



## **Ejercicio: Página personal**

**Profesor: Angie Aguilar**

**Alumno: Erick González Durán**

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## Creación y configuración de la página


1. Primero se toma la configuración de una configuración previa, en este caso se tomará de sitioDominio.conf.

```
erick@erick-VirtualBox:/etc/apache2/sites-available$ ls
000-default.conf default-ssl.conf portal.conf sitioDominio.conf sitioIP.conf
erick@erick-VirtualBox:/etc/apache2/sites-available$ sudo cp sitioDominio.conf paginaPersonal.conf
erick@erick-VirtualBox:/etc/apache2/sites-available$
```

2. La configuración consiste en las siguientes opciones (En mi caso tuve que renombrar el archivo ya que no era el que se especificaba en las indicaciones de la profesora):

```
erick@erick-VirtualBox:/etc/apache2/sites-available$ ls
000-default.conf default-ssl.conf paginaPersonal.conf portal.conf sitioDominio.conf sitioIP.conf
erick@erick-VirtualBox:/etc/apache2/sites-available$ sudo mv paginaPersonal.conf personal.conf
erick@erick-VirtualBox:/etc/apache2/sites-available$ ls
000-default.conf default-ssl.conf personal.conf portal.conf sitioDominio.conf sitioIP.conf
erick@erick-VirtualBox:/etc/apache2/sites-available$ code personal.conf
erick@erick-VirtualBox:/etc/apache2/sites-available$
```

- a. DocumentRoot en /var/www/personal.
- b. Bitácora de error y access propias para este VH.
- c. Remover la firma del servidor y del encabezado.

etc > apache2 > sites-available >  personal.conf

```
1 <VirtualHost *:80>
2     # The ServerName directive sets the request scheme, hostname and port that
3     # the server uses to identify itself. This is used when creating
4     # redirection URLs. In the context of virtual hosts, the ServerName
5     # specifies what hostname must appear in the request's Host: header to
6     # match this virtual host. For the default virtual host (this file) this
7     # value is not decisive as it is used as a last resort host regardless.
8     # However, you must set it for any further virtual host explicitly.
9     ServerName www.paginapersonal.unam.mx
10    ServerAdmin erickgd@ciencias.unam.mx
11    DocumentRoot /var/www/personal
12    <Directory /var/www/personal>
13        Options -Indexes -FollowSymLinks +MultiViews
14        AllowOverride None
15        Require all granted
16    </Directory>
17    # Available loglevels: trace8, ..., trace1, debug, info, notice, warn,
18    # error, crit, alert, emerg.
19    # It is also possible to configure the loglevel for particular
20    # modules, e.g.
21    LogLevel info warn
22    ErrorLog ${APACHE_LOG_DIR}/paginaPer-error.log
23    CustomLog ${APACHE_LOG_DIR}/paginaPer-access.log combined
24    ServerSignature off
25    # For most configuration files from conf-available/, which are
26    # enabled or disabled at a global level, it is possible to
27    # include a line for only one particular virtual host. For example the
28    # following line enables the CGI configuration for this host only
29    # after it has been globally disabled with "a2disconf".
30    #Include conf-available/serve-cgi-bin.conf
31 </VirtualHost>
32 ServerTokens ProductOnly
```

3. Se clona el repositorio previamente creado en /var/www/personal.

```
erick@erick-VirtualBox:/var/www$ sudo git clone https://github.com/El3ctrix/personal.git
Cloning into 'personal'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 651 bytes | 325.00 KiB/s, done.
erick@erick-VirtualBox:/var/www$ ls
html  personal  sitio1  sitioDominio  sitioIP
erick@erick-VirtualBox:/var/www$ cd personal/
erick@erick-VirtualBox:/var/www/personal$ ls
README.md
```

4. Se incluye un index con la información solicitada.

```
var > www > personal > index.html > html > body > ol > li
1  <!DOCTYPE html>
2  <html>
3  <body>
4      <h1> Sitio Personal</h1>
5      Mi nombre es Erick Gonzalez Duran, soy egresado de la carrera en ciencias de la computacion
6      de la facultad de ciencias de la UNAM, mis pasatiempos son leer y pasar rato con mis mascotas.
7      Mis planes a futuro son:
8      <ol>
9          <li>Terminar el plan de becarios</li>
10         <li>Terminar la tesis</li>
11         <li>Aplicar a una maestria</li>
12         <li>Tener un zorro fennec de mascota</li>
13     </ol>
14
15 </body>
16 </html>
```

5. Se incluye un archivo de créditos con las características solicitadas.

```
var > www > personal > creditos.html > html > body > ol > li
1  <!DOCTYPE html>
2  <html>
3  <body>
4      <h1> Creditos</h1>
5
6      <ol>
7          <li>Erick Gonzalez Duran: Alumno y creador de esta pagina</li>
8      </ol>
9
10 </body>
11 </html>
```

6. Se crea un enlace entre index y creditos, en este caso se utiliza href.

```
<a href="./index.html"> Regresar </a>
```

```
<a href="./creditos.html"> Creditos </a>
```

