Install and Configure Apache Web Server

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.

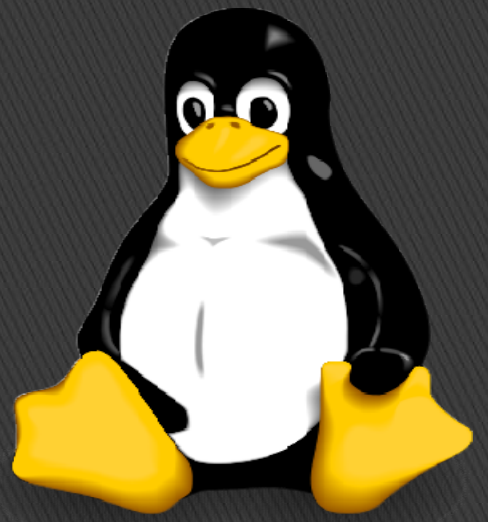
To disable the default Apache welcome page insert your index.html into /var/www/html/ directory

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
```



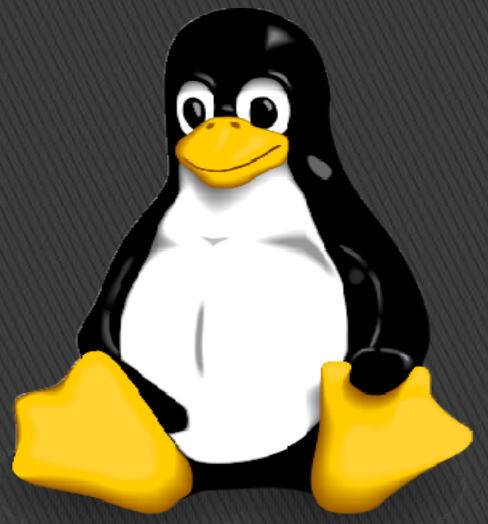
Create directory virtual host

#mkdir /usr/local/vhosts
#cd /usr/local/vhosts

Create home page for virtual hosting
#vim index.html
Welcome to Virtual Hosting

:wq

#semanage fcontext -a -t httpd_sys_content_t "/usr/local/vhosts(/.*)?"
#restorcon -Rv /usr/local/vhosts



Create virtual host configuration file

```
#vim /etc/httpd/conf.d/vhosts.conf
<VirtualHost  *:80>
ServerAdmin      webmaster@vhosts1.example.com
ServerName     vhosts1.example.com
DocumentRoot /usr/local/vhosts
</VirtualHost>

<Directory      "/usr/local/vhosts">
<RequireAll>
Require all granted
</RequireAll>
</Directory>
:wq

#systemctl    restart   httpd
```

Add record in host file (client&server)

#vim /ets/hosts

192.168.1.10 server1.example.com
192.168.1.10 vhosts1.example.com

Access website page

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

http://server1.example.com
http://vhosts1.example.com