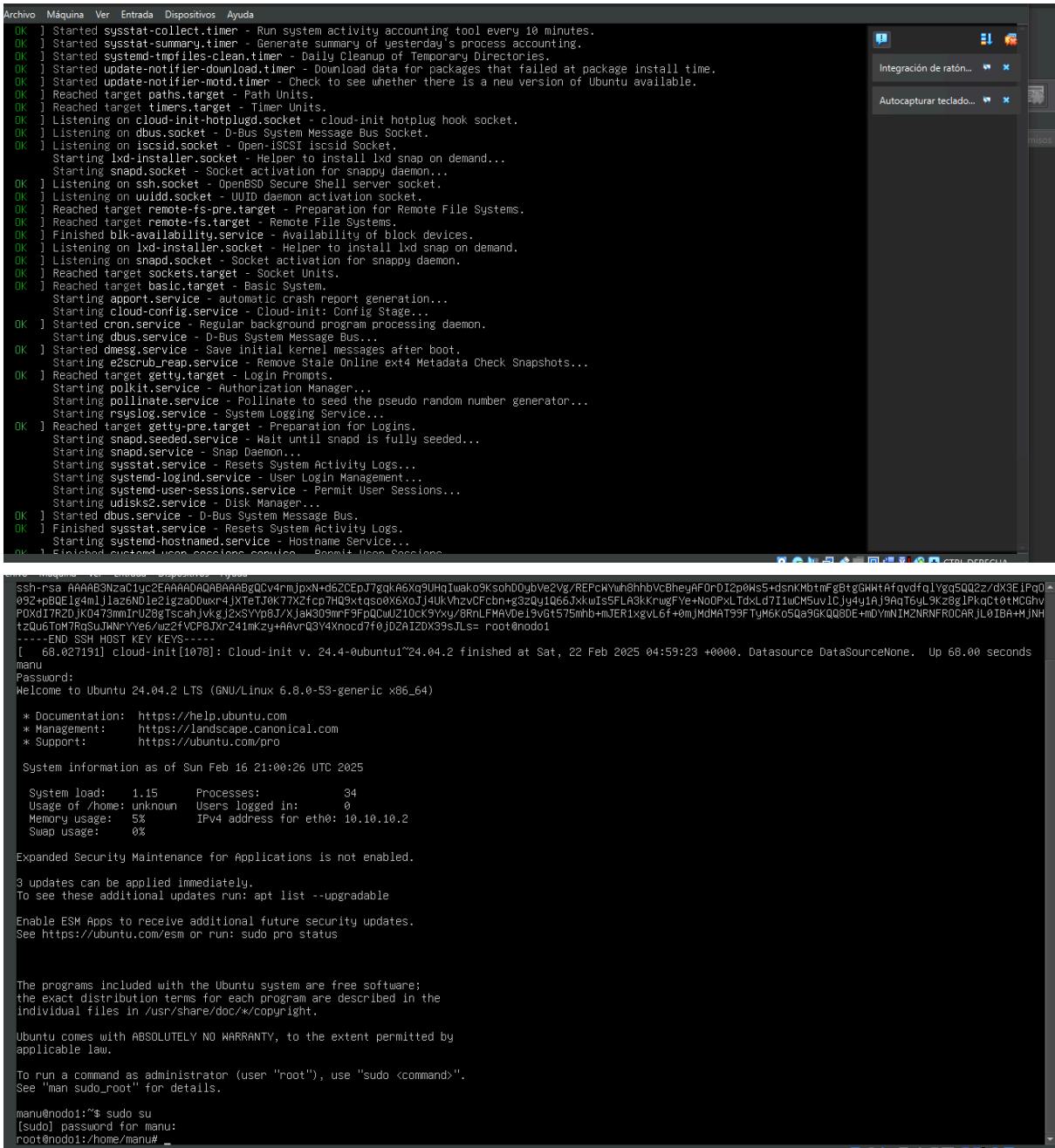
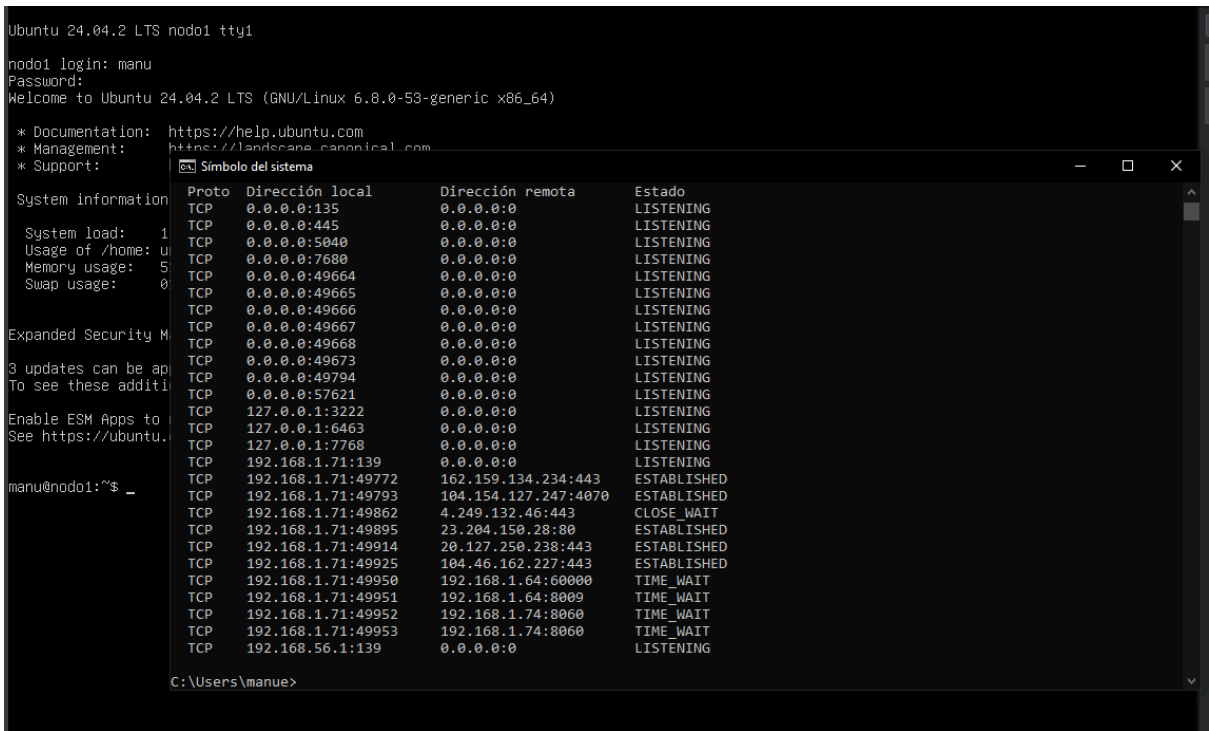
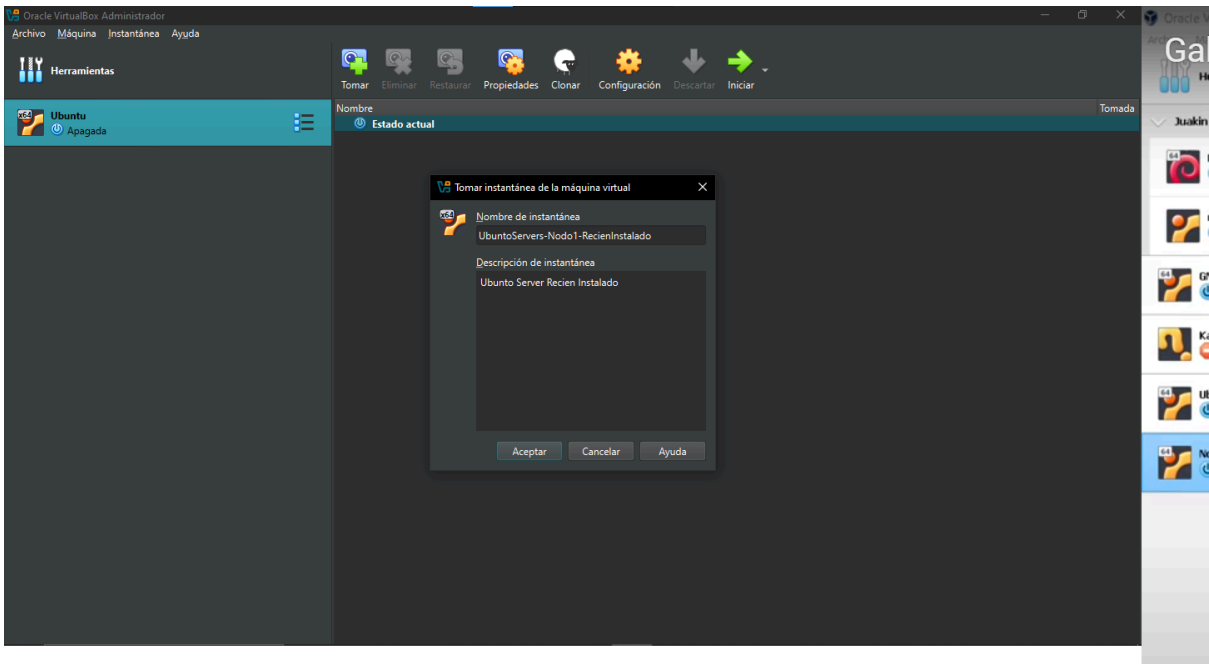


Manuel Jesus Alvarez Velazquez





En esta captura se logra ver que si existe el puerto 3222, el que numeramos en el server de ubuntu, para hacer la conexión que requerimos.

