



TAREA #986

JOSE EDGARDO ROMERO EHUAN



[FECHA]

[NOMBRE DE LA COMPAÑÍA]

[Dirección de la compañía]

1. Servidor web

```
Ubuntu 22.04 [Corriendo] - Oracle VM VirtualBox
7 de dic 17:42
edgardo@edgardo-VirtualBox: ~$ sudo apt update
[sudo] contraseña para edgardo:
Obj1 http://mx.archive.ubuntu.com/ubuntu jammy InRelease
Des:2 http://mx.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Des:3 http://mx.archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Des:4 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main 1386 Packages [543 kB]
Des:5 http://security.ubuntu.com/ubuntu jammy-security InRelease [119 kB]
Des:6 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1 016 kB]
Des:7 http://security.ubuntu.com/ubuntu jammy-security/main 1386 Packages [176 kB]
Des:8 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1 244 kB]
Des:9 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [395 kB]
Des:10 http://security.ubuntu.com/ubuntu jammy-security/main amd64 DEP-11 Metadata [43.0 kB]
Des:11 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [1 170 kB]
Des:12 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 c-n-f Metadata [520 B]
Des:13 http://security.ubuntu.com/ubuntu jammy-security/universe 1386 Packages [577 kB]
Des:14 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [615 kB]
Des:15 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [152 kB]
Des:16 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 DEP-11 Metadata [55.1 kB]
Des:17 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [16.8 kB]
Des:18 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [36.5 kB]
Des:19 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [260 B]
Des:20 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [257 kB]
Des:21 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 DEP-11 Metadata [101 kB]
Des:22 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadata [16.1 kB]
Des:23 http://mx.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [1 226 kB]
Des:24 http://mx.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Translation-en [199 kB]
Des:25 http://mx.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 c-n-f Metadata [520 B]
Des:26 http://mx.archive.ubuntu.com/ubuntu jammy-updates/universe 1386 Packages [675 kB]
Des:27 http://mx.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1 016 kB]
Des:28 http://mx.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [226 kB]
Des:29 http://mx.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 DEP-11 Metadata [365 kB]
Des:30 http://mx.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [22.1 kB]
Des:31 http://mx.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [41.6 kB]
Des:32 http://mx.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 DEP-11 Metadata [540 B]
Des:33 http://mx.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 c-n-f Metadata [472 B]
Des:34 http://mx.archive.ubuntu.com/ubuntu jammy-backports/main 1386 Packages [56.3 kB]
Des:35 http://mx.archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [64.2 kB]
Des:36 http://mx.archive.ubuntu.com/ubuntu jammy-backports/main amd64 DEP-11 Metadata [4 932 B]
Des:37 http://mx.archive.ubuntu.com/ubuntu jammy-backports/main amd64 c-n-f Metadata [388 B]
Des:38 http://mx.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [27.8 kB]
Des:39 http://mx.archive.ubuntu.com/ubuntu jammy-backports/universe 1386 Packages [16.8 kB]
Des:40 http://mx.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 DEP-11 Metadata [16.5 kB]
Des:41 http://mx.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [16.5 kB]
Des:42 http://mx.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 DEP-11 Metadata [18.9 kB]
Des:43 http://mx.archive.ubuntu.com/ubuntu jammy-backports/universe DEP-11 4x4x4 Icons [25.0 kB]
Des:44 http://mx.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [464 B]
Descargados 11.2 MB en 30s (375 kB/s)
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
Se pueden actualizar 125 paquetes. Ejecute «apt list --upgradable» para verlos.
edgardo@edgardo-VirtualBox: ~$ sudo apt install apache2
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
