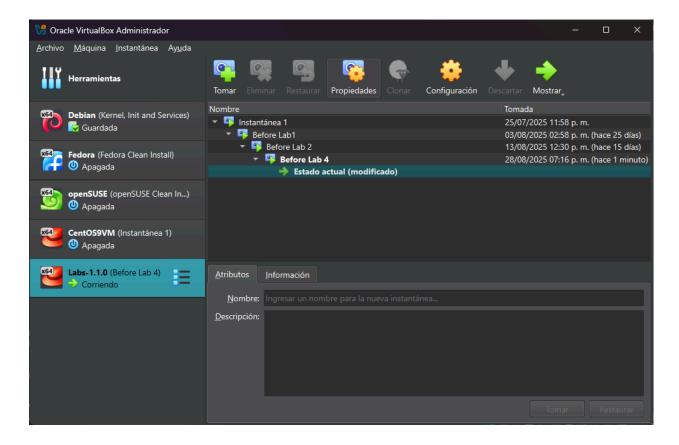
# Laboratorio - Reparar un servicio dañado

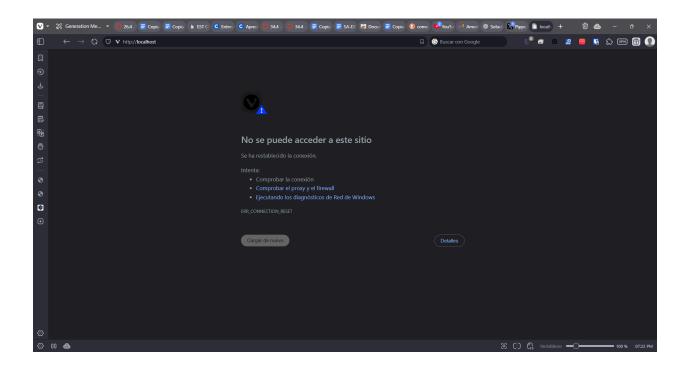
1. Creo mi Snapshot de mi laboratorio



2. Me conecto remotamente con el server en CentOS

3. Inicio el laboratiorio con el comando startlab4

Por las capturas, se puede ver que en estos momentos no hay servicio Apache y no puedo ver la bonita página de *localhost* 



4. Reviso si el servicio de httpd está corriendo adecuadamente con el comando

sudo systemctl status httpd

5. Verifico la integridad de los archivos de configuración de httpd con este comando:

### sudo apachectl configtest

En efecto. Indica que hay un error en la *línea 47* del archivo de configuración. Me llama la atención lo que me devuelve el servicio de apachectl:

Listen requires 1 or 2 arguments.

6. Me meto a editar el archivo de configuración de httpd con este comando:

sudo vi /etc/httpd/conf/httpd.conf

Buscando, encontré el argumento que está mal

```
# least PidFile.
# ServerRoot "/etc/httpd"

# Listen: Allows you to bind Apache to specific IP addresses and/or
# ports, instead of the default. See also the <VirtualHost>
# directive.
# thange this to Listen on a specific IP address, but note that if
# httpd.service is enabled to run at boot time, the address may not be
# available when the service starts. See the httpd.service(8) man
# page for more information.
# Listen 12.34.56.78:80
Listen to the music

# Dynamic Shared Object (DSO) Support
# To be able to use the functionality of a module which was built as a DSO you
# have to place corresponding 'LoadModule' lines at this location so the
# directives contained in it are actually available _before_ they are used.
# statically compiled modules (those listed by 'httpd -l') do not need
# to be loaded here.
# Example:
# Example:
# LoadModule foo_module modules/mod_foo.so
```

# Y lo corrijo para hacerlo correr sobre localhost

```
# Mutex directive, if file-based mutexes are used. If you wish to share the # same ServerRoot for multiple httpd daemons, you will need to change at # least PidFile.

# ServerRoot "/etc/httpd"

# Listen: Allows you to bind Apache to specific IP addresses and/or # ports, instead of the default. See also the <VirtualHost> # directive.

# Change this to Listen on a specific IP address, but note that if # httpd.service is enabled to run at boot time, the address may not be # available when the service starts. See the httpd.service(8) man # page for more information.

# Listen 127.0.0.1:80

#Listen to the music # Dynamic Shared Object (DSO) Support # # # To be able to use the functionality of a module which was built as a DSO you # have to place corresponding 'LoadModule' lines at this location so the # directives contained in it are actually available _before_ they are used.
# Statically compiled modules (those listed by 'httpd -l') do not need # to be loaded here.
# Calendario
```

```
# virtual host being defined.

# ServerAdmin: Your address, where problems with the server should be
# e-mailed. This address appears on some server-generated pages, such
# as error documents. e.g. admin@your-domain.com
# ServerName gives the name and port that the server uses to identify itself.
# This can often be determined automatically, but we recommend you specify
# it explicitly to prevent problems during startup.
# # If your host doesn't have a registered DNS name, enter its IP address here.
# # Deny access to the entirety of your server's filesystem. You must
# explicitly permit access to web content directories in other
# <Directory > blocks below.
# CDirectory />
AllowOverride none
Require all denied
# </Directory>
:ww|
```

Termino por guardar los cambios hechos sobre el archivo de configuración.

