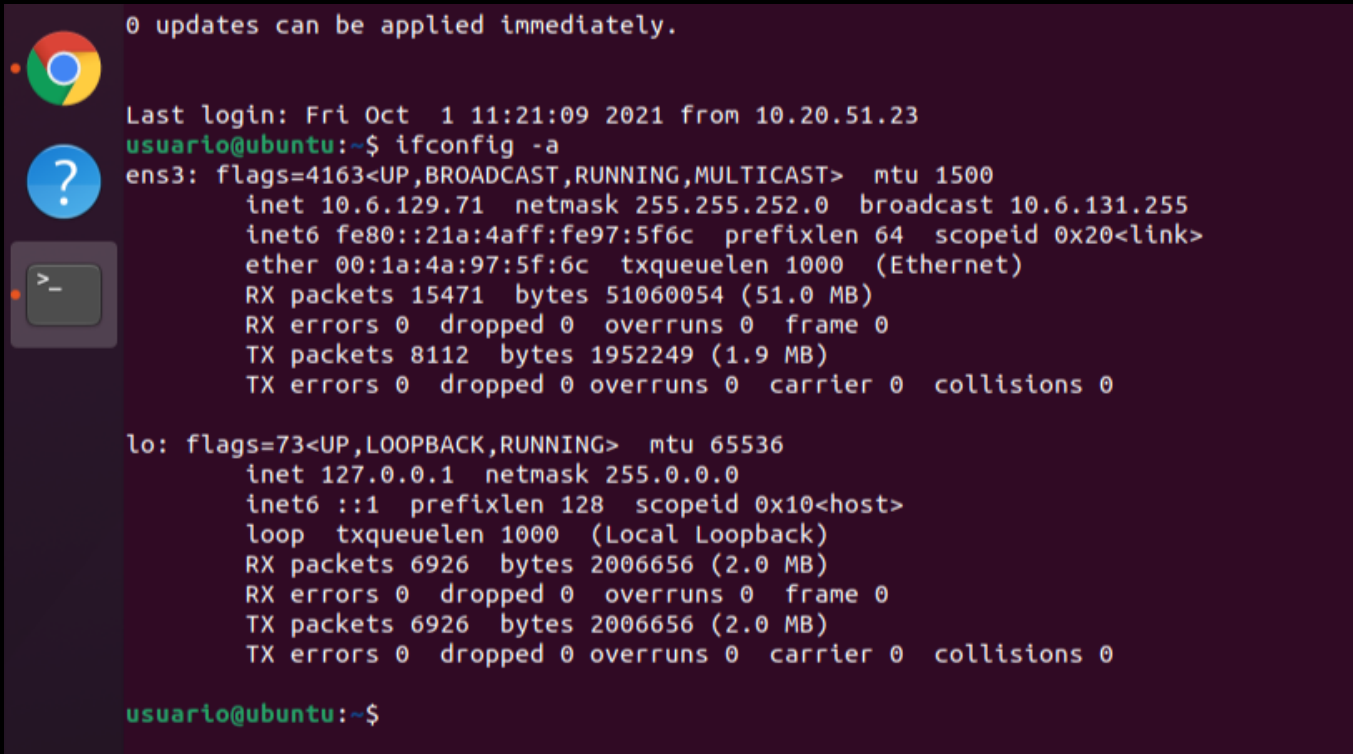
Learn how we count contributions Less More

This is your contribution graph. Your first square is for joining GitHub and you'll earn more as you make additional contributions. More contributions means a darker green square for that day. Over time, your chart might start looking something like this.

We have a quick guide that will show you how to create your first repository and earn more green squares!

