

Instalación de servicio HTTP, Ubuntu 12.04

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Instalación de servicio

Instalar servicio de HTTP

- Comando: `sudo apt-get install apache2`

Instalación para lectura de php

- Comando: `sudo apt-get install php5`



Apache




Configuración de página por defecto

Comando:

```
sudo nano /etc/apache2/mods-available/dir.conf
```

```
GNU nano 2.2.6 File: /etc/apache2/mods-available/dir.conf
<IfModule mod_dir.c>
    DirectoryIndex elcampico.php index.html index.cgi index.pl index.php $
</IfModule>
```



Configuración de página por defecto

Comando: `cd /var/www`

Comando: `sudo nano elcampico.php`

```
<html>
<head>
<title> Pagina de ejemplo. </title>

<body>

<form method="POST" action="sumar.php">
  <p>Valor 1: <input type="text" name="T1" size="20"></p>
  <p>Valor 2: <input type="text" name="T2" size="20"></p>
  <p>Valor 3: <input type="text" name="T3" size="20"></p>
  <p><input type="submit" value="Sumar" name="B1"></p>
</form>

</body>
</html>
```



Configuración de página por defecto

Comando: `sudo nano sumar.php`

```
<html>
<head>
<title>Sumar.</title>
</head>

<body>

<?php

$valor1 = $_POST['T1'];
$valor2 = $_POST['T2'];
$valor3 = $_POST['T3'];

$suma = $valor1 + $valor2 + $valor3;

echo "$valor1 + $valor2 + $valor3 = $suma";
?>
</body>
</html>
```



Certificado SSL

Instalar certificado SSL

Comando: `sudo apt-get install openssl`

- **Generar una clave privada para la creación del certificado:**

Comando: `- sudo openssl genrsa -des3 -out server.key 1024`

```
david@davidDeMayaServer:/$ sudo openssl genrsa -out server.key 1024
Generating RSA private key, 1024 bit long modulus
.....+++++
.....+++++
e is 65537 (0x10001)
```



Certificado SSL

Generar solicitud de certificado SSL:

Comando:

```
sudo openssl req -new -key  
server.key -out server.csr
```



Certificado SSL

Preguntas a resolver:

- **Country name:** Código de país en formato ISO de dos letras.
- **State or province name:** Estado o provincia.
- **Locality name:** Localidad o ciudad.
- **Organization name:** nombre de la organización.
- **Organizational Unit Name:** Sector de la organización.
- **Common Name:** Nombre del dominio.
- **Email Address:** dirección de correo.



Certificado SSL

Generar certificado SSL: comando:

```
sudo openssl x509 -req -days 365 -in  
server.csr -signkey server.key -out  
server.crt
```

```
david@davidDeMayaServer:/$ sudo openssl x509 -req -days 365 -in server.csr -sign  
key server.key -out server.crt  
Signature ok  
subject=/C=ES/ST=Alicante/L=Orihuela/O=Hhardsoft/OU=Informatica/CN=192.168.1.59/  
emailAddress=daviddemayamerras@gmail.com  
Getting Private key
```



Certificado SSL

Cambiamos de sitio el certificado y la llave:

Comando:

```
sudo cp server.crt /etc/ssl/certs/
```

```
sudo cp server.key /etc/ssl/private/
```



Certificado SSL

Configuración de certificado SSL:

Comando:

```
cd /etc/apache2/sites-available  
sudo nano default-ssl
```

```
</Directory>  
  
# SSL Engine Switch:  
# Enable/Disable SSL for this virtual host.  
SSLEngine on  
  
# A self-signed (snakeoil) certificate can be created by installing  
# the ssl-cert package. See  
# /usr/share/doc/apache2.2-common/README.Debian.gz for more info.  
# If both key and certificate are stored in the same file, only the  
# SSLCertificateFile directive is needed.  
SSLCertificateFile /etc/ssl/certs/ssl-cert-snakeoil.pem  
SSLCertificateKeyFile /etc/ssl/private/ssl-cert-snakeoil.key  
  
# Server Certificate Chain:  
# Point SSLCertificateChainFile at a file containing the  
# concatenation of PEM encoded CA certificates which form the  
# certificate chain for the server certificate. Alternatively  
# the referenced file can be the same as SSLCertificateFile  
# when the CA certificates are directly appended to the server  
# certificate for convenience.  
#SSLCertificateChainFile /etc/apache2/ssl.crt/server-ca.crt
```



