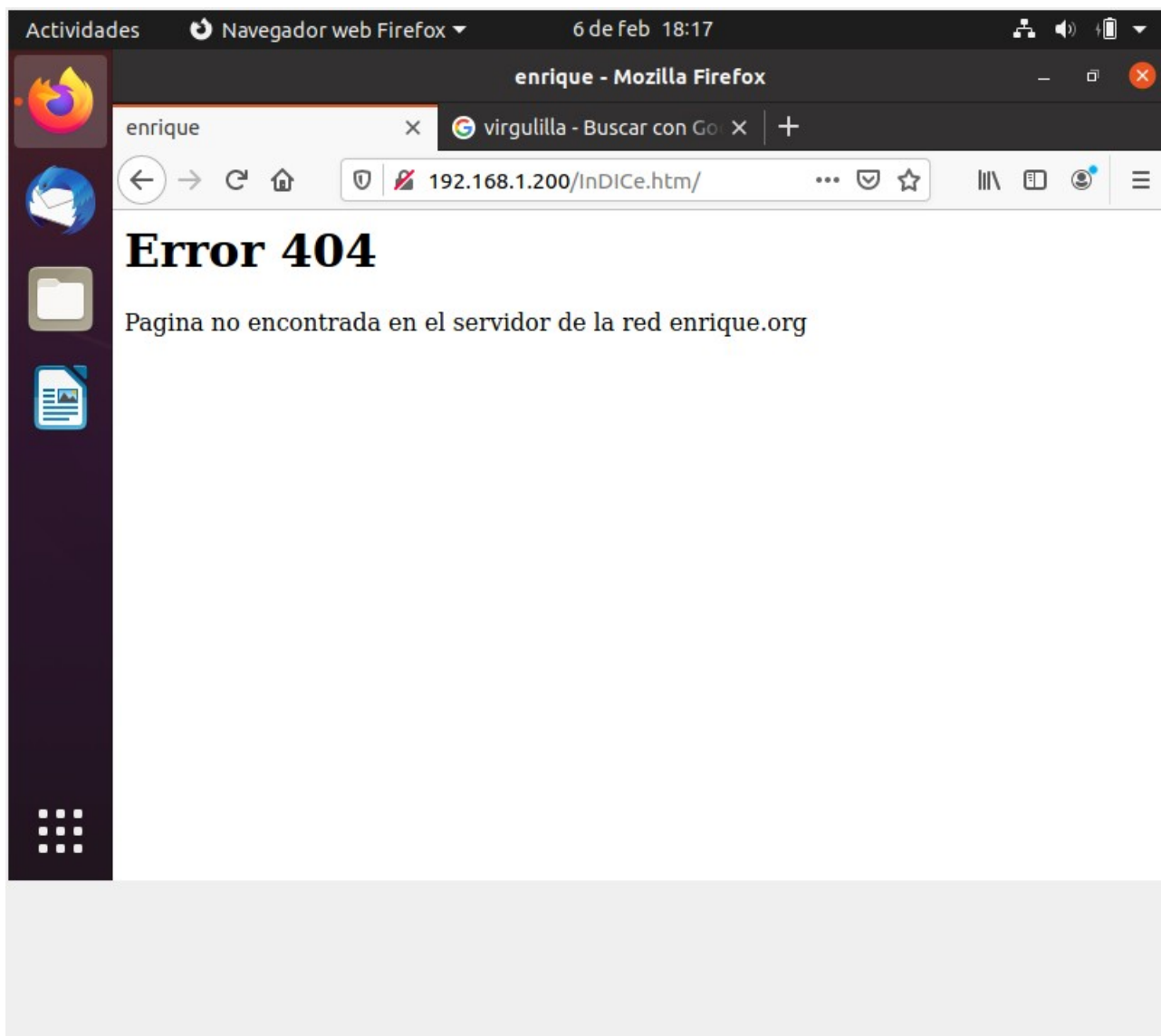Actividad 1 – Módulos speling

1. Comprobar que el módulo speling no está habilitado. (Haz captura de pantalla)


```
enrique@enrique:~$ cd /etc/apache2/mods-enabled/
enrique@enrique:/etc/apache2/mods-enabled$ ll
total 12
drwxr-xr-x 2 root root 4096 Feb  6 16:59 ./
drwxr-xr-x 8 root root 4096 Feb  4 15:49 ../
-rw-r--r-- 1 root root 1024 Feb  6 16:18 .dir.load.swp
lrwxrwxrwx 1 root root   36 Jan 18 11:56 access_compat.load -> ../mods-available/access_compat.load
lrwxrwxrwx 1 root root   28 Jan 18 11:56 alias.conf -> ../mods-available/alias.conf
lrwxrwxrwx 1 root root   28 Jan 18 11:56 alias.load -> ../mods-available/alias.load
lrwxrwxrwx 1 root root   33 Jan 18 11:56 auth_basic.load -> ../mods-available/auth_basic.load
lrwxrwxrwx 1 root root   33 Jan 18 11:56 authn_core.load -> ../mods-available/authn_core.load
lrwxrwxrwx 1 root root   33 Jan 18 11:56 authn_file.load -> ../mods-available/authn_file.load
lrwxrwxrwx 1 root root   33 Jan 18 11:56 authz_core.load -> ../mods-available/authz_core.load
lrwxrwxrwx 1 root root   33 Jan 18 11:56 authz_host.load -> ../mods-available/authz_host.load
lrwxrwxrwx 1 root root   33 Jan 18 11:56 authz_user.load -> ../mods-available/authz_user.load
lrwxrwxrwx 1 root root   32 Jan 18 11:56 autoindex.conf -> ../mods-available/autoindex.conf
lrwxrwxrwx 1 root root   32 Jan 18 11:56 autoindex.load -> ../mods-available/autoindex.load
lrwxrwxrwx 1 root root   30 Jan 18 11:56 deflate.conf -> ../mods-available/deflate.conf