Se instalarán los siguientes paquetes adicionales:
  apache2-bin apache2-data apache2-utils libapr1 libaprutil1
  libaprutil1-dbd-sqlite3 libaprutil1-ldap
Paquetes sugeridos:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom
Se instalarán los siguientes paquetes NUEVOS:
  apache2-bin apache2-data apache2-utils libapr1 libaprutil1
  libaprutil1-dbd-sqlite3 libaprutil1-ldap
0 actualizados, 8 nuevos se instalarán, 0 para eliminar y 125 no actualizados.
Se necesita descargar 1 919 kB de archivos.
Se utilizarán 7 718 kB de espacio de disco adicional después de esta operación.
¿Desea continuar? [S/n] s
Des:1 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libapr1 amd64 1.7.0-Subuntu0.22.04.1 [108 kB]
Des:2 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1 amd64 1.6.1-Subuntu4.22.04.2 [92.8 kB]
Des:3 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1-dbd-sqlite3 amd64 1.6.1-Subuntu4.22.04.2 [11.3 kB]
Des:4 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1-ldap amd64 1.6.1-Subuntu4.22.04.2 [9 170 B]
Des:5 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2-bin amd64 2.4.52-1ubuntu4.7 [1 346 kB]
Des:6 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2-data all 2.4.52-1ubuntu4.7 [165 kB]
Des:7 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2-utils amd64 2.4.52-1ubuntu4.7 [88.8 kB]
Des:8 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2 amd64 2.4.52-1ubuntu4.7 [97.8 kB]
Descargados 1 919 kB en 4s (584 kB/s)
Seleccionando el paquete libapr1:amd64 previamente no seleccionado.
(Leyendo la base de datos ... 204249 ficheros o directorios instalados actualmen
te.)
Preparando para desempaquetar .../0-libapr1_1.7.0-Subuntu0.22.04.1.amd64.deb ...
Desempaquetando libapr1:amd64 (1.7.0-Subuntu0.22.04.1) ...
Seleccionando el paquete libaprutil1:amd64 previamente no seleccionado.
Preparando para desempaquetar .../1-libaprutil1_1.6.1-Subuntu4.22.04.2.amd64.deb
...
Desempaquetando libaprutil1:amd64 (1.6.1-Subuntu4.22.04.2) ...
Seleccionando el paquete libaprutil1-dbd-sqlite3:amd64 previamente no selecciona
do.
Preparando para desempaquetar .../2-libaprutil1-dbd-sqlite3_1.6.1-Subuntu4.22.04
.2.amd64.deb ...
Desempaquetando libaprutil1-dbd-sqlite3:amd64 (1.6.1-Subuntu4.22.04.2) ...
Seleccionando el paquete libaprutil1-ldap:amd64 previamente no seleccionado.
Preparando para desempaquetar .../3-libaprutil1-ldap_1.6.1-Subuntu4.22.04.2.amd
64.deb ...
Desempaquetando libaprutil1-ldap:amd64 (1.6.1-Subuntu4.22.04.2) ...
Seleccionando el paquete apache2-bin previamente no seleccionado.
Preparando para desempaquetar .../4-apache2-bin_2.4.52-1ubuntu4.7.amd64.deb ...
Desempaquetando apache2-bin (2.4.52-1ubuntu4.7) ...
Seleccionando el paquete apache2-data previamente no seleccionado.
Preparando para desempaquetar .../5-apache2-data_2.4.52-1ubuntu4.7.all.deb ...
Desempaquetando apache2-data (2.4.52-1ubuntu4.7) ...
Seleccionando el paquete apache2-utils previamente no seleccionado.
Preparando para desempaquetar .../6-apache2-utils_2.4.52-1ubuntu4.7.amd64.deb ...
```

```
Ubuntu 22.04 [Corriendo] - Oracle VM VirtualBox
7 de dic 17:42
edgardo@edgardo-VirtualBox: ~$ sudo apt install apache2
Leyendo lista de paquetes... Hecho
Leyendo la información de estado... Hecho
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edgardo@edgardo-VirtualBox: ~$ sudo apt install apache2
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
Se instalarán los siguientes paquetes adicionales:
  apache2-bin apache2-data apache2-utils libapr1 libaprutil1
  libaprutil1-dbd-sqlite3 libaprutil1-ldap
Paquetes sugeridos:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom
Se instalarán los siguientes paquetes NUEVOS:
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  libaprutil1-dbd-sqlite3 libaprutil1-ldap
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¿Desea continuar? [S/n] s
Des:1 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libapr1 amd64 1.7.0-Subuntu0.22.04.1 [108 kB]
Des:2 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1 amd64 1.6.1-Subuntu4.22.04.2 [92.8 kB]
Des:3 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1-dbd-sqlite3 amd64 1.6.1-Subuntu4.22.04.2 [11.3 kB]
