

```
root@ubuntu2: /home/vboxuser/Desktop
vboxuser@ubuntu2:~/Desktop$ sudo su
[sudo] password for vboxuser:
root@ubuntu2:/home/vboxuser/Desktop# sudo apt update && sudo apt upgrade -y
Get:1 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Hit:2 http://es.archive.ubuntu.com/ubuntu noble InRelease
Get:3 http://es.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:4 http://es.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:5 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [1,213 kB]
Get:6 http://es.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1,491 kB]
Get:7 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [202 kB]
Get:8 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.5 kB]
Get:9 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [8,748 B]
Get:10 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [1,967 kB]
Get:11 http://es.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [287 kB]
Get:12 http://es.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [175 kB]
Get:13 http://es.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata
```

Este comando actualiza la lista de paquetes y mejora el sistema a las ultimas versiones

```
root@ubuntu2:/home/vboxuser/Desktop# sudo apt install apache2 -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apache2 is already the newest version (2.4.58-1ubuntu8.8).
The following package was automatically installed and is no longer required:
  libllvm19
Use 'sudo apt autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 7 not upgraded.
root@ubuntu2:/home/vboxuser/Desktop#
```

Instala el servidor web Apache en su sistema

```
root@ubuntu2: /home/vboxuser/Desktop
GNU nano 7.2 /etc/apache2/ports.conf
# If you just change the port or add more ports here, you will likely also
# have to change the VirtualHost statement in
# /etc/apache2/sites-enabled/000-default.conf

Listen 8080

<IfModule ssl_module>
    Listen 443
</IfModule>

<IfModule mod_gnutls.c>
    Listen 443
</IfModule>

[ Read 13 lines ]
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify   ^_ Go To Line
```

Abre el archivo de configuracion de puertos .

```
root@ubuntu2: /home/vboxuser/Desktop
GNU nano 7.2 /etc/apache2/sites-available/000-default.conf
<VirtualHost *:8080>
    # The ServerName directive sets the request scheme, hostname and port that
    # the server uses to identify itself. This is used when creating
    # redirection URLs. In the context of virtual hosts, the ServerName
    # specifies what hostname must appear in the request's Host: header to
    # match this virtual host. For the default virtual host (this file) this
    # value is not decisive as it is used as a last resort host regardless.
    # However, you must set it for any further virtual host explicitly.
    #ServerName www.example.com

    ServerAdmin webmaster@localhost
    DocumentRoot /var/www/html

    # Available loglevels: trace8, ..., trace1, debug, info, notice, warn,
    # error, crit, alert, emerg.
    # It is also possible to configure the loglevel for particular
    # modules, e.g.
    #LogLevel info ssl:warn

    ErrorLog ${APACHE_LOG_DIR}/error.log

[ Read 29 lines ]
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify   ^_ Go To Line
```

```

root@ubuntu2:/home/vboxuser/Desktop# sudo apt install php libapache2-mod-php -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
php is already the newest version (2:8.3+93ubuntu2).
libapache2-mod-php is already the newest version (2:8.3+93ubuntu2).
The following package was automatically installed and is no longer required:
  liblvm19
Use 'sudo apt autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 7 not upgraded.
root@ubuntu2:/home/vboxuser/Desktop#

```

Instala php y su módulo para funcionar con apache

```

root@ubuntu2:/home/vboxuser/Desktop# sudo systemctl restart apache2
root@ubuntu2:/home/vboxuser/Desktop#

```

Reinicia apache para aplicar los cambios

```

root@ubuntu2:/home/vboxuser/Desktop# sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: >
   Active: active (running) since Fri 2025-10-10 07:55:34 UTC; 51s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 14154 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/S>
 Main PID: 14160 (apache2)
    Tasks: 6 (limit: 4603)
   Memory: 11.2M (peak: 11.8M)
      CPU: 44ms
   CGroup: /system.slice/apache2.service
           └─14160 /usr/sbin/apache2 -k start
             └─14162 /usr/sbin/apache2 -k start
               └─14163 /usr/sbin/apache2 -k start
                 └─14164 /usr/sbin/apache2 -k start
                   └─14165 /usr/sbin/apache2 -k start
                     └─14166 /usr/sbin/apache2 -k start

Oct 10 07:55:34 ubuntu2 systemd[1]: Starting apache2.service - The Apache HTTP >
Oct 10 07:55:34 ubuntu2 apachectl[14159]: AH00558: apache2: Could not reliably >
Oct 10 07:55:34 ubuntu2 systemd[1]: Started apache2.service - The Apache HTTP S>
lines 1-20/20 (END)