lrwxrwxrwx 1 root root   30 Jan 18 11:56 deflate.load -> ../mods-available/deflate.load
lrwxrwxrwx 1 root root   26 Jan 18 11:56 dir.conf -> ../mods-available/dir.conf
lrwxrwxrwx 1 root root   26 Jan 18 11:56 dir.load -> ../mods-available/dir.load
lrwxrwxrwx 1 root root   26 Jan 18 11:56 env.load -> ../mods-available/env.load
lrwxrwxrwx 1 root root   29 Jan 18 11:56 filter.load -> ../mods-available/filter.load
lrwxrwxrwx 1 root root   27 Jan 18 11:56 mime.conf -> ../mods-available/mime.conf
lrwxrwxrwx 1 root root   27 Jan 18 11:56 mime.load -> ../mods-available/mime.load
lrwxrwxrwx 1 root root   32 Jan 18 11:56 mpm_event.conf -> ../mods-available/mpm_event.conf
lrwxrwxrwx 1 root root   32 Jan 18 11:56 mpm_event.load -> ../mods-available/mpm_event.load
lrwxrwxrwx 1 root root   34 Jan 18 11:56 negotiation.conf -> ../mods-available/negotiation.conf
lrwxrwxrwx 1 root root   34 Jan 18 11:56 negotiation.load -> ../mods-available/negotiation.load
lrwxrwxrwx 1 root root   33 Jan 18 11:56 reqtimeout.conf -> ../mods-available/reqtimeout.conf
lrwxrwxrwx 1 root root   33 Jan 18 11:56 reqtimeout.load -> ../mods-available/reqtimeout.load
lrwxrwxrwx 1 root root   31 Jan 18 11:56 setenvif.conf -> ../mods-available/setenvif.conf
lrwxrwxrwx 1 root root   31 Jan 18 11:56 setenvif.load -> ../mods-available/setenvif.load
lrwxrwxrwx 1 root root   29 Jan 18 11:56 status.conf -> ../mods-available/status.conf
lrwxrwxrwx 1 root root   29 Jan 18 11:56 status.load -> ../mods-available/status.load
enrique@enrique:/etc/apache2/mods-enabled$
```