Des:4 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1-ldap amd64 1.6.1-Subuntu4.22.04.2 [9 170 B]
Des:5 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2-bin amd64 2.4.52-1ubuntu4.7 [1 346 kB]
Des:6 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2-data all 2.4.52-1ubuntu4.7 [165 kB]
Des:7 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2-utils amd64 2.4.52-1ubuntu4.7 [88.8 kB]
Des:8 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2 amd64 2.4.52-1ubuntu4.7 [97.8 kB]
Descargados 1 919 kB en 4s (584 kB/s)
Seleccionando el paquete libapr1:amd64 previamente no seleccionado.
(Leyendo la base de datos ... 204249 ficheros o directorios instalados actualmen
te.)
Preparando para desempaquetar .../0-libapr1_1.7.0-Subuntu0.22.04.1.amd64.deb ...
Desempaquetando libapr1:amd64 (1.7.0-Subuntu0.22.04.1) ...
Seleccionando el paquete libaprutil1:amd64 previamente no seleccionado.
Preparando para desempaquetar .../1-libaprutil1_1.6.1-Subuntu4.22.04.2.amd64.deb
...
Desempaquetando libaprutil1:amd64 (1.6.1-Subuntu4.22.04.2) ...
Seleccionando el paquete libaprutil1-dbd-sqlite3:amd64 previamente no selecciona
do.
Preparando para desempaquetar .../2-libaprutil1-dbd-sqlite3_1.6.1-Subuntu4.22.04
.2.amd64.deb ...
Desempaquetando libaprutil1-dbd-sqlite3:amd64 (1.6.1-Subuntu4.22.04.2) ...
Seleccionando el paquete libaprutil1-ldap:amd64 previamente no seleccionado.
Preparando para desempaquetar .../3-libaprutil1-ldap_1.6.1-Subuntu4.22.04.2.amd
64.deb ...
Desempaquetando libaprutil1-ldap:amd64 (1.6.1-Subuntu4.22.04.2) ...
Seleccionando el paquete apache2-bin previamente no seleccionado.
Preparando para desempaquetar .../4-apache2-bin_2.4.52-1ubuntu4.7.amd64.deb ...
Desempaquetando apache2-bin (2.4.52-1ubuntu4.7) ...
Seleccionando el paquete apache2-data previamente no seleccionado.
Preparando para desempaquetar .../5-apache2-data_2.4.52-1ubuntu4.7.all.deb ...
Desempaquetando apache2-data (2.4.52-1ubuntu4.7) ...
Seleccionando el paquete apache2-utils previamente no seleccionado.
Preparando para desempaquetar .../6-apache2-utils_2.4.52-1ubuntu4.7.amd64.deb ...
```

```
Ubuntu 22.04 [Corriendo] - Oracle VM VirtualBox
Actividades Terminal 7 de dic 17:45
edgardo@edgardo-VirtualBox: ~

Enabling module negotiation.
Enabling module setenvif.
Enabling module filter.
Enabling module deflate.
Enabling module status.
Enabling module ssl.
Enabling module rewrite.
Enabling module charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.
Procesando disparadores para ufw (0.36.1-4ubuntu0.1) ...
Procesando disparadores para nan-db (2.10.2-1) ...
Procesando disparadores para libc-bin (2.35-0ubuntu3.4) ...
edgardo@edgardo-VirtualBox: ~$ sudo service apt status
Unit apt.service could not be found.
edgardo@edgardo-VirtualBox: ~$ sudo service apt web
apt: unrecognized service
edgardo@edgardo-VirtualBox: ~$ sudo service web
web: unrecognized service
edgardo@edgardo-VirtualBox: ~$ sudo service status web
status: unrecognized service
edgardo@edgardo-VirtualBox: ~$ sudo service webe
webe: unrecognized service
edgardo@edgardo-VirtualBox: ~$ sudo service web status
Unit web.service could not be found.
edgardo@edgardo-VirtualBox: ~$ sudo service mysql status
Unit mysql.service could not be found.
edgardo@edgardo-VirtualBox: ~$ sudo apt apache2
E: Operación inválida: apache2
edgardo@edgardo-VirtualBox: ~$ sudo apt apache2 status
E: Operación inválida: apache2
edgardo@edgardo-VirtualBox: ~$ sudo service apache2 status
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Thu 2023-12-07 17:38:40 EST; 6min ago
     Docs: https://httpd.apache.org/docs/2.4/
    Main PID: 3025 (apache2)
      Tasks: 55 (limit: 4599)
     Memory: 4.9M
        CPU: 40ms
    CGroup: /system.slice/apache2.service
            └─3025 /usr/sbin/apache2 -k start
              3027 /usr/sbin/apache2 -k start
              3028 /usr/sbin/apache2 -k start

dic 07 17:38:40 edgardo-VirtualBox systemd[1]: Starting The Apache HTTP Server...
dic 07 17:38:40 edgardo-VirtualBox apache2ctl[3024]: AH00558: apache2: could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' directive globally to s...
dic 07 17:38:40 edgardo-VirtualBox systemd[1]: Started The Apache HTTP Server.
[lines 1-16/16 (END)]
```