```

Comprueba que apache funciona bien en el puerto 8080

```

root@ubuntu2:/home/vboxuser/Desktop# echo "<?php phpinfo(); ?>" | sudo tee /var/
www/html/info.php
<?php phpinfo(); ?>
root@ubuntu2:/home/vboxuser/Desktop#

```

crea un archivo para mostrar información del servidor apache instalado.

```

root@ubuntu2:/home/vboxuser/Desktop# curl http://localhost:8080/info.php
Command 'curl' not found, but can be installed with:
snap install curl # version 8.16.0, or
apt install curl # version 8.5.0-2ubuntu10.6
See 'snap info curl' for additional versions.
root@ubuntu2:/home/vboxuser/Desktop#

```

Mira que apache vaya bien con el contenido php.

```

root@ubuntu2:/home/vboxuser/Desktop# sudo apt install nginx -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
nginx is already the newest version (1.24.0-2ubuntu7.5).
The following package was automatically installed and is no longer required:
  libllvm19
Use 'sudo apt autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 7 not upgraded.
root@ubuntu2:/home/vboxuser/Desktop#

```

Instala el servidor nginx en el sistema

```

# Please see /usr/share/doc/nginx-doc/examples/ for more detailed examples.
##
# Default server configuration
#
server {
    listen 8081 default_server;
    listen [::]:8081 default_server;

    # SSL configuration
    #
    # listen 443 ssl default_server;
    # listen [::]:443 ssl default_server;
    #
    # Note: You should disable gzip for SSL traffic.
    # See: https://bugs.debian.org/773332
    #
    # Read up on ssl_ciphers to ensure a secure configuration.
    # See: https://bugs.debian.org/765782
    [ Wrote 91 lines ]
^G Help      ^O Write Out ^W Where Is  ^K Cut      ^T Execute   ^C Location

```

```
root@ubuntu2:/home/vboxuser/Desktop# echo "<h1>Servidor Nginx</h1><p>Funcionando en puerto 8081</p>" | sudo tee /usr/share/nginx/html/index.html
<h1>Servidor Nginx</h1><p>Funcionando en puerto 8081</p>
root@ubuntu2:/home/vboxuser/Desktop#
```

Crea una pagina HTML que sea identificada por nginx

```
root@ubuntu2:/home/vboxuser/Desktop# sudo systemctl restart nginx
```

reinicia nginx

```
root@ubuntu2:/home/vboxuser/Desktop# sudo systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; preset: en>
   Active: active (running) since Fri 2025-10-10 08:07:13 UTC; 31s ago
     Docs: man:nginx(8)
  Process: 14259 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_proce>
  Process: 14260 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (>
 Main PID: 14262 (nginx)
    Tasks: 5 (limit: 4603)
   Memory: 5.0M (peak: 5.6M)
      CPU: 19ms
   CGroup: /system.slice/nginx.service
           └─14262 "nginx: master process /usr/sbin/nginx -g daemon on; maste>
             └─14263 "nginx: worker process"
               └─14264 "nginx: worker process"
                 └─14265 "nginx: worker process"
                   └─14266 "nginx: worker process"

Oct 10 08:07:13 ubuntu2 systemd[1]: Starting nginx.service - A high performance>
Oct 10 08:07:13 ubuntu2 systemd[1]: Started nginx.service - A high performance >
lines 1-19/19 (END)
```

Comprueba que funciona nginx en el puerto 8081

```
root@ubuntu2:/home/vboxuser/Desktop# curl http://localhost:8081
Command 'curl' not found, but can be installed with:
snap install curl # version 8.16.0, or
apt install curl # version 8.5.0-2ubuntu10.6
See 'snap info curl' for additional versions.
root@ubuntu2:/home/vboxuser/Desktop#
```