### 7. Compruebo el servicio httpd

```
O httpd.service - The Apache HTTP Server
Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
Active: inactive (dead)
Docs: man:httpd.service(8)

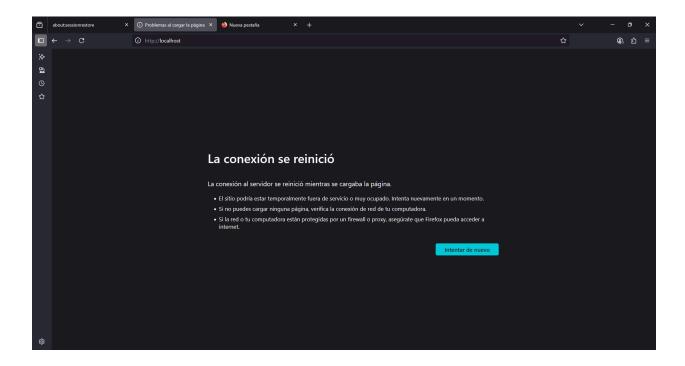
Aug 28 22:42:06 localhost systemd[1]: httpd.service: Unit cannot be reloaded because it is inactive.
[centos@vbox ~]$
sudo vi /etc/httpd/conf/httpd.conf
[centos@vbox ~]$ sudo vi /etc/httpd/conf/httpd.conf
[centos@vbox ~]$ sudo vi /etc/httpd/conf/httpd.conf
[centos@vbox ~]$ sudo vi /etc/httpd/conf/httpd.conf
[centos@vbox ~]$ sudo vi /etc/httpd/conf/httpd.conf
[centos@vbox ~]$ sudo reliably determine the server's fully qualified domain name, using fe80::a00:27ff:fe90:7e5%enp
gos3. Set the 'ServerName' directive globally to suppress this message
Syntax OK
[centos@vbox ~]$ |
```

```
| Centos@vbox | S | Could not reliably determine the server's fully qualified domain name, ^C | Centos@vbox | S | Centos
```

8. Reinicio y compruebo el servicio de httpd.

```
[centos@vbox ~]$
[cento
```

9. No quiere iniciar el sever apache



# 10. Checho el log a ver qué está mal

sudo vi /var/log/httpd/error\_log

```
[Thu Aug 28 23:52:40.275667 2025] [core:notice] [pid 2080:tid 2080] SELinux policy enabled; httpd running as context sys
tem_u:system_r:httpd_t:s0
[Thu Aug 28 23:52:40.423602 2025] [suexec:notice] [pid 2080:tid 2080] AH01232: suEXEC mechanism enabled (wrapper: /usr/s
AH00558: httpd: Could not reliably determine the server's fully qualified<u>domain name, using fe80::a00:27ff</u>:fe90:7e5%enp
0s3. Set the 'ServerName' directive globally to suppress this message
[Thu Aug 28 23:52:50.550833 2025] [lbmethod_heartbeat:notice] [pid 2080:tid 2080] AH02282: No slotmem from mod_heartmoni
[Thu Aug 28 23:52:50.587715 2025] [mpm_event:notice] [pid 2080:tid 2080] AH00489: Apache/2.4.62 (CentOS Stream) configur
ed -- resuming normal operations
[Thu Aug 28 23:52:50.588758 2025] [core:notice] [pid 2080:tid 2080] AH00094: Command line: '/usr/sbin/httpd -D FOREGROUN
[Thu Aug 28 23:59:52.366727 2025] [mpm_event:notice] [pid 2080:tid 2080] AH00492: caught SIGWINCH, shutting down gracefu
[Thu Aug 28 23:59:53.545839 2025] [core:notice] [pid 2284:tid 2284] SELinux policy enabled; httpd running as context sys
tem_u:system_r:httpd_t:s0
[Thu Aug 28 23:59:53.546087 2025] [suexec:notice] [pid 2284:tid 2284] AH01232: suEXEC mechanism enabled (wrapper: /usr/s
bin/suexec)
Thu Aug 28 23:59:53.584033 2025] [lbmethod_heartbeat:notice] [pid 2284:tid 2284] AH02282: No slotmem from mod_heartmoni
[Thu Aug 28 23:59:53.619961 2025] [mpm_event:notice] [pid 2284:tid 2284] AH00489: Apache/2.4.62 (CentOS Stream) configur
ed -- resuming normal operations
[Thu Aug 28 23:59:53.620046 2025] [core:notice] [pid 2284:tid 2284] AH00094: Command line: '/usr/sbin/httpd -D FOREGROUN
[Fri Aug 29 00:14:48.279071 2025] [mpm_event:notice] [pid 2284:tid 2284] AH00492: caught SIGWINCH, shutting down gracefu
lly
[Fri Aug 29 00:14:49.772696 2025] [core:notice] [pid 2519:tid 2519] SELinux policy enabled; httpd running as context sys
tem_u:system_r:httpd_t:s0
/var/log/httpd/error_log" 19L, 2731B
```