```
manu@nodo1: ~
Warning: Permanently added '[127.0.0.1]:3222' (ED25519) to the list of known hosts.
manu@127.0.0.1's password:
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-53-generic x86_64)

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

System information as of Sat Feb 22 09:41:29 PM UTC 2025

System load:          0.14
Usage of /:            39.5% of 11.21GB
Memory usage:         9%
Swap usage:           0%
Processes:            99
Users logged in:      1
IPv4 address for enp0s3: 10.0.2.15
IPv6 address for enp0s3: fd00::a00:27ff:fec4:13a1

Expanded Security Maintenance for Applications is not enabled.

3 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

manu@nodo1:~$
```

Aqui ya logre conectar mi maquina local con la maquina virtual, estoy usando directo mi CMD para hacer las conexiones.

```
root@nodo1:/home/manu
Try: apt install <deb name>
root@nodo1:/home/manu# netstat -tlnp
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program name
tcp        0      0 127.0.0.53:53          0.0.0.0:*                LISTEN      524/systemd-resolve
tcp        0      0 127.0.0.54:53          0.0.0.0:*                LISTEN      524/systemd-resolve
tcp6       0      0 :::22                  :::*                    LISTEN      1/init
root@nodo1:/home/manu# systemctl status mysql
o mariadb.service - MariaDB 10.11.8 database server
   Loaded: loaded (/usr/lib/systemd/system/mariadb.service; enabled; preset: enabled)
   Active: inactive (dead) since Sat 2025-02-22 22:05:25 UTC; 2min 24s ago
   Duration: 14min 10.338s
   Docs: man:mariadb(8)
         https://mariadb.com/kb/en/library/systemd/
   Process: 2238 ExecStart=/usr/sbin/mariadb $MYSQLD_OPTS $WSREP_NEW_CLUSTER $WSREP_START_POSITION (code=exited, status=0/SUCCESS)
   Main PID: 2238 (code=exited, status=0/SUCCESS)
   Status: "MariaDB server is down"
   CPU: 1.816s
Feb 22 22:05:24 nodo1 mariadb[2238]: 2025-02-22 22:05:24 0 [Note] InnoDB: FTS optimize thread exiting.
Feb 22 22:05:24 nodo1 mariadb[2238]: 2025-02-22 22:05:24 0 [Note] InnoDB: Starting shutdown...
Feb 22 22:05:24 nodo1 mariadb[2238]: 2025-02-22 22:05:24 0 [Note] InnoDB: Dumping buffer pool(s) to /var/lib/mysql/ib_>
Feb 22 22:05:24 nodo1 mariadb[2238]: 2025-02-22 22:05:24 0 [Note] InnoDB: Buffer pool(s) dump completed at 250222 22:0>
Feb 22 22:05:25 nodo1 mariadb[2238]: 2025-02-22 22:05:25 0 [Note] InnoDB: Removed temporary tablespace data file: ".i>
Feb 22 22:05:25 nodo1 mariadb[2238]: 2025-02-22 22:05:25 0 [Note] InnoDB: Shutdown completed; log sequence number 4698>
Feb 22 22:05:25 nodo1 mariadb[2238]: 2025-02-22 22:05:25 0 [Note] /usr/sbin/mariabdb: Shutdown complete
Feb 22 22:05:25 nodo1 systemd[1]: mariadb.service: Deactivated successfully.
Feb 22 22:05:25 nodo1 systemd[1]: Stopped mariadb.service - MariaDB 10.11.8 database server.
Feb 22 22:05:25 nodo1 systemd[1]: mariadb.service: Consumed 1.816s CPU time, 81.7M memory peak, 0B memory swap peak.
lines 1-21/21 (END)
```

Aqui ya esta instalado el mariadb

```
root@nodo1: /home/manu
Feb 22 23:25:50 nodo1 systemd[1]: Started mariadb.service - MariaDB 10.11.8 database server.
Feb 22 23:25:51 nodo1 /etc/mysql/debian-start[2990]: Checking for insecure root accounts.