Read the Hello World guide

Imagen 2: Terminal en la que se muestra el acceso realizado a la VM y la ejecución del comando `ifconfig -a`



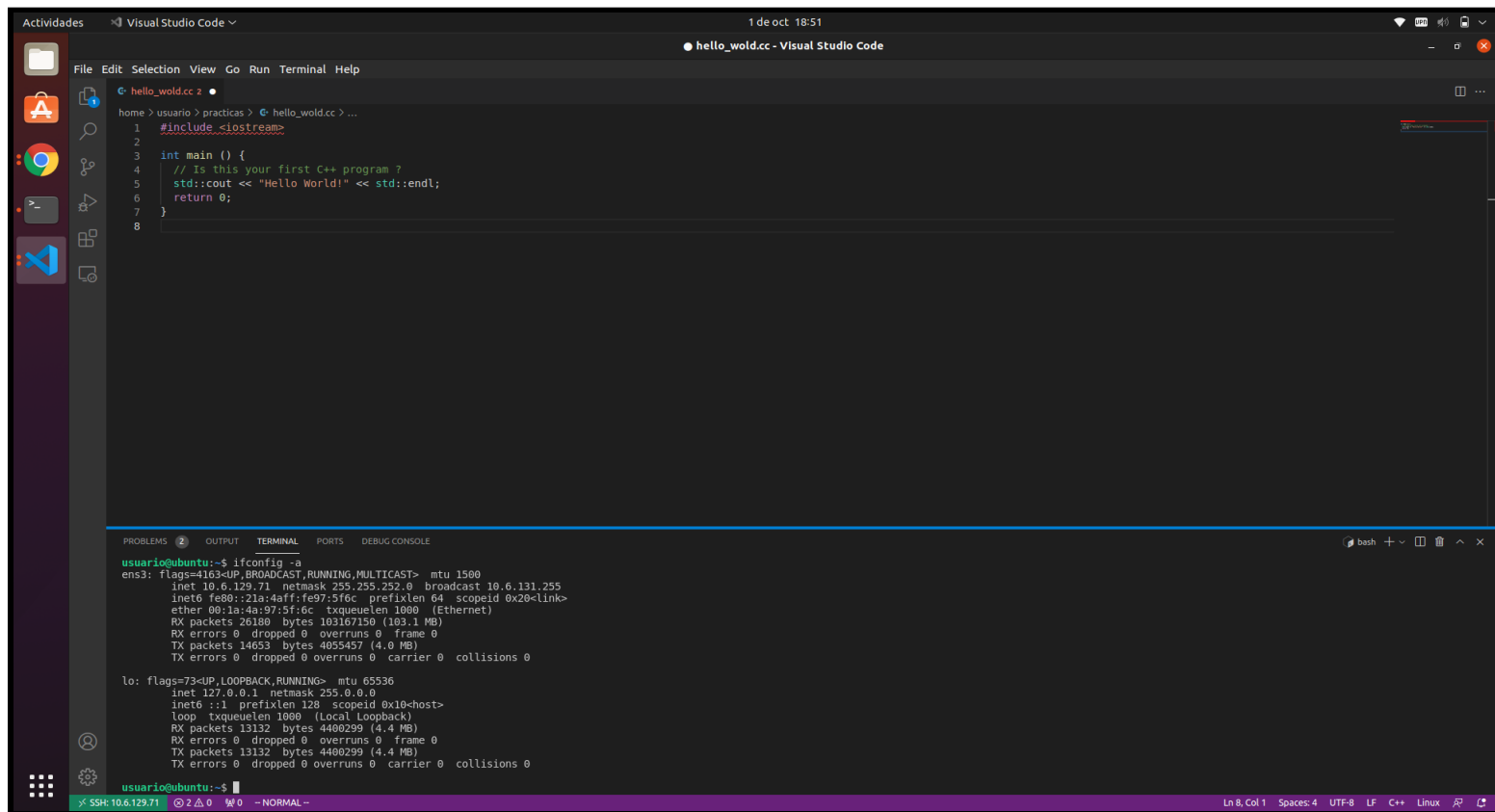
```
0 updates can be applied immediately.

Last login: Fri Oct  1 11:21:09 2021 from 10.20.51.23
usuario@ubuntu:~$ ifconfig -a
ens3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
    inet 10.6.129.71  netmask 255.255.252.0  broadcast 10.6.131.255
    inet6 fe80::21a:4aff:fe97:5f6c  prefixlen 64  scopeid 0x20<link>
    ether 00:1a:4a:97:5f:6c  txqueuelen 1000  (Ethernet)
    RX packets 15471  bytes 51060054 (51.0 MB)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 8112  bytes 1952249 (1.9 MB)
    TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
    inet 127.0.0.1  netmask 255.0.0.0
    inet6 ::1  prefixlen 128  scopeid 0x10<host>
    loop txqueuelen 1000  (Local Loopback)
    RX packets 6926  bytes 2006656 (2.0 MB)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 6926  bytes 2006656 (2.0 MB)
    TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0

usuario@ubuntu:~$
```