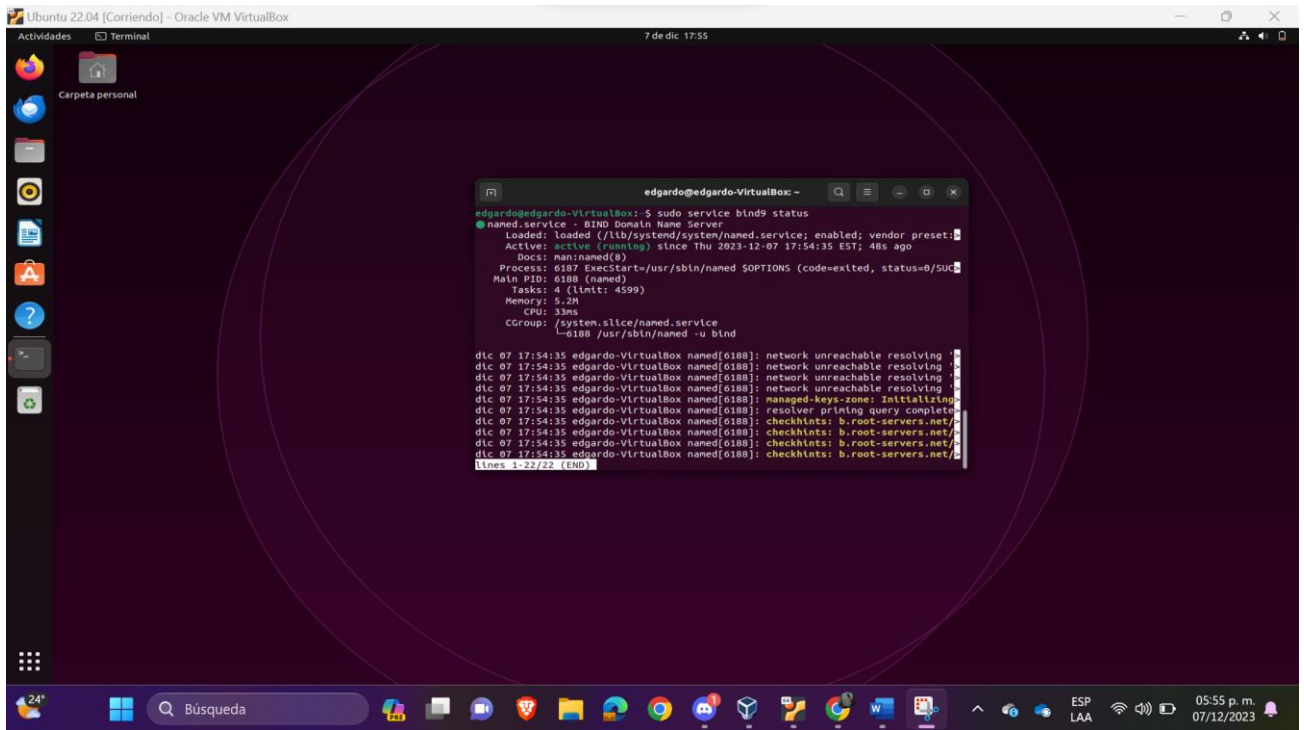
2. Base de datos

```
Ubuntu 22.04 [Corriendo] - Oracle VM VirtualBox
Actividades Terminal 7 de dic 17:51
edgardo@edgardo-VirtualBox: ~

/systemd/system/mysql.service.
Configurando mysql-server (8.0.35-0ubuntu0.22.04.1) ...
Procesando disparadores para nan-db (2.10.2-1) ...
Procesando disparadores para libc-bin (2.35-0ubuntu3.4) ...
edgardo@edgardo-VirtualBox: ~$ sudo systemctl start mysql
edgardo@edgardo-VirtualBox: ~$ sudo systemctl enable mysql
Synchronizing state of mysql.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable mysql
+edgardo@edgardo-VirtualBox: ~$ sudo service mysql status
● mysql.service - MySQL Community Server
   Loaded: loaded (/lib/systemd/system/mysql.service; enabled; vendor preset: enabled)
   Active: active (running) since Thu 2023-12-07 17:49:48 EST; 1min 31s ago
     Main PID: 5141 (mysqld)
    Status: "Server is operational"
      Tasks: 37 (limit: 4599)
     Memory: 362.0M
        CPU: 1.387s
    CGroup: /system.slice/mysql.service
            └─5141 /usr/sbin/mysqld

dic 07 17:49:48 edgardo-VirtualBox systemd[1]: Starting MySQL Community Server.
dic 07 17:49:48 edgardo-VirtualBox systemd[1]: Started MySQL Community Server.
[lines 1-13/13 (END)]
```