Certificado SSL

```
</Directory>
```

```
# SSL Engine Switch:  
# Enable/Disable SSL for this virtual host.  
SSLEngine on
```

```
# A self-signed (snakeoil) certificate can be created by installing  
# the ssl-cert package. See  
# /usr/share/doc/apache2.2-common/README.Debian.gz for more info.  
# If both key and certificate are stored in the same file, only the  
# SSLCertificateFile directive is needed.
```

```
SSLCertificateFile /etc/ssl/certs/server.crt  
SSLCertificateKeyFile /etc/ssl/private/server.key_
```

```
# Server Certificate Chain:  
# Point SSLCertificateChainFile at a file containing the  
# concatenation of PEM encoded CA certificates which form the  
# certificate chain for the server certificate. Alternatively  
# the referenced file can be the same as SSLCertificateFile  
# when the CA certificates are directly appended to the server  
# certificate for convenience.  
#SSLCertificateChainFile /etc/apache2/ssl.crt/server-ca.crt
```



Certificado SSL

Habilitar certificado SSL:

- `sudo a2enmod ssl`
- `sudo a2ensite default-ssl`

Reiniciamos el servicio:

- `sudo /etc/init.d/apache2 restart`



Virtual Host

Comando:

- cd /var/www
- sudo mkdir daviddemaya.com

```
daviddemaya.com elcampico.php index.html sumar.php
```

- cd daviddemaya.com
- sudo nano index.html

```
<html>  
<body>  
<h1>daviddemaya.com esta solucionando fallos</h1>  
</body>  
</html>
```



Virtual Host

Configuración de Hosts:

- sudo nano /etc/hosts

```
127.0.0.1      localhost
127.0.1.1      davidDeMayaServer

# The following lines are desirable for IPv6 capable hosts
::1           ip6-localhost ip6-loopback
fe00::0       ip6-localnet
ff00::0       ip6-mcastprefix
ff02::1       ip6-allnodes
ff02::2       ip6-allrouters
```



Virtual Host

```
127.0.0.1    localhost
127.0.1.1    davidDeMauaServer
127.0.0.1    dauiddemaua.com
# The following lines are desirable for IPv6 capable hosts
::1          ip6-localhost ip6-loopback
fe00::0      ip6-localnet
ff00::0      ip6-mcastprefix
ff02::1      ip6-allnodes
ff02::2      ip6-allrouters
```



Virtual Host

- cd /etc/apache2/sites-available
- sudo nano dauiddemaya.com

```
<VirtualHost *:80>  
    ServerAdmin webmaster@daviddemaya.com  
    ServerName daviddemaya.com  
    ServerAlias www.daviddemaya.com  
  
    DocumentRoot /var/www/daviddemaya.com  
</VirtualHost>
```



Virtual Host

Activar el host virtual:

- sudo a2ensite dauiddemaya.com

```
Site dauiddemaya.com already enabled
```

Reiniciamos el servicio:

- sudo /etc/init.d/apache2 restart



Autenticación en carpeta privada

Habilitar autenticación de carpetas en apache:

- `sudo a2enmod authnz_ldap`

Crear carpeta para acceder de uso privado:

- `sudo mkdir /var/www/daviddemaya.com/privado`



Autenticación en carpeta privada

Crear usuarios que van a acceder a la carpeta privado:

- sudo mkdir /etc/apache2/daviddemaya.com
- sudo htpasswd -c /etc/apache2/daviddemaya.com/passwords david

```
New password:  
Re-type new password:  
Adding password for user david
```



Autenticación en carpeta privada

Parametros para permitir la autenticación:

- sudo nano /etc/apache2/sites-available/daviddemaya.com

```
<VirtualHost *:80>
  ServerAdmin webmaster@daviddemaya.com
  ServerName daviddemaya.com
  ServerAlias www.daviddemaya.com

  DocumentRoot /var/www/daviddemaya.com
  <directory /var/www/daviddemaya.com/privado>
    AllowOverride AuthConfig
    AuthType Basic
    AuthName "Acceso restringido a ti"
    AuthBasicProvider file
    AuthUserFile /etc/apache2/daviddemaya.com/passwords
    Require user david
    Order allow,deny
    Allow from all
  </directory>
</VirtualHost>
```





Apache

FIN