Feb 22 23:25:51 nodo1 /etc/mysql/debian-start[2994]: Triggering myisam-recover for all MyISAM tables and aria-recover f
root@nodo1:/home/manu# galera_new_cluster
root@nodo1:/home/manu# netstat -tlnp
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program name
tcp        0      0 127.0.0.53:53          0.0.0.0:*               LISTEN      524/systemd-resolve
tcp        0      0 127.0.0.54:53          0.0.0.0:*               LISTEN      524/systemd-resolve
tcp        0      0 127.0.0.1:3306         0.0.0.0:*               LISTEN      3100/mariadb
tcp6       0      0 :::22                  :::*                    LISTEN      1/init
root@nodo1:/home/manu# mysql -u root -p -e "SHOW STATUS LIKE 'wsrep_cluster_size'"
> m4nuel72
> q
> mysql -u root -p -e "SHOW STATUS LIKE 'wsrep_cluster_size'"
mysql Ver 15.1 Distrib 10.11.8-MariaDB, for debian-linux-gnu (x86_64) using EditLine wrapper
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Usage: mysql [OPTIONS] [database]

Default options are read from the following files in the given order:
/etc/my.cnf /etc/mysql/my.cnf ~/.my.cnf
The following groups are read: mysql mariadb-client client-server client-mariadb
The following options may be given as the first argument:
--print-defaults          Print the program argument list and exit.
--no-defaults             Don't read default options from any option file.
The following specify which files/extra groups are read (specified before remaining options):
--defaults-file=#         Only read default options from the given file #.
--defaults-extra-file=#   Read this file after the global files are read.
--defaults-group-suffix=# Additionally read default groups with # appended as a suffix.
```

```
root@nodo1: /home/manu
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Sat Feb 22 21:41:33 2025 from 10.0.2.2
manu@nodo1:~$ sudo su
[sudo] password for manu:
root@nodo1: /home/manu# vi /etc/mysql/mariadb.conf.d/60-galera.cnf

[1]+  Stopped                  vi /etc/mysql/mariadb.conf.d/60-galera.cnf
root@nodo1: /home/manu# galera_new_cluster
root@nodo1: /home/manu# systemctl galera_new_cluster
Unknown command verb 'galera_new_cluster'.
root@nodo1: /home/manu# systemctl status mysql
● mariadb.service - MariaDB 10.11.8 database server
   Loaded: loaded (/usr/lib/systemd/system/mariadb.service; enabled; preset: enabled)
   Active: active (running) since Sat 2025-02-22 23:25:50 UTC; 1min 31s ago
     Docs: man:mariadb(8)
           https://mariadb.com/kb/en/library/systemd/
   Process: 2896 ExecStartPre=/usr/bin/install -m 755 -o mysql -g root -d /var/run/mysql (code=exited, status=0/SUCCESS)
   Process: 2898 ExecStartPre=/bin/sh -c systemctl unset-environment _WSREP_START_POSITION (code=exited, status=0/SUCCESS)
   Process: 2900 ExecStartPre=/bin/sh -c [ ! -e /usr/bin/galera_recovery ] && VAR= || VAR=`cd /usr/bin/..; /usr/bin/pd
   Process: 2973 ExecStartPost=/bin/sh -c systemctl unset-environment _WSREP_START_POSITION (code=exited, status=0/SUCCESS)
   Process: 2975 ExecStartPost=/etc/mysql/debian-start (code=exited, status=0/SUCCESS)
  Main PID: 2961 (mariadb)
    Status: "Taking your SQL requests now..."
     Tasks: 10 (limit: 15009)
    Memory: 78.6M (peak: 81.5M)
```

```
root@nodo1: /home/manu

root@nodo1: /home/manu# cd /etc/mysql
root@nodo1: /etc/mysql# cd /etc/mysql/
root@nodo1: /etc/mysql# ls -al
total 32
drwxr-xr-x  4 root root 4096 Feb 22 21:51 .
drwxr-xr-x 109 root root 4096 Feb 22 22:03 ..
drwxr-xr-x  2 root root 4096 Feb 22 21:50 conf.d
-rw-r--r--  1 root root  544 Feb 22 21:51 debian.cnf
-rwxr-xr-x  1 root root 1756 May 25  2024 debian-start
-rw-r--r--  1 root root 1126 May 25  2024 mariadb.cnf
drwxr-xr-x  2 root root 4096 Feb 22 21:51 mariadb.conf.d
lrwxrwxrwx  1 root root   24 Oct 20  2020 my.cnf -> /etc/alternatives/my.cnf
-rw-r--r--  1 root root  839 Oct 20  2020 my.cnf.fallback
root@nodo1: /etc/mysql# cd mariadb.conf.d/
root@nodo1: /etc/mysql/mariadb.conf.d# mariadb.d# ls -al
mariadb.d#: command not found
root@nodo1: /etc/mysql/mariadb.conf.d# mariadb.d# ls -al
mariadb.d#: command not found
root@nodo1: /etc/mysql/mariadb.conf.d# ls al
ls: cannot access 'al': No such file or directory
root@nodo1: /etc/mysql/mariadb.conf.d# vi 60-galera.cnf

[1]+  Stopped                  vi 60-galera.cnf
root@nodo1: /etc/mysql/mariadb.conf.d# root@nodo1: /etc/mysql/mariadb.conf.d#
root@nodo1: /etc/mysql/mariadb.conf.d# vi 60-galera.cnf
```