Revisa que nginx funciona bien en el servidor HTML

```

root@ubuntu2:/home/vboxuser/Desktop# sudo apt install -y debian-keyring debian-
archive-keyring apt-transport-https curl
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following package was automatically installed and is no longer required:
  libllvm19
Use 'sudo apt autoremove' to remove it.
The following NEW packages will be installed:
  apt-transport-https curl debian-archive-keyring debian-keyring
0 upgraded, 4 newly installed, 0 to remove and 7 not upgraded.
Need to get 31.7 MB of archives.
After this operation, 33.9 MB of additional disk space will be used.
Get:1 http://es.archive.ubuntu.com/ubuntu noble-updates/universe amd64 apt-trans
port-https all 2.8.3 [3,970 B]
Get:2 http://es.archive.ubuntu.com/ubuntu noble-updates/main amd64 curl amd64 8.
5.0-2ubuntu10.6 [226 kB]
Get:3 http://es.archive.ubuntu.com/ubuntu noble/universe amd64 debian-archive-ke
yring all 2023.4ubuntu1 [168 kB]
Get:4 http://es.archive.ubuntu.com/ubuntu noble/universe amd64 debian-keyring al
l 2023.12.24 [31.3 MB]
93% [4 debian-keyring 30.7 MB/31.3 MB 98%] 2,978 kB/s 0s

```

Instalo las siguientes herramientas para poder añadir repositorios externos

```

Processing triggers for man-db (2.12.0-4ubuntu2) ...
root@ubuntu2:/home/vboxuser/Desktop# curl -sLf 'https://dl.cloudsmith.io/public
/caddy/stable/gpg.key' | sudo gpg --dearmor -o /usr/share/keyrings/caddy-stable-
archive-keyring.gpg
root@ubuntu2:/home/vboxuser/Desktop#

root@ubuntu2:/home/vboxuser/Desktop# curl -sLf 'https://dl.cloudsmith.io/public
/caddy/stable/debian.deb.txt' | sudo tee /etc/apt/sources.List.d/caddy-stable.Li
st
tee: /etc/apt/sources.List.d/caddy-stable.List: No such file or directory
# Source: Caddy
# Site: https://github.com/caddyserver/caddy
# Repository: Caddy / stable
# Description: Fast, multi-platform web server with automatic HTTPS

deb [signed-by=/usr/share/keyrings/caddy-stable-archive-keyring.gpg] https://dl.
cloudsmith.io/public/caddy/stable/deb/debian any-version main

deb-src [signed-by=/usr/share/keyrings/caddy-stable-archive-keyring.gpg] https:/
/dl.cloudsmith.io/public/caddy/stable/deb/debian any-version main
root@ubuntu2:/home/vboxuser/Desktop#

```

Añade el repositorio oficial de caddy a tu sistema


```

root@ubuntu2:/home/vboxuser/Desktop# sudo apt update && sudo apt install caddy -y
Hit:1 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:2 http://es.archive.ubuntu.com/ubuntu noble InRelease
Hit:3 http://es.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:4 http://es.archive.ubuntu.com/ubuntu noble-backports InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
7 packages can be upgraded. Run 'apt list --upgradable' to see them.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following package was automatically installed and is no longer required:
  libllvm19
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  libnss3-tools
The following NEW packages will be installed:
  caddy libnss3-tools
0 upgraded, 2 newly installed, 0 to remove and 7 not upgraded.
Need to get 11.2 MB of archives.

```

actualiza paquetes e instala caddy

```

root@ubuntu2:/home/vboxuser/Desktop# sudo mkdir -p /var/www/caddy
root@ubuntu2:/home/vboxuser/Desktop#

```

Crea un directorio para los archivos de caddy

```

root@ubuntu2:/home/vboxuser/Desktop# echo ". Bienvenido a Caddy" | sudo tee /var/www/caddy/README.md
. Bienvenido a Caddy
root@ubuntu2:/home/vboxuser/Desktop# echo "" | sudo tee -a /var/www/caddy/README.md
.
root@ubuntu2:/home/vboxuser/Desktop# echo "Este servidor esta funcionando correctamente." | sudo tee -a /var/www/caddy/README.md
Este servidor esta funcionando correctamente.
root@ubuntu2:/home/vboxuser/Desktop# echo "## Caracteristicas" | sudo tee -a /var/www/caddy/README.md
## Caracteristicas
root@ubuntu2:/home/vboxuser/Desktop# echo "- Servidor moderno" | sudo tee -a /var/www/caddy/README.md
- Servidor moderno
root@ubuntu2:/home/vboxuser/Desktop#

```

```

root@ubuntu2:/home/vboxuser/Desktop# echo "- HTTPPS automatico" | sudo tee -a /var/www/caddy/README.md
- HTTPPS automatico
root@ubuntu2:/home/vboxuser/Desktop# echo "- Facil configuracion" | sudo tee -a /var/www/caddy/README.md
- Facil configuracion
root@ubuntu2:/home/vboxuser/Desktop#