2. Desde un cliente Web, accede a http: //IP-Server/indice.htm (o index.htm) (Haz captura de pantalla)
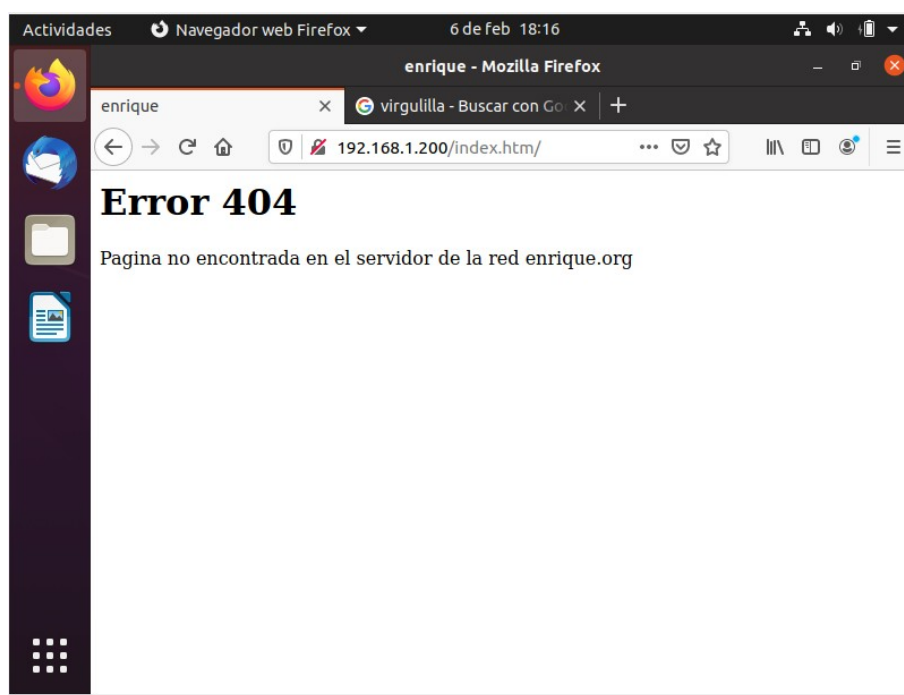
3. Desde un cliente Web, accede a http: //IP-Server/InDICe.html (o inDex.html)(Haz captura de pantalla)

4. Habilita el módulo ejecutando el comando adecuado. (Haz captura de pantalla)

```
enrique@enrique:/etc/apache2/mods-enabled$ sudo a2enmod speling
Enabling module speling.
To activate the new configuration, you need to run:
  systemctl restart apache2
enrique@enrique:/etc/apache2/mods-enabled$ systemctl restart apache2
==== AUTHENTICATING FOR org.freedesktop.systemd1.manage-units ===
Authentication is required to restart 'apache2.service'.
Authenticating as: enrique
Password:
==== AUTHENTICATION COMPLETE ===
enrique@enrique:/etc/apache2/mods-enabled$ _
```

