

Seguridad en aplicaciones web

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Ejercicio Página Personal

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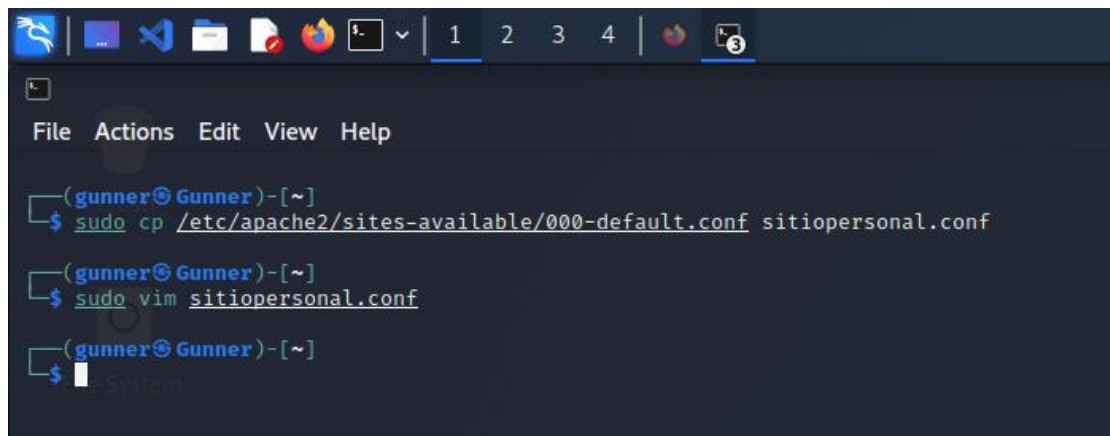
Pregunta

¿Qué pasa si no tengo un index.*? ¿Cómo indico que home.html debe servirse al solicitar la raíz del sitio?

Si no se tiene index.* se listaría el contenido de la carpeta, sin embargo, si no se tiene permitido por directivas mostrar el contenido de la carpeta, mostraría un forbidden o código 403. Para indicar algún otro html como home.html como index al solicitar la raíz del sitio, en el archivo `/etc/apache2/apache2.conf` se debe agregar la directiva `DirectoryIndex` nombredelarchivo, en este caso: `DirectoryIndex home.html`.

Capturas de Pantalla:

1. Crear la configuración del sitio en `/etc/apache2/sites-enabled/`



A terminal window screenshot showing the process of creating a site configuration file. The terminal has a dark background with a menu bar at the top containing 'File', 'Actions', 'Edit', 'View', and 'Help'. The terminal shows three commands being executed in a shell:

```
(gunner@Gunner)-[~]  
$ sudo cp /etc/apache2/sites-available/000-default.conf sitiopersonal.conf  
  
(gunner@Gunner)-[~]  
$ sudo vim sitiopersonal.conf  
  
(gunner@Gunner)-[~]  
$
```



```
<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.example.com
    ServerName www.paginapersonal.unam.mx
    ServerAdmin webmaster@localhost
    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

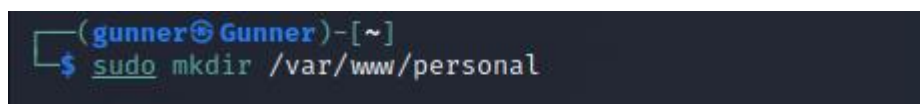
    ErrorLog ${APACHE_LOG_DIR}/paginaPersonal-error.log
    CustomLog ${APACHE_LOG_DIR}/paginaPersonal-access.log combined

    # 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
    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>

# vim: syntax=apache ts=4 sw=4 sts=4 sr noet
```