3. Servidor DNS

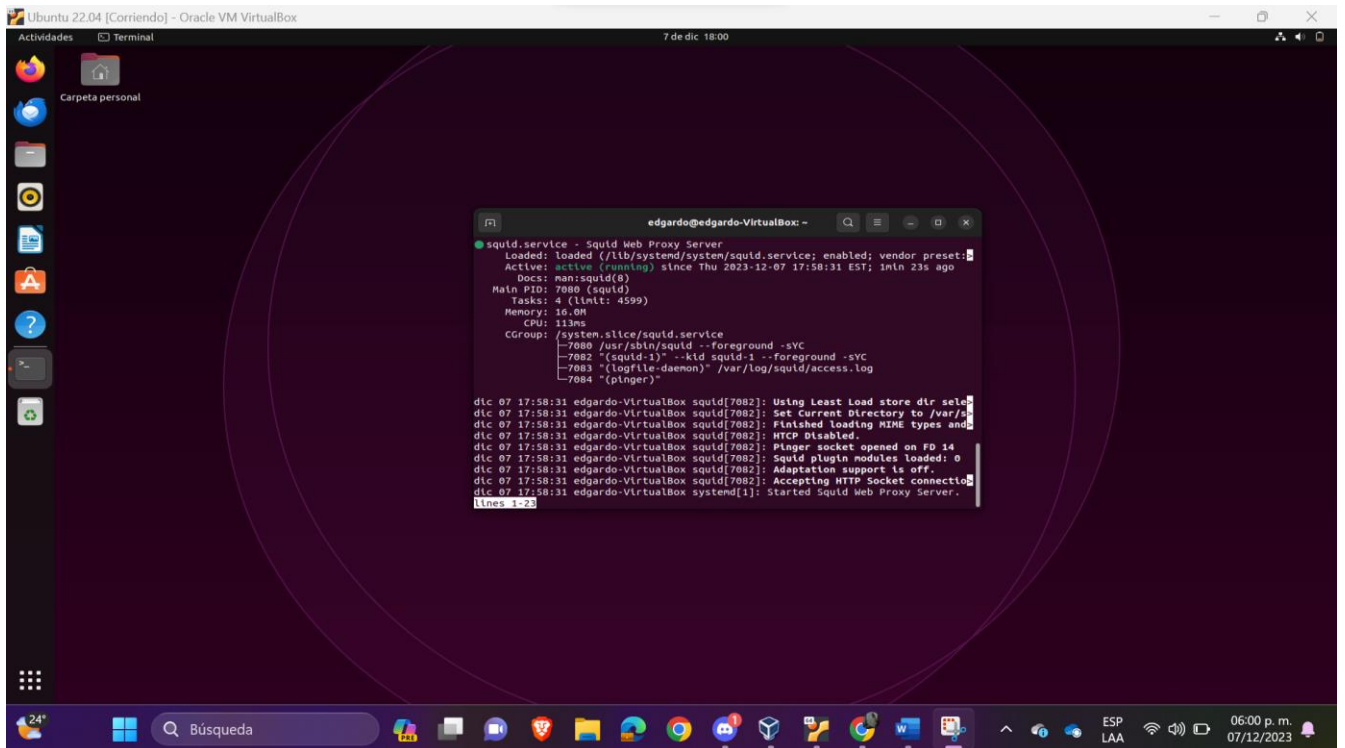


The screenshot shows a terminal window titled "edgardo@edgardo-VirtualBox: ~" with the command `sudo service bind9 status` executed. The output displays the status of the `named.service` (BIND Domain Name Server) as active (running) since Thu 2023-12-07 17:54:35 EST, 48s ago. It also shows system logs for the service, including network unreachable resolving and checkints for `b.root-servers.net`.

```
edgardo@edgardo-VirtualBox: ~$ sudo service bind9 status
named.service - BIND Domain Name Server
Loaded: loaded (/lib/systemd/system/named.service; enabled; vendor preset: enabled)
Active: active (running) since Thu 2023-12-07 17:54:35 EST; 48s ago
Docs: man:named(8)
Process: 6187 ExecStart=/usr/sbin/named $OPTIONS (code=exited, status=0/SUCCESS)
Main PID: 6188 (named)
Tasks: 4 (limit: 4599)
Memory: 5.2M
CPU: 33ms
CGroup: /system.slice/named.service
        └─6188 /usr/sbin/named -u bind

dic 07 17:54:35 edgardo-VirtualBox named[6188]: network unreachable resolving
dic 07 17:54:35 edgardo-VirtualBox named[6188]: network unreachable resolving
dic 07 17:54:35 edgardo-VirtualBox named[6188]: network unreachable resolving
dic 07 17:54:35 edgardo-VirtualBox named[6188]: managed-keys-zone: Initializing
dic 07 17:54:35 edgardo-VirtualBox named[6188]: resolver printing query complete
dic 07 17:54:35 edgardo-VirtualBox named[6188]: checkints: b.root-servers.net
dic 07 17:54:35 edgardo-VirtualBox named[6188]: checkints: b.root-servers.net
dic 07 17:54:35 edgardo-VirtualBox named[6188]: checkints: b.root-servers.net
Lines 1-22/22 (END)
```

