Install and Configure Apache Web Server

Apache http server

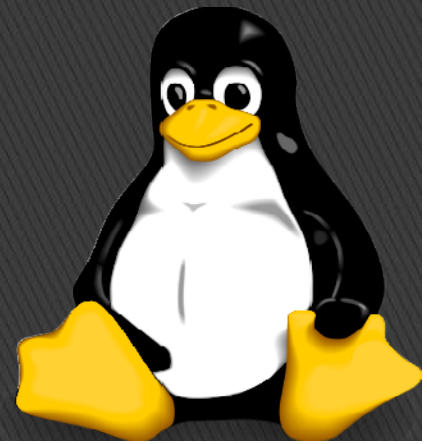
The Apache HTTP Server or simply Apache, is free and open-source cross-platform web server software developed and maintained by Apache Software Foundation.

Apache is a easy to learn and configure web server providing an ability to host websites mainly via HTTP or HTTPS protocols. Under RHEL 8 / CentOS 8 system Apache webserver is know under name httpd.

It use following port number and service:

http = 80

https = 443



Install package

```
# yum  install http*   -y
```

Start & enable Apache webserver

```
# systemctl enable httpd
# systemctl start httpd
```

Firewall Setup

```
#firewall-cmd --permanent --add-service=http
#firewall-cmd --reload
```

Insert your website files

By default the Apache web server will greet you with a default welcome page.

To disable the default Apache welcome page insert your index.html into /var/www/html/ directory

Access your website

To access your new sample website navigate your client web browser to either

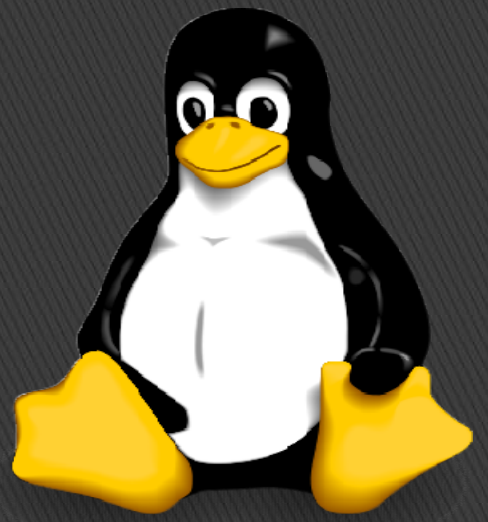
http://192.168.1.10

Create configuration file

```
#cd     /etc/httpd/conf.d/

#vim server1.conf
<VirtualHost    *:80>
ServerAdmin         root@server1.example.com
ServerName          server1.example.com
DocumentRoot        /var/www/html

</VirtualHost>
<Directory "/var/www/html">
<RequireAll>
Require all granted
</RequireAll>
</Directory>
wq
systemctl restart httpd
```



Add web page

```
#mkdir     /var/www/html/owndir
#restorecon    -Rv     /var/www/html
#cd     /var/www/html/owndir

#vim /etc/httpd/conf.d/server1.conf
(Add this)
<Directory "/var/www/html/owndir">
<RequireAll>
Require all granted
</RequireAll>
</Directory>
wq

#systemctl restart httpd
```

Access website page

To access your new sample website navigate your client web browser to either

http://192.168.1.10/owndir