7. Se genera un archivo con los errores más comunes(se agrega configuración adicional al archivo personal.conf).

```

<VirtualHost *:80>
    # 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.paginapersonal.unam.mx
    ServerAdmin erickgd@ciencias.unam.mx
    DocumentRoot /var/www/personal
    <Directory /var/www/personal>
        Options -Indexes -FollowSymLinks +MultiViews
        AllowOverride None
        Require all granted
    </Directory>
    # 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 warn
    ErrorLog ${APACHE_LOG_DIR}/paginaPer-error.log
    CustomLog ${APACHE_LOG_DIR}/paginaPer-access.log combined
    ServerSignature off
    # 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
    ErrorDocument 400 /error.html
    ErrorDocument 401 /error.html
    ErrorDocument 403 /error.html
    ErrorDocument 404 /error.html
    ErrorDocument 500 /error.html
    ErrorDocument 503 /error.html
    ErrorDocument 504 /error.html
</VirtualHost>
ServerTokens ProductOnly

```

```

var > www > personal > <> error.html > <img alt="html icon" data-bbox="488 751 505 768"/> html > <img alt="body icon" data-bbox="565 751 582 768"/> body
1  <!DOCTYPE html>
2  <html>
3  <body>
4      <h1> Error</h1>
5      Ocurrio un error.
6  </body>
7  </html>

```

8. Se habilita el sitio y se reinicia el servicio de apache2:

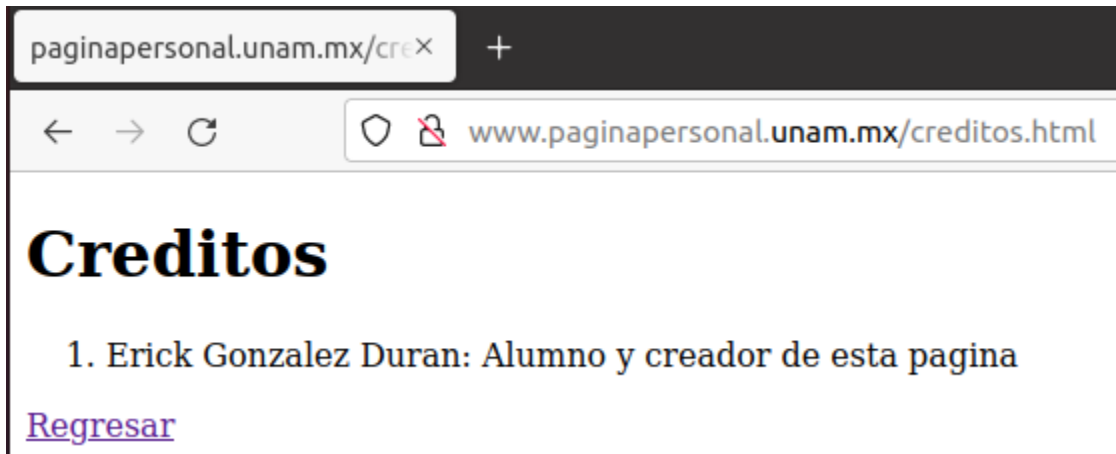
```
erick@erick-VirtualBox:~$ sudo a2ensite personal
Enabling site personal.
To activate the new configuration, you need to run:
    systemctl reload apache2
erick@erick-VirtualBox:~$ sudo systemctl restart apache2
erick@erick-VirtualBox:~$
```

9. Se verifica que funcione el sitio:

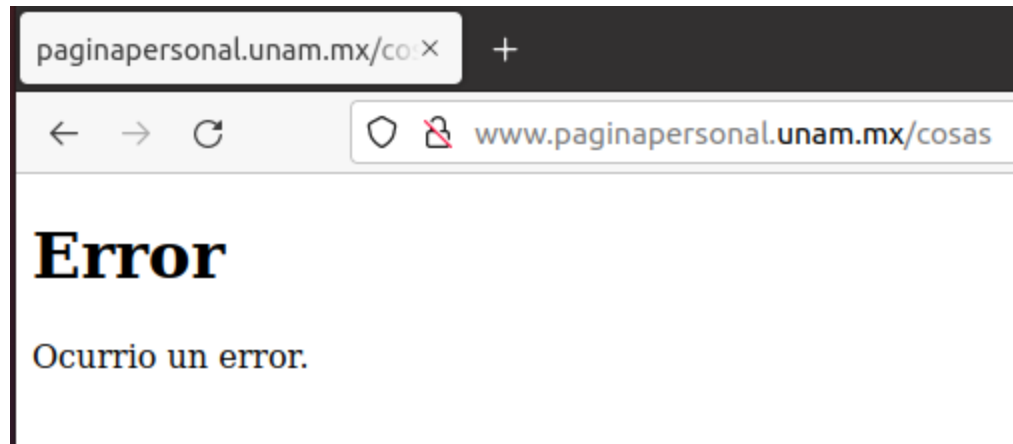
a. Index:



b. Créditos:



c. Error:



10. Se genera un archivo con la configuración del VH y se copia en la dirección del repositorio.

```
erick@erick-VirtualBox:/etc/apache2/sites-available$ ls
000-default.conf  personal.conf  sitioDominio.conf
default-ssl.conf  portal.conf    sitioIP.conf
erick@erick-VirtualBox:/etc/apache2/sites-available$ sudo cp personal.conf /var/www/personal/
[sudo] password for erick:
erick@erick-VirtualBox:/etc/apache2/sites-available$
```

```
erick@erick-VirtualBox:/var/www/personal$ ls
creditos.html  error.html  index.html  personal.conf  README.md
erick@erick-VirtualBox:/var/www/personal$ batcat personal.conf
```

File: **personal.conf**

```
1  <VirtualHost *:80>
2      # The ServerName directive sets the request scheme, hostname and port that
3      # the server uses to identify itself. This is used when creating
4      # redirection URLs. In the context of virtual hosts, the ServerName
5      # specifies what hostname must appear in the request's Host: header to
6      # match this virtual host. For the default virtual host (this file) this
7      # value is not decisive as it is used as a last resort host regardless.
8      # However, you must set it for any further virtual host explicitly.
9      ServerName www.paginapersonal.unam.mx
10     ServerAdmin erickgd@ciencias.unam.mx
11     DocumentRoot /var/www/personal
12     <Directory /var/www/personal>
13         Options -Indexes -FollowSymLinks +MultiViews
14         AllowOverride None
15         Require all granted
16     </Directory>
17     # Available loglevels: trace8, ..., trace1, debug, info, notice, warn,
18     # error, crit, alert, emerg.
19     # It is also possible to configure the loglevel for particular
20     # modules, e.g.
21     LogLevel info warn
22     ErrorLog ${APACHE_LOG_DIR}/paginaPer-error.log
23     CustomLog ${APACHE_LOG_DIR}/paginaPer-access.log combined
24     ServerSignature off
25     # For most configuration files from conf-available/, which are
26     # enabled or disabled at a global level, it is possible to
27     # include a line for only one particular virtual host. For example the
28     # following line enables the CGI configuration for this host only
29     # after it has been globally disabled with "a2disconf".
30     #Include conf-available/serve-cgi-bin.conf
31     ErrorDocument 400 /error.html
32     ErrorDocument 401 /error.html
33     ErrorDocument 403 /error.html
34     ErrorDocument 404 /error.html
35     ErrorDocument 500 /error.html
36     ErrorDocument 503 /error.html
37     ErrorDocument 504 /error.html
38 </VirtualHost>
39 ServerTokens ProductOnly
40 # vim: syntax=apache ts=4 sw=4 sts=4 sr noet
```

```
erick@erick-VirtualBox:/var/www/personal$
```

11. Se suben los cambios al repositorio en github.

```
erick@erick-VirtualBox:/var/www/personal$ sudo git push
Username for 'https://github.com': El3ctrix
Password for 'https://El3ctrix@github.com':
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 2 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 1.78 KiB | 607.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0)
To https://github.com/El3ctrix/personal.git
d416ccf..cc1bc4c main -> main
erick@erick-VirtualBox:/var/www/personal$
```

The screenshot shows the GitHub web interface for the repository 'El3ctrix/personal'. The repository is public and has 1 watch, 0 forks, and 0 stars. The main branch is 'main'. The repository description is 'Pagina personal para el curso de seguridad en aplicaciones web'. The file list shows the following files and their commit times:

File	Commit Time
README.md	Initial commit (1 hour ago)
creditos.html	Terminando actividad (2 minutes ago)
error.html	Terminando actividad (2 minutes ago)
index.html	Terminando actividad (2 minutes ago)
personal.conf	Terminando actividad (2 minutes ago)

The README.md file is displayed with the title 'paginapersonal' and the description 'Pagina personal para el curso de seguridad en aplicaciones web'. The right sidebar shows the 'About' section with the repository description, and the 'Releases' and 'Packages' sections, both indicating no published items.



## Preguntas

### ¿Que pasa si no tengo un index\*?

Si no se cuenta con un archivo index.\*, se muestra el contenido de la carpeta, en caso de que tampoco se pueda mostrar, el servidor regresa un error “403 forbidden”.

### ¿Cómo indico que home.html debe servirse al solicitar la raíz del sitio?

Dentro del archivo /etc/apache2/httpd.conf se encuentra el siguiente conjunto de líneas.

```
<IfModule dir_module>
    DirectoryIndex index.html index.php
</IfModule>
```

Se cambia la opción que se encuentra en DirectoryIndex por home.html.

```
<IfModule dir_module>
    DirectoryIndex home.html
</IfModule>
```

## Fuentes

*handle logic for missing index file in Apache.* (2022, 11 marzo). Domain Registration, Hosting Services, and SEO Tools. Recuperado 28 de abril de 2022, de

<http://domainhostseotool.com/handle-logic-for-missing-index-file-in-apache.html>

*How To Change Default Index Page in Apache.* (2021, 13 mayo). Ubiq BI.

Recuperado 28 de abril de 2022, de

<https://ubiq.co/tech-blog/how-to-change-default-index-page-in-apache/>