4. Proxy:

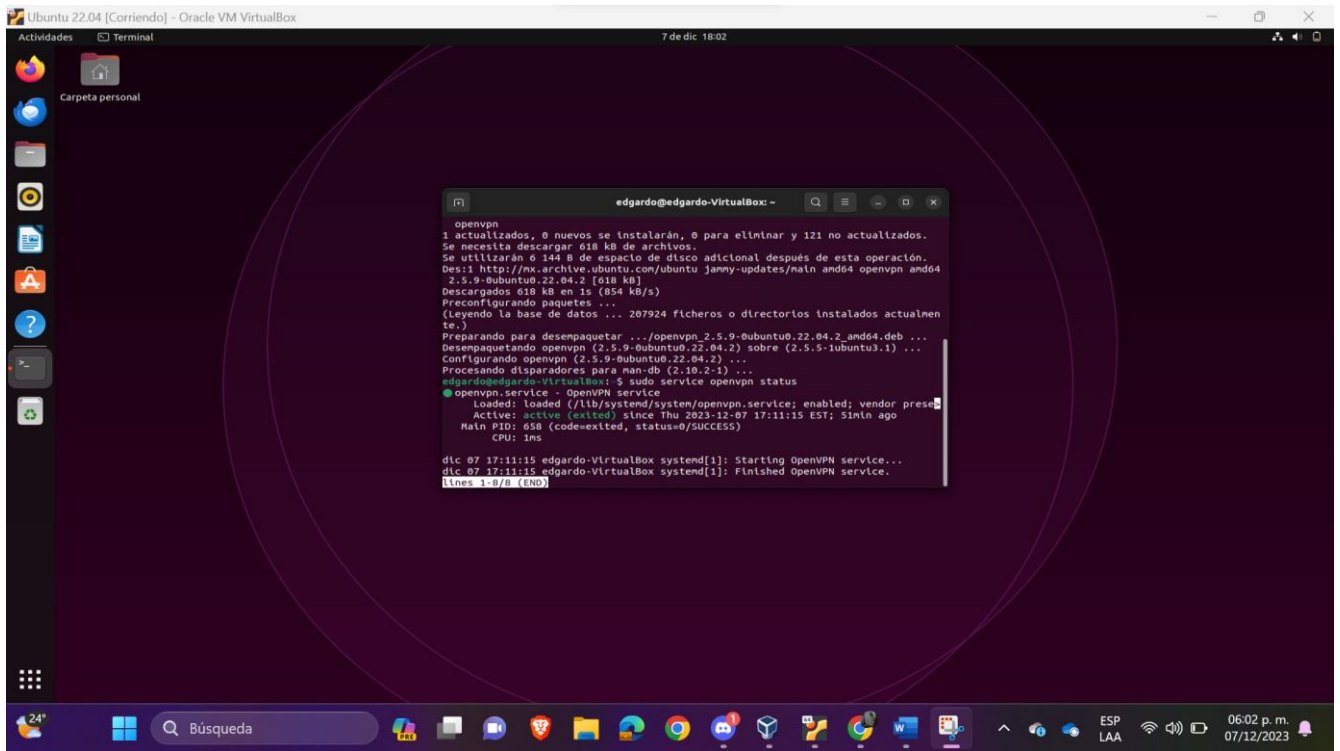


The screenshot shows a terminal window titled "edgardo@edgardo-VirtualBox: ~" with the command `sudo service squid status` executed. The output displays the status of the `squid.service` (Squid Web Proxy Server) as active (running) since Thu 2023-12-07 17:58:31 EST, 1min 23s ago. It also shows system logs for the service, including using Least Load store, finished loading MIME types, and accepting HTTP Socket connections.

```
edgardo@edgardo-VirtualBox: ~$ sudo service squid status
squid.service - Squid Web Proxy Server
Loaded: loaded (/lib/systemd/system/squid.service; enabled; vendor preset: enabled)
Active: active (running) since Thu 2023-12-07 17:58:31 EST; 1min 23s ago
Docs: man:squid(8)
Main PID: 7080 (squid)
Tasks: 4 (limit: 4599)
Memory: 16.0M
CPU: 113ms
CGroup: /system.slice/squid.service
        └─7080 /usr/sbin/squid --foreground -sVC
            └─7082 "squid-1" --ktd squid-1 --foreground -sVC
              └─7083 "(logfile-daemon)" /var/log/squid/access.log
                └─7084 "(pinger)"

dic 07 17:58:31 edgardo-VirtualBox squid[7082]: Using Least Load store dir sele
dic 07 17:58:31 edgardo-VirtualBox squid[7082]: Set current directory to /var/s
dic 07 17:58:31 edgardo-VirtualBox squid[7082]: Finished loading MIME types and
dic 07 17:58:31 edgardo-VirtualBox squid[7082]: HTTP Disabled.
dic 07 17:58:31 edgardo-VirtualBox squid[7082]: Pinger socket opened on FD 14
dic 07 17:58:31 edgardo-VirtualBox squid[7082]: Squid plugin modules loaded: 0
dic 07 17:58:31 edgardo-VirtualBox squid[7082]: Adaptation support is off.
dic 07 17:58:31 edgardo-VirtualBox squid[7082]: Accepting HTTP Socket connectio
dic 07 17:58:31 edgardo-VirtualBox system[1]: Started Squid Web Proxy Server.
Lines 1-23
```