Imagen 3: Captura de pantalla del VSC que muestra la edición remota de un programa y el comando ejecutado en la terminal



The screenshot displays the Visual Studio Code interface for remote editing. The editor window shows a C++ file named `hello_wold.cc` with the following code:

```
1 #include <iostream>
2
3 int main () {
4     // Is this your first C++ program ?
5     std::cout << "Hello World!" << std::endl;
6     return 0;
7 }
8
```

The terminal at the bottom shows the output of the `ifconfig -a` command, displaying network interface details for `ens3` and `lo`.

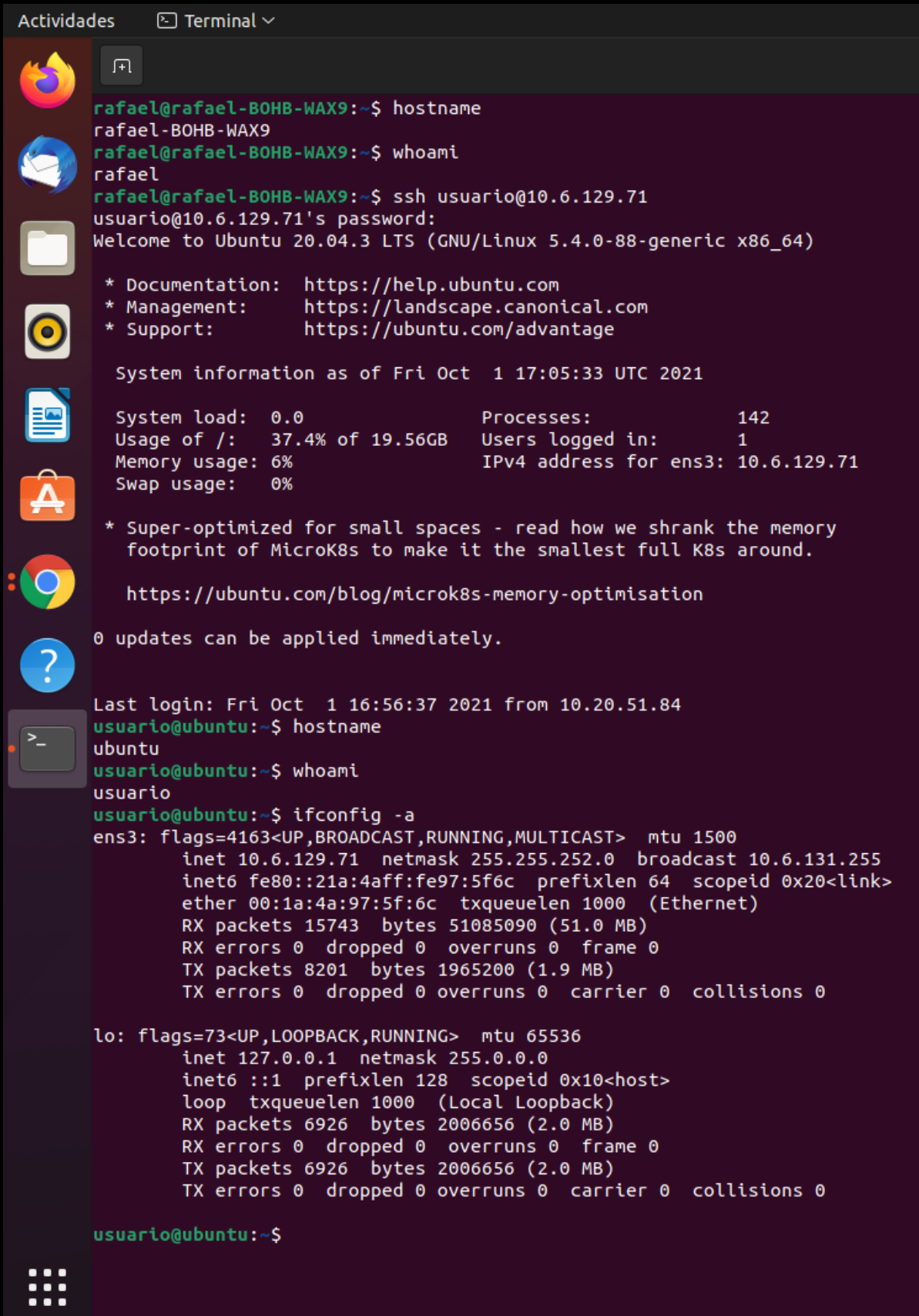
```
usuario@ubuntu:~$ ifconfig -a
ens3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
    inet 10.6.129.71 netmask 255.255.252.0  broadcast 10.6.131.255
    inet6 fe80::21a:4aff:fe97:5f6c prefixlen 64 scopeid 0x20<link>
    ether 00:1a:4a:97:5f:6c txqueuelen 1000 (Ethernet)
    RX packets 26180  bytes 102167150 (103.1 MB)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 14653  bytes 4055457 (4.0 MB)
    TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 13132  bytes 4400299 (4.4 MB)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 13132  bytes 4400299 (4.4 MB)
    TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0

usuario@ubuntu:~$
```

