INSTITUTO TECNOLOGICO DE CULIACAN



INGENIERIA EN SISTEMAS COMPUTACIONALES ADMINISTRACION DE REDES INSTALACION SERVICIOS HTTP ALUMNO:

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CULIACAN SINALOA, 02 DE JULIO DEL 2019

APACHE HTTPD: INSTALL HTTPD

Paso 1.- procederemos a instalar HTTPD directamente en el servidor:

```
[redes@localhost ~]$
[redes@localhost ~]$
[redes@localhost ~]$ su root
Password:
[root@localhost redes]# yum -y install httpd
Loaded plugins: fastestmirror
base
                                                         | 3.6 kB
                                                                      00:00
extras
                                                         | 3.4 kB
                                                                      00:00
updates
                                                         | 3.4 kB
                                                                      00:00
updates/7/x86 64/primary d 11% [=-
                                               ] 263 kB/s | 787 kB
                                                                      00:22 ETA
```

Procederemos a Configurar el HTTPD utilizaremos el comando nano /etc/httpd/conf/httpd.conf

```
[root@www ~] * vi /etc/httpd/conf/httpd.conf
# line 86: change to admin's email address
ServerAdmin root@srv.world
# line 95: change to your server's name
ServerName www.srv.world:80
# line 151: change
AllowOverride All
≱ line 164: add file name that it can access only with directory's name
DirectoryIndex index.html index.cgi index.php
# add follows to the end
# server's response header
ServerTokens Prod
# keepalive is ON
KeepAlive On
[root@www ~]# systemctl start httpd
[root@www ~]# systemctl enable httpd
```

```
# 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.
# ServerName www.redesverano.com:80
# Deny access to the entirety of your server's filesystem. You must
# explicitly permit access to web content directories in other
# <Directory> blocks below.
# <Directory />
AllowOverride none
Require all denied
</Directory>
```

En el siguiente paso, procederemos a crear una página de prueba en html, esto para acceder a ella después desde el navegador la computadora misma.

Ahora pasaremos a probar lo realizado, accediendo desde un navegador de la computadora al nombre del servidor en nuestro caso es www.redesverano.com:80



Test Page



APACHE HTTPD: USE PHP SCRIPTS

En este punto usaremos ahora un script realizado en php para accede desde el navegador web, el primer paso a realizar es el instalar el php mediante el comando <u>yum</u> -y install php php-mbstring php-pear

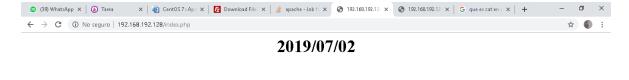
```
[root@localhost redes]# yum -y install php php-mbstring php-pear
Loaded plugins: fastestmirror
base
extras
updates
Loading mirror speeds from cached hostfile
* base: mirror.us.oneandone.net
* updates: neiror.us.oneandone.net
* updates: repos-va.psychs.net
Resolving Dependencies
--> Running transaction check
--> Processing Dependency: php-common(x86-64) = S.4.16-46.e17 for package: php-5.4.16-46.e17.x86_64
--> Processing Dependency: php-common(x86-64) = S.4.16-46.e17 for package: php-5.4.16-46.e17.x86_64
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--> Processing Dependency: php-common(x86-64) = S.4.16-46.e17 for package: php-5.4.16-46.e17.x86_64
--> Processing Dependency: php-pasting transaction check
--> Package php-besting x86_64 0:5.4.16-46.e17 will be installed
--> Processing Dependency: php-pasting transaction check
--> Package opensel-libs.x86_64 1:1.0.1e-42.e17.9 will be updated
--> Processing Dependency: php-pasting transaction check
--> Package opensel-libs.x86_64 1:1.0.2k-16.e17 eil be installed
--> Package opensel-libs.x86_64 0:5.4.16-46.e17 will be installed
--> Package opensel-libs.x86_64 0:5.4.16-46.e17 will be installed
--> Package opensel-libs.x86_64 0:5.4.16-46.e17 will be installed
```

Ahora pondremos el comando nano /etc/php.ini, para buscar la línea 878 y configurar la zona horaria ala nuestra:

```
[Date]
; Defines the default timezone used by the date functions
; http://php.net/date.timezone
date.timezone =America/Mexico_City
```

Ahora, pasaremos a crear una pagina sencilla en php, en donde mostraremos la hora actual del equipo:

Y al final, al acceder desde el navegador, debe de verse asi





APACHE HTTPD: USE MOD_SECURITY

Procederemos a instalar mod_security.



Despues de instalar , podemos ver que la configuraciones iniciales están situadas en el siguiente directorio. A su vez, podemos también modificar reglas para nuestros beneficios:

Vamos a cambiar algunas reglas, para probar que todo funcione correctamente (o tal vez no)

```
[root@www ~]* vi /etc/httpd/modsecurity.d/activated_rules/rules-01.conf

* default action when matching rules
SecDefaultAction "phase:2,deny,log,status:406"

* "etc/passwd" is included in request URI
SecRule REQUEST_URI "etc/passwd" "id:'500001'"

* "../" is included in request URI
SecRule REQUEST_URI "\.\./" "id:'500002'"

* "<SCRIPT" is included in arguments
SecRule ARGS "<[Ss][Cc][Rr][Ii][Pp][Tt]" "id:'500003'"

* "SELECT FROM" is included in arguments
SecRule ARGS "[Ss][Ee][L1][Ee][Cc][Tt][[:space:]]+[Ff][Rr][0o][Mm]" "id:'500004'"
[root@www ~]* systemctl restart httpd</pre>
```

Accederemos a la URL y comprobaremos si podemos acceder normalmente ala URL y se obtiene el siguiente pantallazo

Not Acceptable

An appropriate representation of the requested resource /etc/passwd could not be found on this server.

Por último, procederemos a instalar el mod security crs con el siguiente comando:

```
[root@localhost redes]# yum -y install mod security crs
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
* base: centos.den.host-engine.com
* extras: mirror.twinlakes.net
* updates: repos-va.psychz.net
Resolving Dependencies
-> Running transaction check
 --> Package mod_security_crs.noarch 0:2.2.9-1.el7 will be installed
--> Finished Dependency Resolution
Dependencies Resolved
._____
Package
                                                                         Version
                                         Arch
Installing:
                                                                         2.2.9-1.el7
mod_security_crs
                                         noarch
Transaction Summary
```