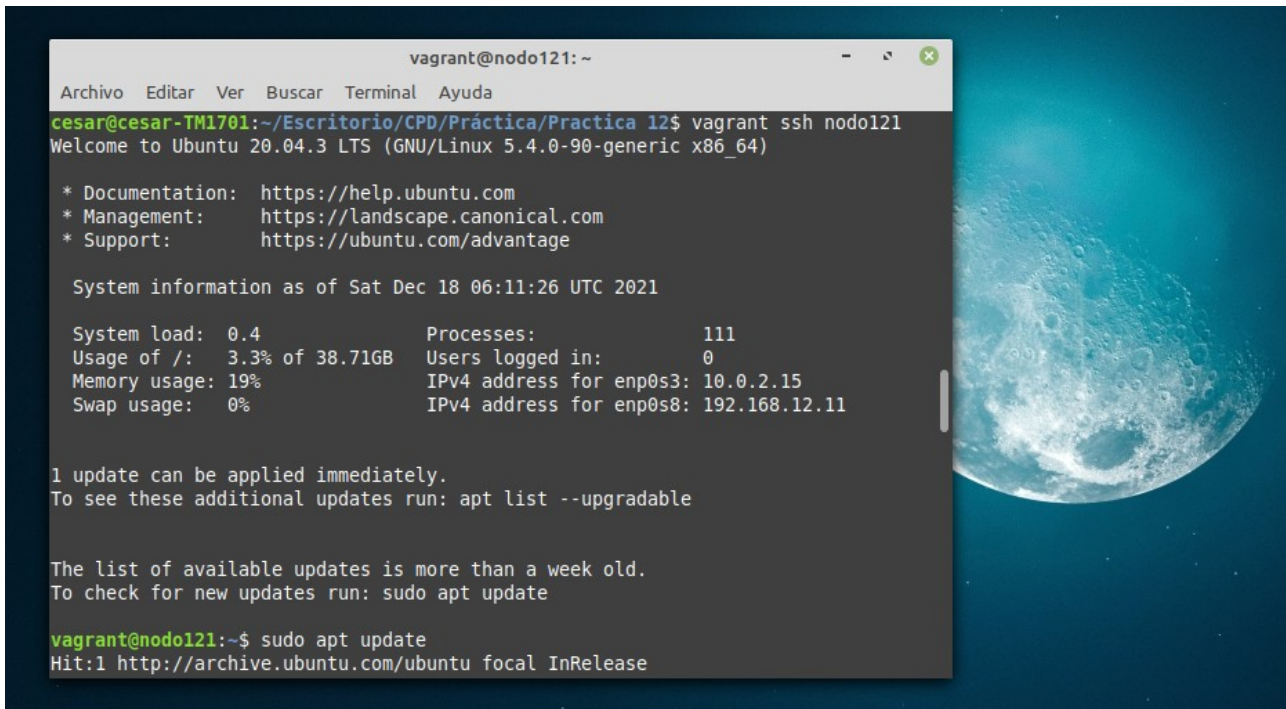
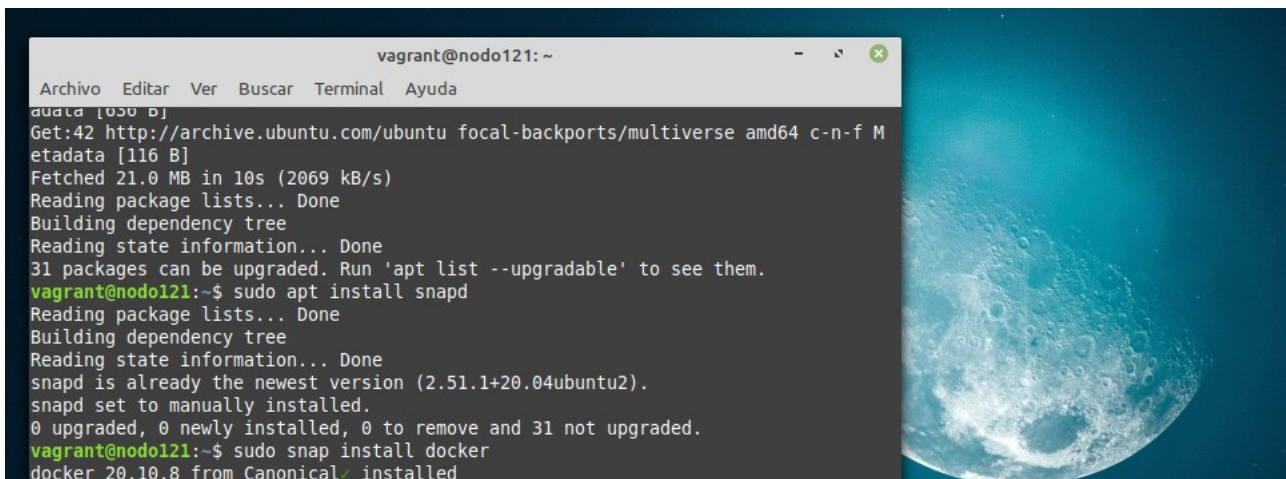


Practica 12

César Muñoz Reinoso



```
vagrant@nodo121:~  
Archivo Editar Ver Buscar Terminal Ayuda  
cesar@cesar-TM1701:~/Escritorio/CPD/Práctica/Practica 12$ vagrant ssh nodo121  
Welcome to Ubuntu 20.04.3 LTS (GNU/Linux 5.4.0-90-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
System information as of Sat Dec 18 06:11:26 UTC 2021  
  
System load:  0.4                Processes:            111  
Usage of /:   3.3% of 38.71GB    Users logged in:     0  
Memory usage: 19%              IPv4 address for enp0s3: 10.0.2.15  
Swap usage:  0%                IPv4 address for enp0s8: 192.168.12.11  
  
1 update can be applied immediately.  