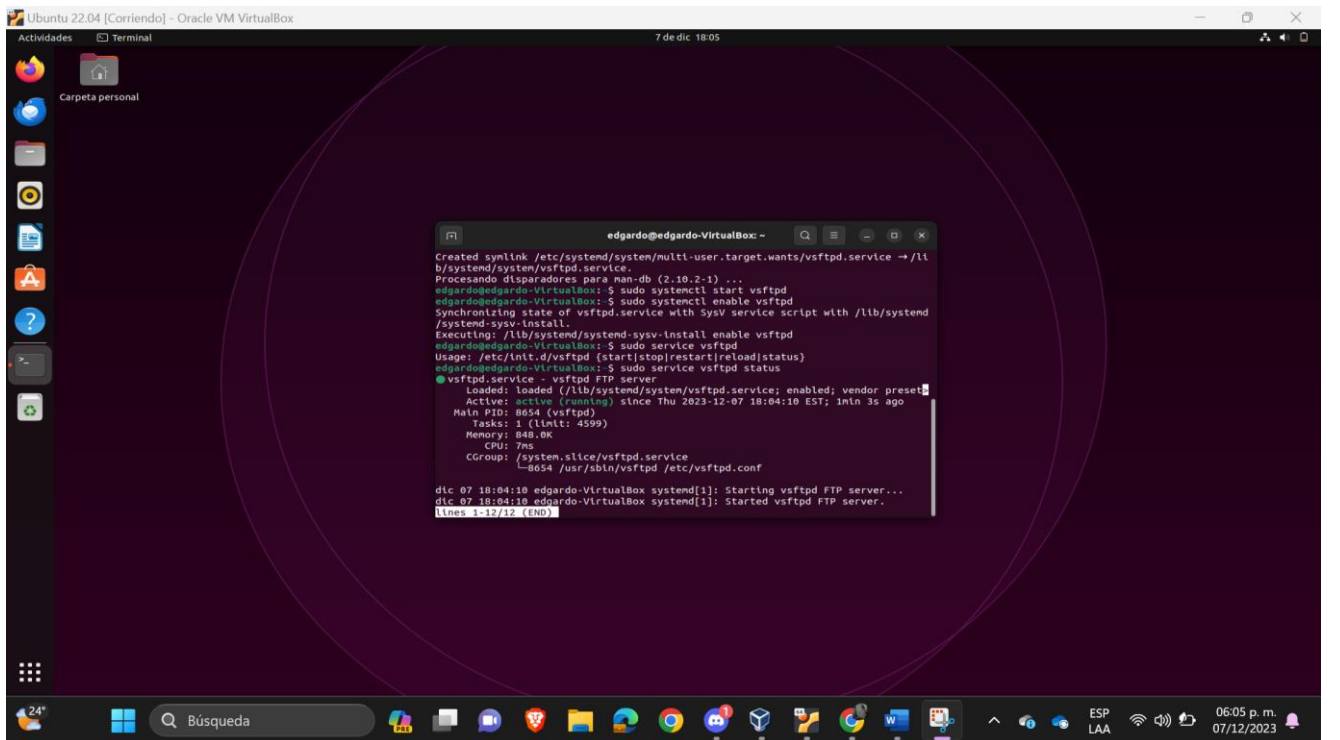

5. VPN



The screenshot shows a terminal window in an Ubuntu 22.04 virtual machine. The terminal output displays the installation of OpenVPN, including downloading the package, preparing for extraction, and configuring the service. The service is then started, and its status is checked, showing it is active and running.

```
edgardo@edgardo-VirtualBox: ~  
openvpn  
1 actualizados, 0 nuevos se instalarán, 0 para eliminar y 121 no actualizados.  
Se necesita descargar 618 kB de archivos.  
Se utilizarán 6 144 B de espacio de disco adicional después de esta operación.  
Des:1 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 openvpn amd64  
2.5.9-0ubuntu0.22.04.2 [618 kB]  
Descargados 618 kB en 1s (854 kB/s)  
Preconfigurando paquetes ...  
(Leyendo la base de datos ... 207924 ficheros o directorios instalados actualmen  
te.)  
Preparando para desempaquetar .../openvpn_2.5.9-0ubuntu0.22.04.2_amd64.deb ...  
Desempaquetando openvpn (2.5.9-0ubuntu0.22.04.2) sobre (2.5.5-1ubuntu3.1) ...  
Configurando openvpn (2.5.9-0ubuntu0.22.04.2) ...  
Procesando disparadores para nan-db (2.10.2-1) ...  
edgardo@edgardo-VirtualBox: ~$ sudo service openvpn status  
● openvpn.service - OpenVPN service  
   Loaded: loaded (/lib/systemd/system/openvpn.service; enabled; vendor preset  
   Active: active (exited) since Thu 2023-12-07 17:11:15 EST; 51min ago  
   Main PID: 658 (code=exited, status=0/SUCCESS)  
   CPU: 1ms  
  
dic 07 17:11:15 edgardo-VirtualBox systemd[1]: Starting OpenVPN service...  
dic 07 17:11:15 edgardo-VirtualBox systemd[1]: Finished OpenVPN service.  