```

Crea un archivo MACKDOWN con contenido de ejemplo

```

root@ubuntu2:/home/vboxuser/Desktop# curl -o /tmp/test-image.jpg "https://www.pythons.org/static/apple-touch-icon-144x144-precomposed.png"
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100 7382 100 7382    0     0  101k      0 --:--:-- --:--:-- --:--:-- 102k
root@ubuntu2:/home/vboxuser/Desktop# sudo mv /tmp/test-image.jpg /var/www/caddy/test.jpg
root@ubuntu2:/home/vboxuser/Desktop#

```

Descarga una imagen de prueba para verificar que Caddy sirve para archivos estaticos.

```

GNU nano 7.2 /etc/caddy/caddyfile
:8082 {
    root * /var/www/caddy
    file_server browse

    @markdown path *.md
    header @markdown Content-Type text/plain
}

```



```

root@ubuntu2:/home/vboxuser/Desktop# sudo systemctl status caddy
● caddy.service - Caddy
   Loaded: loaded (/usr/lib/systemd/system/caddy.service; enabled; preset: e>
   Active: active (running) since Fri 2025-10-10 09:06:10 UTC; 4s ago
     Docs: https://caddyserver.com/docs/
  Main PID: 17039 (caddy)
    Tasks: 9 (limit: 4603)
   Memory: 7.1M (peak: 7.4M)
      CPU: 37ms
   CGroup: /system.slice/caddy.service
           └─17039 /usr/bin/caddy run --environ --config /etc/caddy/Caddyfile

Oct 10 09:06:10 ubuntu2 caddy[17039]: {"level":"info","ts":1760087170.5743196,>
Oct 10 09:06:10 ubuntu2 caddy[17039]: {"level":"warn","ts":1760087170.5747628,>
Oct 10 09:06:10 ubuntu2 caddy[17039]: {"level":"info","ts":1760087170.5764894,>
Oct 10 09:06:10 ubuntu2 caddy[17039]: {"level":"info","ts":1760087170.5767927,>
Oct 10 09:06:10 ubuntu2 caddy[17039]: {"level":"info","ts":1760087170.5769682,>
Oct 10 09:06:10 ubuntu2 caddy[17039]: {"level":"info","ts":1760087170.5769844,>
Oct 10 09:06:10 ubuntu2 caddy[17039]: {"level":"info","ts":1760087170.5768235,>
Oct 10 09:06:10 ubuntu2 caddy[17039]: {"level":"info","ts":1760087170.5771909,>
Oct 10 09:06:10 ubuntu2 caddy[17039]: {"level":"info","ts":1760087170.5774806,>
Oct 10 09:06:10 ubuntu2 systemd[1]: Started caddy.service - Caddy.
lines 1-21/21 (END)

```

Verifica que caddy sirve correctamente en los archivos Markdown

```

root@ubuntu2:/home/vboxuser/Desktop# sudo apt install certbot python3-certbot-a
pache -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following package was automatically installed and is no longer required:
  libllvm19
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  augeas-lenses libaugeas0 python3-acme python3-augeas python3-certbot
python3-configargparse python3-icu python3-josepy python3-openssl
python3-parsedatetime python3-rfc3339
Suggested packages:
  augeas-doc python-certbot-doc python3-certbot-nginx augeas-tools
python-acme-doc python-certbot-apache-doc python-openssl-doc
python3-openssl-dbg
The following NEW packages will be installed:

```

Instala Cerbot y su integración con Apache para gestionar certificados SSL

```
Country Name (2 letter code) [AU]:ES
State or Province Name (full name) [Some-State]:ESPAÑA
Locality Name (eg, city) []:MADRID
Organization Name (eg, company) [Internet Widgits Pty Ltd]:localhost
Organizational Unit Name (eg, section) []:localhost
Common Name (e.g. server FQDN or YOUR name) []:ramon
Email Address []:peter23@gmail.com
root@ubuntu2:/home/vboxuser/Desktop#
```

crea un certificado autofirmado para practicar HTTPS localmente

```
root@ubuntu2:/home/vboxuser/Desktop# sudo a2enmod ssl
Considering dependency mime for ssl:
Module mime already enabled
Considering dependency socache_shmcb for ssl:
Enabling module socache_shmcb.
Enabling module ssl.
See /usr/share/doc/apache2/README.Debian.gz on how to configure SSL and create self-signed certificates.
To activate the new configuration, you need to run:
    systemctl restart apache2
root@ubuntu2:/home/vboxuser/Desktop#
```