To see these additional updates run: apt list --upgradable  
  
The list of available updates is more than a week old.  
To check for new updates run: sudo apt update  
  
vagrant@nodo121:~$ sudo apt update  
Hit:1 http://archive.ubuntu.com/ubuntu focal InRelease
```



```
vagrant@nodo121:~  
Archivo Editar Ver Buscar Terminal Ayuda  
Get:42 http://archive.ubuntu.com/ubuntu focal-backports/multiverse amd64 c-n-f M  
etadate [116 B]  
Fetched 21.0 MB in 10s (2069 kB/s)  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
31 packages can be upgraded. Run 'apt list --upgradable' to see them.  
vagrant@nodo121:~$ sudo apt install snapd  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
snapd is already the newest version (2.51.1+20.04ubuntu2).  
snapd set to manually installed.  
0 upgraded, 0 newly installed, 0 to remove and 31 not upgraded.  
vagrant@nodo121:~$ sudo snap install docker  
docker 20.10.8 from Canonical ✓ installed
```

docker-compose.yml

```
1  version: '2'
2
3  services:
4
5    influxdb:
6      image: influxdb:1.8.3
7      container_name: influxdb
8      ports:
9        - "8083:8083"
10       - "8086:8086"
11       - "8090:8090"
12      env_file:
13        - 'env.influxdb'
14      volumes:
15        - ./data_influxdb:/var/lib/influxdb
16
17    grafana:
18      image: grafana/grafana:7.3.7
19      container_name: grafana
20      ports:
21        - "3000:3000"
22      env_file:
23        - 'env.grafana'
24      user: "0"
25      links:
26        - influxdb
27      volumes:
28        - ./data_grafana:/var/lib/grafana
29
30  volumes:
31    data_influxdb:
32    data_grafana:
33
```

```
vagrant@node121:~/pr12$ sudo docker-compose up -d
Pulling influxdb (influxdb:1.8.3)...
1.8.3: Pulling from library/influxdb

2587235a7635: Pull complete
953fe5c215cb: Pull complete
d4d3f270c7de: Pull complete
d81696497404: Pull complete
febe82b40114: Pull complete
9a89692c7853: Pull complete
5b833af9a4dc: Pull complete
69d297038fc8: Pull complete

Digest: sha256:fe53382e9fa49dd1ac079143ac5b26bfb4fb0ba32ac9b4b61c859a16943b1bff
Status: Downloaded newer image for influxdb:1.8.3

Pulling grafana (grafana/grafana:7.3.7)...
7.3.7: Pulling from grafana/grafana

801bfaa63ef2: Pull complete
efdb3434c59e: Pull complete
8cbdb3f56d34: Pull complete
34f82d4bd2ec: Downloading [=====>] 5.821MB/8.342MB
af445b3382af: Downloading [==>] 2.438MB/48.22MB
4f4fb700ef54: Download complete
8aab09bbec8e: Download complete
9e81c23e3db5: Download complete
```

```
vagrant@node121:~/pr12$ sudo wget -qO- https://repos.influxdata.com/influxdb.key | sudo tee /etc/apt/trusted.gpg.d/influxdb.asc >/dev/null
vagrant@node121:~/pr12$ source /etc/lsb-release
vagrant@node121:~/pr12$ echo "deb https://repos.influxdata.com/${DISTRIB_ID,,} ${DISTRIB_CODENAME} stable" | sudo tee /etc/apt/sources.list.d/influxdb.list
deb https://repos.influxdata.com/ubuntu focal stable
vagrant@node121:~/pr12$ sudo apt update
Hit:1 http://archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:3 http://archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:4 https://repos.influxdata.com/ubuntu focal InRelease [4736 B]
Get:5 https://repos.influxdata.com/ubuntu focal/stable amd64 Packages [1271 B]
Get:6 http://archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Fetched 342 kB in 3s (109 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
31 packages can be upgraded. Run 'apt list --upgradable' to see them.
vagrant@node121:~/pr12$ sudo apt-get install teleg
telegnome          telegraf           telegram-cli       telegram-desktop  telegram-purple
vagrant@node121:~/pr12$ sudo apt-get install telegraf
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  telegraf
0 upgraded, 1 newly installed, 0 to remove and 31 not upgraded.