5. Comprueba que está habilitado el módulo speling. (Haz captura de pantalla)

```
==== AUTHENTICATION COMPLETE ===
enrique@enrique:/etc/apache2/mods-enabled$ ll
total 12
drwxr-xr-x 2 root root 4096 Feb  6 17:17 ./
drwxr-xr-x 8 root root 4096 Feb  4 15:49 ../
-rw-r--r-- 1 root root 1024 Feb  6 16:18 .dir.load.swp
lrwxrwxrwx 1 root root   36 Jan 18 11:56 access_compat.load -> ../mods-available/access_compat.load
lrwxrwxrwx 1 root root   28 Jan 18 11:56 alias.conf -> ../mods-available/alias.conf
lrwxrwxrwx 1 root root   28 Jan 18 11:56 alias.load -> ../mods-available/alias.load
lrwxrwxrwx 1 root root   33 Jan 18 11:56 auth_basic.load -> ../mods-available/auth_basic.load
lrwxrwxrwx 1 root root   33 Jan 18 11:56 authn_core.load -> ../mods-available/authn_core.load
lrwxrwxrwx 1 root root   33 Jan 18 11:56 authn_file.load -> ../mods-available/authn_file.load
lrwxrwxrwx 1 root root   33 Jan 18 11:56 authz_core.load -> ../mods-available/authz_core.load
lrwxrwxrwx 1 root root   33 Jan 18 11:56 authz_host.load -> ../mods-available/authz_host.load
lrwxrwxrwx 1 root root   33 Jan 18 11:56 authz_user.load -> ../mods-available/authz_user.load
lrwxrwxrwx 1 root root   32 Jan 18 11:56 autoindex.conf -> ../mods-available/autoindex.conf
lrwxrwxrwx 1 root root   32 Jan 18 11:56 autoindex.load -> ../mods-available/autoindex.load
lrwxrwxrwx 1 root root   30 Jan 18 11:56 deflate.conf -> ../mods-available/deflate.conf
lrwxrwxrwx 1 root root   30 Jan 18 11:56 deflate.load -> ../mods-available/deflate.load
lrwxrwxrwx 1 root root   26 Jan 18 11:56 dir.conf -> ../mods-available/dir.conf
lrwxrwxrwx 1 root root   26 Jan 18 11:56 dir.load -> ../mods-available/dir.load
lrwxrwxrwx 1 root root   26 Jan 18 11:56 env.load -> ../mods-available/env.load
lrwxrwxrwx 1 root root   29 Jan 18 11:56 filter.load -> ../mods-available/filter.load
lrwxrwxrwx 1 root root   27 Jan 18 11:56 mime.conf -> ../mods-available/mime.conf
lrwxrwxrwx 1 root root   27 Jan 18 11:56 mime.load -> ../mods-available/mime.load
lrwxrwxrwx 1 root root   32 Jan 18 11:56 mpm_event.conf -> ../mods-available/mpm_event.conf
lrwxrwxrwx 1 root root   32 Jan 18 11:56 mpm_event.load -> ../mods-available/mpm_event.load
lrwxrwxrwx 1 root root   34 Jan 18 11:56 negotiation.conf -> ../mods-available/negotiation.conf
lrwxrwxrwx 1 root root   34 Jan 18 11:56 negotiation.load -> ../mods-available/negotiation.load
lrwxrwxrwx 1 root root   33 Jan 18 11:56 reqtimeout.conf -> ../mods-available/reqtimeout.conf
lrwxrwxrwx 1 root root   33 Jan 18 11:56 reqtimeout.load -> ../mods-available/reqtimeout.load
lrwxrwxrwx 1 root root   31 Jan 18 11:56 setenvif.conf -> ../mods-available/setenvif.conf
lrwxrwxrwx 1 root root   31 Jan 18 11:56 setenvif.load -> ../mods-available/setenvif.load
lrwxrwxrwx 1 root root   30 Feb  6 17:17 speling.load -> ../mods-available/speling.load
lrwxrwxrwx 1 root root   29 Jan 18 11:56 status.conf -> ../mods-available/status.conf
lrwxrwxrwx 1 root root   29 Jan 18 11:56 status.load -> ../mods-available/status.load
enrique@enrique:/etc/apache2/mods-enabled$
```
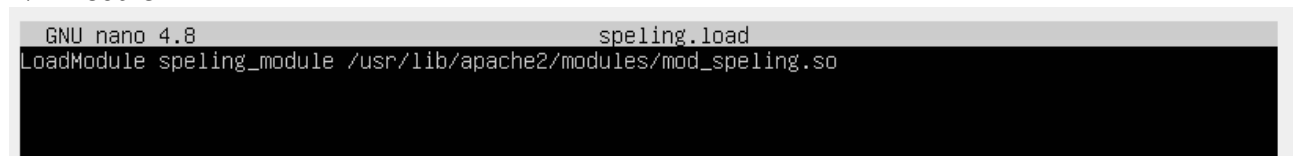
6. ¿Cuál es el contenido del fichero de configuración del módulo que se ha habilitado? (Haz captura de pantalla)