activa el modulo ssl para https en apache

```
GNU nano 7.2 /etc/apache2/sites-available/default-ssl.conf
<VirtualHost *:8443>
    ServerAdmin webmaster@localhost

    DocumentRoot /var/www/html

    # Available loglevels: trace8, ..., trace1, debug, info, notice, warn,
    # error, crit, alert, emerg.
    # It is also possible to configure the loglevel for particular
    # modules, e.g.
    #LogLevel info ssl:warn

    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined

    # For most configuration files from conf-available/, which are
    # enabled or disabled at a global level, it is possible to
    # include a line for only one particular virtual host. For example the
    # following line enables the CGI configuration for this host only
    # after it has been globally disabled with "a2disconf".
    #Include conf-available/serve-cgi-bin.conf

[ Wrote 101 lines ]
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location   M-U U
^X Exit      ^R Read File  ^U Replace    ^U Paste      ^J Justify    ^_ Go To Line  M-E
```

```
root@ubuntu2: /home/vboxuser/Desktop
GNU nano 7.2 /etc/apache2/ports.conf
# If you just change the port or add more ports here, you will likely also
# have to change the VirtualHost statement in
# /etc/apache2/sites-enabled/000-default.conf

Listen 8080
Listen 8443
<IfModule ssl_module>
    Listen 443
</IfModule>

<IfModule mod_gnutls.c>
    Listen 443
</IfModule>
```

```
root@ubuntu2:/home/vboxuser/Desktop# systemctl reload apache2
root@ubuntu2:/home/vboxuser/Desktop# sudo a2ensite default-ssl.conf
Site default-ssl already enabled
root@ubuntu2:/home/vboxuser/Desktop#
```

Apache en puerto 8080

aplica todos los cambios de configuracion SSL

```
root@ubuntu2:/home/vboxuser/Desktop# sudo systemctl restart apache2
```

```
root@ubuntu2:/home/vboxuser/Desktop# curl -i -k https://localhost:8443
HTTP/1.1 200 OK
Date: Fri, 10 Oct 2025 09:23:56 GMT
Server: Apache/2.4.58 (Ubuntu)
Last-Modified: Fri, 03 Oct 2025 08:03:44 GMT
ETag: "48-6403c8a64b471"
Accept-Ranges: bytes
Content-Length: 72
Vary: Accept-Encoding
Content-Type: text/html

<h1>Hola Mundo desde Nginx</h1><p>Servidor funcionando correctamente</p>
root@ubuntu2:/home/vboxuser/Desktop#
```

Apache en puerto 8080

1. Verificar que todos los servicios estn activos

Muestra el estado de los tres servidores simultaneamente

```
root@ubuntu2:/home/vboxuser/Desktop# sudo netstat -tulpn | grep -E '8080|8081|8082|8443'
tcp        0      0 0.0.0.0:8081          0.0.0.0:*            LISTEN     14262/nginx: master
tcp6       0      0 :::8081             :::*                  LISTEN     14262/nginx: master
tcp6       0      0 :::8080             :::*                  LISTEN     17824/apache2
tcp6       0      0 :::8082             :::*                  LISTEN     17039/caddy
tcp6       0      0 :::8443             :::*                  LISTEN     17824/apache2
root@ubuntu2:/home/vboxuser/Desktop#
```

Apache en puerto 8080

Lista la imagen donde estan escuchando los servidores

```

root@ubuntu2:/home/vboxuser/Desktop# curl http://localhost:8081
<h1>Hola Mundo desde Nginx</h1><p>Servidor funcionando correctamente</p>
root@ubuntu2:/home/vboxuser/Desktop# curl http://localhost:8082
<!DOCTYPE html>
<html>

<head>
  <title></title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    * {
      padding: 0;
      margin: 0;
    }

    body {
      font-family: sans-serif;
      text-rendering: optimizespeed;
      background-color: #ffffff;

```

2. verificar puertos en uso

```

root@ubuntu2:/home/vboxuser/Desktop# curl http://localhost:8443
<!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 2.0//EN">
<html><head>
<title>400 Bad Request</title>
</head><body>
<h1>Bad Request</h1>
<p>Your browser sent a request that this server could not understand.<br />
Reason: You're speaking plain HTTP to an SSL-enabled server port.<br />
Instead use the HTTPS scheme to access this URL, please.<br />
</p>
<hr>
<address>Apache/2.4.58 (Ubuntu) Server at 10.0.0.116 Port 8443</address>
</body></html>
root@ubuntu2:/home/vboxuser/Desktop#

```

Verifica que cada servidor responde correctamente