Need to get 35.8 MB of archives.
After this operation, 134 MB of additional disk space will be used.
Get:1 https://repos.influxdata.com/ubuntu focal/stable amd64 telegraf amd64 1.21.1-1 [35.8 MB]
Get:1 https://repos.influxdata.com/ubuntu focal/stable amd64 telegraf amd64 1.21.1-1 [35.8 MB]
Get:1 https://repos.influxdata.com/ubuntu focal/stable amd64 telegraf amd64 1.21.1-1 [35.8 MB]
Fetched 32.8 MB in 2min 40s (204 kB/s)
Selecting previously unselected package telegraf.
(Reading database ... 63228 files and directories currently installed.)
Preparing to unpack .../telegraf_1.21.1-1_amd64.deb ...
Unpacking telegraf (1.21.1-1) ...
Setting up telegraf (1.21.1-1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/telegraf.service → /lib/systemd/system/telegraf.service.
vagrant@node121:~/pr12$
```

```
vagrant@nodo122:~$ sudo apt-get install telegraf
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  telegraf
0 upgraded, 1 newly installed, 0 to remove and 31 not upgraded.
Need to get 35.8 MB of archives.
After this operation, 134 MB of additional disk space will be used.
Get:1 https://repos.influxdata.com/ubuntu focal/stable amd64 telegraf amd64 1.21.1-1 [35.8 MB]
Fetched 35.8 MB in 1min 12s (497 kB/s)
Selecting previously unselected package telegraf.
(Reading database ... 63228 files and directories currently installed.)
Preparing to unpack .../telegraf_1.21.1-1_amd64.deb ...
Unpacking telegraf (1.21.1-1) ...
```

```
vagrant@nodo121: ~/pr12
Archivo  Editar  Ver  Buscar  Terminal  Ayuda
GNU nano 4.8 /etc/telegraf/telegraf.conf
#####
#                               OUTPUT PLUGINS                               #
#####

# Configuration for sending metrics to InfluxDB
[[outputs.influxdb]]
  ## The full HTTP or UDP URL for your InfluxDB instance.
  ##
  ## Multiple URLs can be specified for a single cluster, only ONE of the
  ## urls will be written to each interval.
  # urls = ["unix:///var/run/influxdb.sock"]
  # urls = ["udp://127.0.0.1:8089"]
  urls = ["http://127.0.0.1:8086"]

  ## The target database for metrics; will be created as needed.
  ## For UDP url endpoint database needs to be configured on server side.
  database = "telegraf"

  ## The value of this tag will be used to determine the database. If this
  ## tag is not set the 'database' option is used as the default.
  # database_tag = ""

  ## If true, the 'database tag' will not be included in the written metric.
  # exclude_database_tag = false

  ## If true, no CREATE DATABASE queries will be sent. Set to true when using
  ## Telegraf with a user without permissions to create databases or when the
  ## database already exists.
  # skip_database_creation = false

^G Get Help      ^O Write Out    ^W Where Is     ^K Cut Text     ^J Justify      ^C Cur Pos      M-U Undo
^X Exit          ^R Read File    ^\ Replace      ^U Paste Text   ^T To Spell     ^_ Go To Line    M-E Redo
```

```
vagrant@nodo122: ~  
Archivo  Editor  Ver  Buscar  Terminal  Ayuda  
GNU nano 4.8 /etc/telegraf/telegraf.conf  
#####  
# OUTPUT PLUGINS #  
#####  
  
# Configuration for sending metrics to InfluxDB  
[[outputs.influxdb]]  
## The full HTTP or UDP URL for your InfluxDB instance.  
##  
## Multiple URLs can be specified for a single cluster, only ONE of the  
## urls will be written to each interval.  
# urls = ["unix:///var/run/influxdb.sock"]  
# urls = ["udp://127.0.0.1:8089"]  
urls = ["http://192.168.12.11:8086"]  
  
## The target database for metrics; will be created as needed.  
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database = "telegraf"  
  
## The value of this tag will be used to determine the database. If this  
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# database_tag = ""  
  
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# exclude_database_tag = false  
  
## If true, no CREATE DATABASE queries will be sent. Set to true when using  
## Telegraf with a user without permissions to create databases or when the  
## database already exists.  
# skip_database_creation = false  
  
## Name of existing retention policy to write to. Empty string writes to  
  
^G Get Help  ^O Write Out  ^W Where Is  ^K Cut Text  ^J Justify    ^C Cur Pos   M-U Undo  
^X Exit      ^R Read File  ^\ Where Is  ^U Paste Text ^T To Spell   ^_ Go To Line  M-E Redo
```