Nota: Recordar que debéis crear el fichero de configuración si no existe

Las directivas solo se aplicarán si está cargado el modulo, mediante "ifmodule" que controla si se debe aplicar la directiva o no.

<IfModule mod_speling.c>

</ifModule>

```
  GNU nano 4.8                          speling.load
LoadModule speling_module /usr/lib/apache2/modules/mod_speling.so
```

```
  GNU nano 4.8                          speling.conf                    Modified
<IfModule mod_spelling.c>

</ifModule>




















^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
```

7. ¿Qué directivas se usan en este módulo?
Tiene las directivas de :
-CheckCaseOnly
-CheckSpelling

8. Investiga en Internet, cuál es el uso de dichas directivas y los valores que puede tomar

Se utilizan las de:
-ChekCaseOnly on|off
-CheckSpelling on|off

9. Activa todas las directivas del módulo con el que estamos trabajando (Haz captura de pantalla)

```
  GNU nano 4.8                          speling.conf                          Modified
<IfModule mod_spelling.c>

CheckCaseOnly on
CheckSpelling on


</ifModule>



















Save modified buffer? _
Y Yes
N No              ^C Cancel
```

10. Reinicia el servidor para que los cambios surtan efecto

```
enrique@enrique:/etc/apache2/mods-enabled$ systemctl restart apache2
==== AUTHENTICATING FOR org.freedesktop.systemd1.manage-units ===
Authentication is required to restart 'apache2.service'.
Authenticating as: enrique
Password:
==== AUTHENTICATION COMPLETE ===
enrique@enrique:/etc/apache2/mods-enabled$
```

11. Desde un cliente Web, accede a http: //IP-Server/indice.hml (Haz captura de pantalla)

12. Desde un cliente Web, accede a http: //IP-Server/InDIce.html (Haz captura de pantalla)

13. Deshabilita el módulo speling (Haz captura de pantalla)

```
enrique@enrique:/etc/apache2/mods-enabled$ sudo a2dismod speling
Module speling disabled.
```

14. Comprueba que está deshabilitado el módulo speling. (Haz captura de pantalla)

```
enrique@enrique:/etc/apache2/mods-enabled$ apache2ctl -M
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0
.1.1. Set the 'ServerName' directive globally to suppress this message
Loaded Modules:
 core_module (static)
 so_module (static)
 watchdog_module (static)
 http_module (static)
 log_config_module (static)
 logio_module (static)
 version_module (static)
 unixd_module (static)
 access_compat_module (shared)
 alias_module (shared)
 auth_basic_module (shared)
 authn_core_module (shared)
 authn_file_module (shared)
 authz_core_module (shared)
 authz_host_module (shared)
 authz_user_module (shared)
 autoindex_module (shared)
 deflate_module (shared)
 dir_module (shared)
 env_module (shared)
 filter_module (shared)
 mime_module (shared)
 mpm_event_module (shared)
 negotiation_module (shared)
 reqtimeout_module (shared)
 setenvif_module (shared)
 status_module (shared)
enrique@enrique:/etc/apache2/mods-enabled$
```

15. Reinicia el servidor para que los cambios tengan efecto

```
  systemctl restart apache2
enrique@enrique:/etc/apache2/mods-enabled$ systemctl restart apache2
==== AUTHENTICATING FOR org.freedesktop.systemd1.manage-units ===
Authentication is required to restart 'apache2.service'.
Authenticating as: enrique
Password:
==== AUTHENTICATION COMPLETE ===
enrique@enrique:/etc/apache2/mods-enabled$ _
```