Me indica que algo sigo teniendo mal en la configuracion del server

Y vuelvo a modifcar el parámetro de Listen

```
# least PidFile.
# ServerRoot "/etc/httpd"

# Listen: Allows you to bind Apache to specific IP addresses and/or
# ports, instead of the default. See also the <VirtualHost>
# directive.
# Change this to Listen on a specific IP address, but note that if
# httpd.service is enabled to run at boot time, the address may not be
# available when the service starts. See the httpd.service(8) man
# page for more information.
# Dynamic Shared Object (DSO) Support

# Dynamic Shared Object (DSO) Support
# to be able to use the functionality of a module which was built as a DSO you
# have to place corresponding 'LoadModule' lines at this location so the
# directives contained in it are actually available _before_ they are used.
# Statically compiled modules (those listed by 'httpd -l') do not need
# to be loaded here.
# Example:
# Example:
# LoadModule foo_module modules/mod_foo.so
```

Reinicio Servicio, checo si el servicio httpd está activo.

```
[centos@vbox ~]$
[centos@vbox ~]$ sudo httpd -t
Syntax OK
[centos@vbox ~]$ sudo vi /etc/httpd/conf/httpd.conf
[centos@vbox ~]$ sudo vi /etc/httpd/conf/httpd.conf
[centos@vbox ~]$
[centos@vbox ~]$ sudo systemctl restart httpd
[centos@vbox ~]$ sudo systemctl restart httpd
[centos@vbox ~]$ sudo systemctl status httpd

Active: active (running) since Fri 2025-08-29 00:14:49 BST; 5s ago

Docs: man:httpd.service(8)

Main PID: 2519 (httpd)

Status: "Started, listening on: port 80"

Tasks: 177 (limit: 23169)

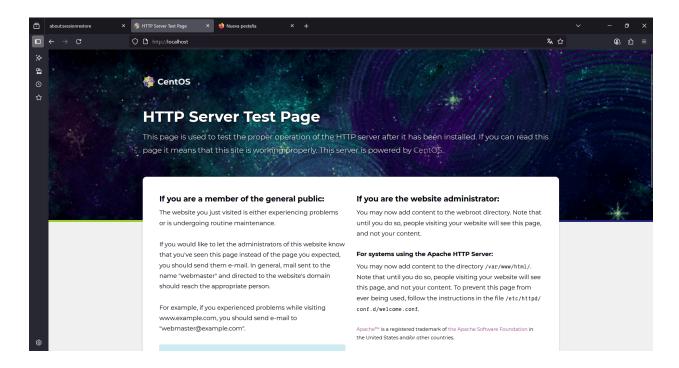
Hemory: 39.7M

CPU: 694Hms

CGroup: /system.slice/httpd.service

—2519 /usr/sbin/httpd —DFOREGROUND
—2520 /usr/sbin/httpd —DFOREGROUND
—2521 /usr/sbin/httpd —DFOREGROUND
—2522 /usr/sbin/httpd —DFOREGROUND
—2523 /usr/sbin/httpd —DFOREGROUND
—2524 /usr/sbin/httpd —DFOREGROUND
—2525 /usr/sbin/httpd —DFOREGROUND
—2526 /usr/sbin/httpd —DFOREGROUND
—2527 /usr/sbin/httpd —DFOREGROUND
—2528 /usr/sbin/httpd —DFOREGROUND
—2529 /usr/sbin/httpd —DFOREGROUND
—2520 /usr/sbin/httpd —DFOREGROUND
—2521 /usr/sbin/httpd —DFOREGROUND
—2522 /usr/sbin/httpd —DFOREGROUND
—2523 /usr/sbin/httpd —DFOREGROUND
—2524 /usr/sbin/httpd —DFOREGROUND
—2525 /usr/sbin/httpd —DFOREGROUND
—2526 /usr/sbin/httpd —DFOREGROUND
—2527 /usr/sbin/httpd —DFOREGROUND
—2528 /usr/sbin/httpd —DFOREGROUND
—2529 /usr/sbin/httpd —DFOREGROUND
—2520 /usr/sbin/httpd —DFOREGROUND
—2521 /usr/sbin/httpd —DFOREGROUND
—2522 /usr/sbin/httpd —DFOREGROUND
—252
```

Lo está, reviso Localhost.



Ya pude recuperar el sitio.

11. Escribo el comando stoplab4 para finalizar el laboratorio. Termina siendo un éxito

```
Centos@vboc ~ | $ sudo httpd -t
Syntax OK
[centos@vbox ~] $ sudo vi /etc/httpd/conf/httpd.conf
[centos@vbox ~] $ sudo systemctl restart httpd
[centos@vbox ~] $ sudo systemctl status httpd
[centos@vbox ~] $ sudo systemd[] Status httpd
[centos@vbox ~] $ sudo vi /var/httpd -DFOREGROUND
[-2512 /usr/sbin/httpd -DFOREGROUND
[
```