The status bar at the bottom indicates the file is located at `SSH: 10.6.129.71`, is 2 lines long, and is in a normal state. The language is set to C++ and the file encoding is UTF-8.

Imagen 4: Terminal de linux mostrando el proceso de establecimiento de conexión con la VM-iaaS



```
rafael@rafael-BOHB-WAX9:~$ hostname
rafael-BOHB-WAX9
rafael@rafael-BOHB-WAX9:~$ whoami
rafael
rafael@rafael-BOHB-WAX9:~$ ssh usuario@10.6.129.71
usuario@10.6.129.71's password:
Welcome to Ubuntu 20.04.3 LTS (GNU/Linux 5.4.0-88-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Fri Oct  1 17:05:33 UTC 2021

System load:  0.0               Processes:            142
Usage of /:   37.4% of 19.56GB   Users logged in:     1
Memory usage: 6%               IPv4 address for ens3: 10.6.129.71
Swap usage:  0%

 * Super-optimized for small spaces - read how we shrank the memory
   footprint of MicroK8s to make it the smallest full K8s around.

https://ubuntu.com/blog/microk8s-memory-optimisation

0 updates can be applied immediately.

Last login: Fri Oct  1 16:56:37 2021 from 10.20.51.84
usuario@ubuntu:~$ hostname
ubuntu
usuario@ubuntu:~$ whoami
usuario
usuario@ubuntu:~$ ifconfig -a
ens3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
    inet 10.6.129.71  netmask 255.255.252.0  broadcast 10.6.131.255
    inet6 fe80::21a:4aff:fe97:5f6c  prefixlen 64  scopeid 0x20<link>
    ether 00:1a:4a:97:5f:6c  txqueuelen 1000  (Ethernet)
    RX packets 15743  bytes 51085090 (51.0 MB)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 8201  bytes 1965200 (1.9 MB)
    TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
    inet 127.0.0.1  netmask 255.0.0.0
    inet6 ::1  prefixlen 128  scopeid 0x10<host>
    loop txqueuelen 1000  (Local Loopback)
    RX packets 6926  bytes 2006656 (2.0 MB)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 6926  bytes 2006656 (2.0 MB)
    TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0

usuario@ubuntu:~$
```