

Cheat-Sheet: Apache2 Web Server - Debian GNU/Linux



Servidor Web (apache2)
eth0:
IP estática: 10.10.10.10/8
Gateway: 10.10.10.1
DNS: 1.1.1.1, 8.8.8.8
Paquete servidor Web:
apache2
Ficheros de configuración:
/etc/apache2/* → conf*, mods*, sites* → available, enabled
/etc/apache2/(apache2.conf,ports.conf,envvars)
Ficheros logs:
/var/log/syslog || /var/lib/journal (journalctl)
/var/log/apache2/*
Directivas
→ https://httpd.apache.org/docs/current/es/mod/directives.html
→ DocumentRoot
→ Listen
→ VirtualHost → ServerName, ServerAlias
→ ServerSignature
→ ErrorLog → LogFormat
→ Options argumento
→ Include, Require
→ AllowOverride (.htaccess)
Secciones → https://httpd.apache.org/docs/2.4/sections.html

Configuración de rede en tempo real:
pkill NetworkManager \
&& ip addr add 10.10.10.10/8 dev eth0 \
&& ip route add default via 10.10.10.1 dev eth0 \
&& echo -e 'nameserver 1.1.1.1\nnameserver 8.8.8.8' > /etc/resolv.conf

Comprobar a configuración de rede:
ip addr show eth0 \
&& ip route \
&& cat /etc/resolv.conf

Paquete debian: isc-dhcp-server - Instalación
apt update \
&& apt -y install apache2

Ver acciones posibles do servidor:
/etc/init.d/apache2 #Premer Enter
Usage: apache2 {start|stop|graceful-stop|restart|reload|force-reload}

Comprobar estado servidor:
/etc/init.d/apache2 status || systemctl status apache2

Configuración servidor en /etc/apache2/

Prioridade/Alcance	Sección	Aplicación	Exemplo
-	Directory	Filesystem	<Directory /var/www/html/prioridades>
+	Files	DocumentRoot	<Location /prioridade>
+	VirtualHost		

Táboa. Seccións

Exemplo7 https default-ssl.conf

```
<IfModule mod_ssl.c>  
<VirtualHost _default_:443>  
ServerAdmin webmaster@localhost  
DocumentRoot /var/www/html  
ErrorLog ${APACHE_LOG_DIR}/error.log  
CustomLog ${APACHE_LOG_DIR}/access.log combined  
SSLEngine on  
SSLCertificateFile /etc/ssl/certs/ssl-cert-snakeoil.pem  
SSLCertificateKeyFile /etc/ssl/private/ssl-cert-snakeoil.key  
<FilesMatch "\.(?:cgi|shtml|phtml|php)$">  
SSLOptions +StdEnvVars  
</FilesMatch>  
<Directory /usr/lib/cgi-bin>  
SSLOptions +StdEnvVars  
</Directory>  
</VirtualHost>  
</IfModule>
```

```
# a2ensite default-ssl  
# a2enmod ssl  
# /etc/init.d/apache2 restart || systemctl apache2 restart
```

debian → Instalar apache2

```
# tail -f /var/log/syslog || journalctl -f -u apache2  
...  
Oct 22 17:27:37 kali systemd[1]: Starting The Apache HTTP Server...  
Oct 22 17:27:37 kali apache2[58476]: AH00557: apache2: apr_sockaddr_info_get() failed for kali  
Oct 22 17:27:37 kali apache2[58476]: AH00558: apache2: Could not reliably determine the server's fully  
qualified domain name, using 127.0.0.1. Set the 'ServerName' directive globally to suppress this message  
Oct 22 17:27:37 kali systemd[1]: Started The Apache HTTP Server.  
# tail -f /var/log/apache2/access.log  
...  
# tail -f /var/log/apache2/error.log  
...
```

Servidor Web

Exemplo1 Listen ports.conf

```
Listen 80  
Listen 3800  
Listen 10.10.10.10:4300  
Listen 10.10.10.10:4443 http
```

Exemplo2 DocumentRoot 000-default.conf

```
<VirtualHost *:80>  
ServerAdmin webmaster@localhost  
DocumentRoot /var/www/html  
ErrorLog ${APACHE_LOG_DIR}/error.log  
CustomLog ${APACHE_LOG_DIR}/access.log combined  
</VirtualHost>
```

Exemplo3 VirtualHost empresa1.conf

```
# Configuración virtualhost: empresa1  
<VirtualHost *:80>  
DocumentRoot /var/www/empresa1/  
ServerName www.empresa1.com  
ServerAlias empresa1.com empresa1.es www.empresa1.es  
</VirtualHost>
```

```
# mkdir /var/www/empresa1  
# echo 'empresa1 contido' > /var/www/empresa1/index.html  
# chown -R www-data: /var/www/empresa1  
# chmod 700 /var/www/empresa1  
# chmod 400 /var/www/empresa1/index.html  
# a2ensite empresa1
```

Exemplo4 HTTP Basic conf-available/security.conf

```
<Directory /var/www/html/auth-empresa>  
AllowOverride Authconfig  
</Directory>
```

```
# htpasswd -c /etc/apache2/web.htpasswd nome_usuario  
# mkdir /var/www/html/auth-empresa  
# cat /var/www/html/auth-empresa/.htaccess  
AuthType Basic  
AuthName "Web con Autenticacion Basic"  
AuthBasicProvider file  
AuthUserFile /etc/apache2/web.htpasswd  
##Require valid-user  
Require user nome_usuario  
# echo 'S3c3eT contido' > /var/www/html/auth-empresa/secret.txt  
# chown -R www-data: /var/www/html/auth-empresa  
# chmod 400 /var/www/html/auth-empresa/.htaccess
```

Exemplo5a Control de acceso Order, deny, allow

```
<VirtualHost *:80>  
Alias /cartafol-controlado "/var/www/control/cartafol-controlado/"  
<Directory "/var/www/control/cartafol-controlado/">  
Order deny,allow  
#Deny from all  
#Allow from IP_permiso_concedido  
#Allow from 192.168.120.101  
Require ip 192.168.120.101  
</Directory>  
DocumentRoot /var/www/control/cartafol-controlado/  
ServerName www.empresa.local  
ServerAlias empresa.local  
</VirtualHost>
```

```
# mkdir -p /var/www/control/cartafol-controlado  
# echo 'Contido control' > /var/www/control/cartafol-controlado/control.txt  
# a2ensite controlIP
```

Exemplo6 Prioridades Seccións / Directivas

```
# mkdir /var/www/html/prioridade  
# echo 'Contido f1.txt' > /var/www/html/prioridade/f1.txt  
# a2ensite controlIP
```

```
<Directory /var/www/html/prioridade>  
Options -Indexes  
</Directory >  
<Location /prioridade>  
Options +Indexes  
</Location >
```

Iniciar servidor:
/etc/init.d/apachd2 start || systemctl start apache2

Recargar configuración servidor:
/etc/init.d/apache2 reload || systemctl reload apache2

Comprobar estado servidor:
/etc/init.d/apache2 status || systemctl status apache2