2. Crear la carpeta especificada para el sitio:



```
(gunner@Gunner)~$ sudo mkdir /var/www/personal
```

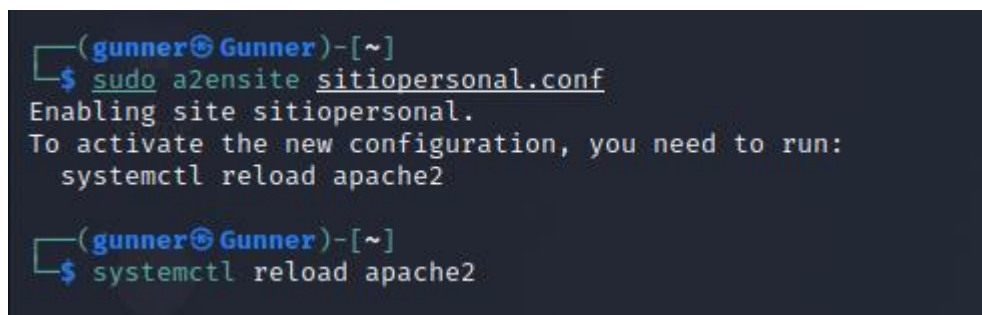
3. Modificar el archivo /etc/hosts con nuestro nuevo sitio:



```
File Actions Edit View Help
127.0.0.1 localhost
127.0.1.1 Gunner
127.0.0.1 www.paginapersonal.unam.mx www.sitio1.unam.mx sitio2.com.mx www.sitio2.unam.mx

# The following lines are desirable for IPv6 capable hosts
::1 localhost ip6-localhost ip6-loopback
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters
```

4. Habilitar el sitio y recargar apache2:

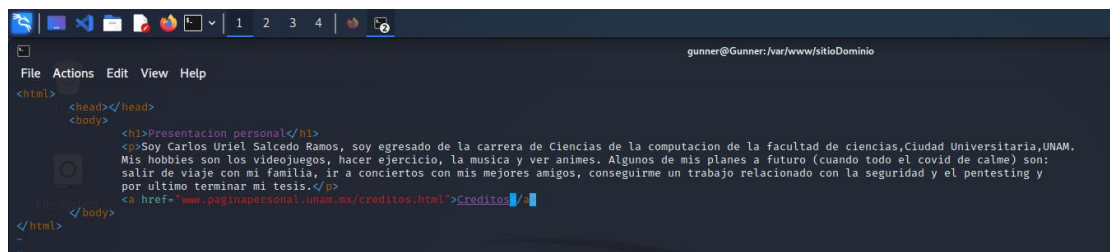


```
(gunner@Gunner)-[~]
$ sudo a2ensite sitiopersonal.conf
Enabling site sitiopersonal.
To activate the new configuration, you need to run:
systemctl reload apache2

(gunner@Gunner)-[~]
$ systemctl reload apache2
```

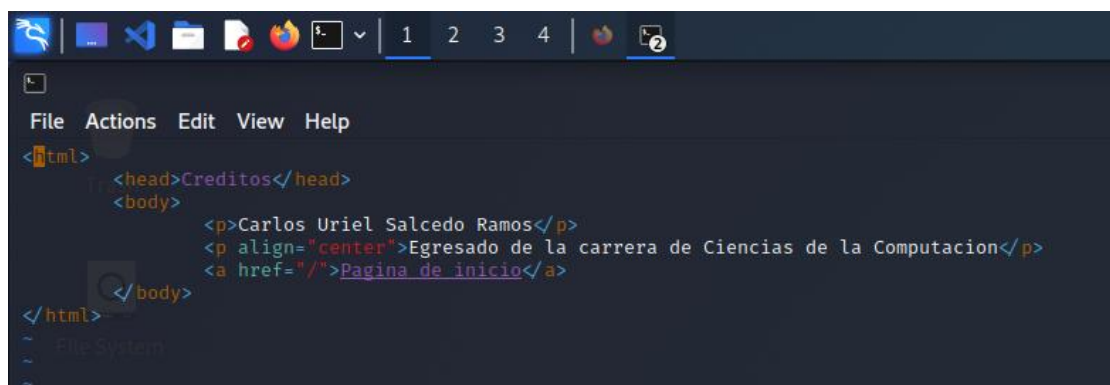
5. Crear los .html requeridos:

Index.html:



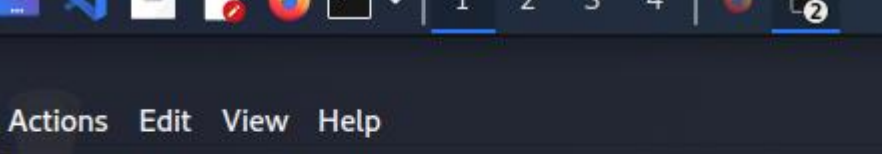
```
gunner@Gunner: /var/www/sitioDominio
File Actions Edit View Help
<html>
  <head></head>
  <body>
    <h1>Presentacion personal</h1>
    <p>Soy Carlos Uriel Salcedo Ramos, soy egresado de la carrera de Ciencias de la computacion de la facultad de ciencias,Ciudad Universitaria,UNAM. Mis hobbies son los videojuegos, hacer ejercicio, la musica y ver animes. Algunos de mis planes a futuro (cuando todo el covid de calma) son: salir de viaje con mi familia, ir a conciertos con mis mejores amigos, conseguirme un trabajo relacionado con la seguridad y el pentesting y por ultimo terminar mi tesis.</p>
    <a href="www.paginapersonal.unam.mx/creditos.html">Creditos</a>
  </body>
</html>
```

Creditos.html:



```
File Actions Edit View Help
<html>
  <head>Creditos</head>
  <body>
    <p>Carlos Uriel Salcedo Ramos</p>
    <p align="center">Egresado de la carrera de Ciencias de la Computacion</p>
    <a href="/">Pagina de inicio</a>
  </body>
</html>
```

Error.html:



The screenshot shows a web browser window with a dark theme. The address bar displays the URL `http://localhost:3000/`. The main content area shows a 404 error page with the text "Error: Hubo un error al cargar la pagina". The browser's developer tools are open, showing the "Console" tab with the error message. The error message in the console is "Error: Hubo un error al cargar la pagina".

6. Especificar las directivas `ServerSignature off` y `ServerTokens ProductOnly` para el remover los encabezados en `/etc/apache2/apache2.conf`:

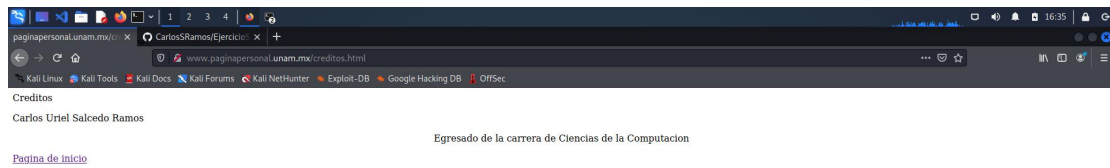
```
gunner@Gunner-  
File Actions Edit View Help  
# AllowOverride None  
# Require all granted  
#<Directory>  
  
# AccessFileName: The name of the file to look for in each directory  
# for additional configuration directives. See also the AllowOverride  
# directive.  
AccessFileName .htaccess  
  
#  
# The following lines prevent .htaccess and .htpasswd files from being  
# viewed by Web clients.  
FilesMatch "^\.ht$"  
    Require all denied  
</FilesMatch>  
  
#  
# The following directives define some format nicknames for use with  
# a CustomLog directive.  
#  
# These deviate from the Common Log format definitions in that they use %O  
# (the actual bytes sent including headers) instead of %b (the size of the  
# requested file), because the latter makes it impossible to detect partial  
# requests.  
# Note that the use of %{X}ForwardedFor| instead of %h is not recommended.  
# Use mod_remoteip instead.  
#  
logformat "%v:%h %l %u %t \"%r\" %s %O \"%{Referer}%\" \"%{User-Agent}%\" httpd_combined  
logformat "%h %l %u %t \"%r\" %s %O \"%{Referer}%\" \"%{User-Agent}%\" combined  
logformat "%h %l %u %t \"%r\" %s %O common  
logformat "%{Referer}s%M %m referer  
logformat "%{User-Agent}s%M agent  
  
# Include of directories ignores editors' and dpkg's backup files,  
# see README Debian for details.  
#  
# Include generic snippets of statements  
IncludeOptional conf-enabled/*.conf  
#  
# Include the virtual host configurations:  
IncludeOptional sites-enabled/*.conf  
#  
# vim: syntax=apache ts=4 sw=4 sts=4 sr noet  
  
serverSignature Off  
serverTokens Prodction
```

7. Vistas de las paginas implementadas:

Index:



Creditos:



Errores:



Error

Error: Hubo un error al cargar la pagina

Referencias:

mod_dir - Apache HTTP Server. (s. f.). Welcome! - The Apache HTTP Server Project.

https://httpd.apache.org/docs/2.0/mod/mod_dir.html#directoryindex