lines 1-8/8 (END)
```

6. FTP



The screenshot shows a terminal window in an Ubuntu 22.04 virtual machine. The terminal output displays the installation of vsftpd, including creating a symlink, processing the service, and starting the service. The service is then enabled and its status is checked, showing it is active and running.

```
edgardo@edgardo-VirtualBox: ~  
Created symlink /etc/systemd/system/multi-user.target.wants/vsftpd.service → /li  
b/systemd/system/vsftpd.service.  
Procesando disparadores para nan-db (2.10.2-1) ...  
edgardo@edgardo-VirtualBox: ~$ sudo systemctl start vsftpd  
edgardo@edgardo-VirtualBox: ~$ sudo systemctl enable vsftpd  
Synchronizing state of vsftpd.service with SysV service script with /lib/systemd  
/systemd-sysv-install.  
Executing: /lib/systemd/systemd-sysv-install enable vsftpd  
edgardo@edgardo-VirtualBox: ~$ sudo service vsftpd  
Usage: /etc/init.d/vsftpd {start|stop|restart|reload|status}  
edgardo@edgardo-VirtualBox: ~$ sudo service vsftpd status  
● vsftpd.service - vsftpd FTP server  
   Loaded: loaded (/lib/systemd/system/vsftpd.service; enabled; vendor preset  
   Active: active (running) since Thu 2023-12-07 18:04:10 EST; 1min 3s ago  
   Main PID: 8054 (vsftpd)  
   Tasks: 1 (limit: 4559)  
   Memory: 848.0K  
   CPU: 7ms  
   CGroup: /system.slice/vsftpd.service  
           └─8054 /usr/sbin/vsftpd /etc/vsftpd.conf  
  
dic 07 18:04:10 edgardo-VirtualBox systemd[1]: Starting vsftpd FTP server...  
dic 07 18:04:10 edgardo-VirtualBox systemd[1]: Started vsftpd FTP server.  
lines 1-12/12 (END)
```