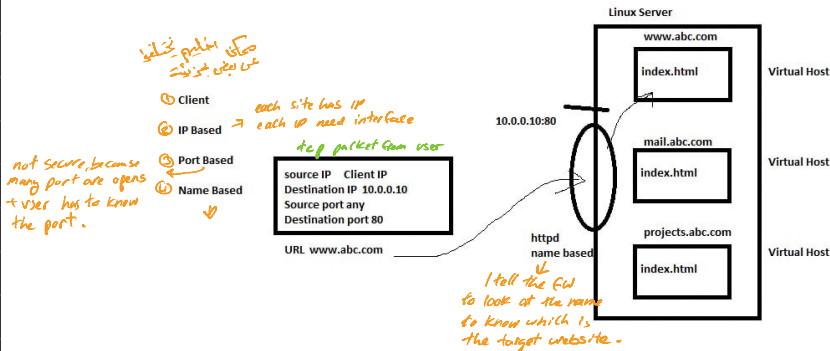
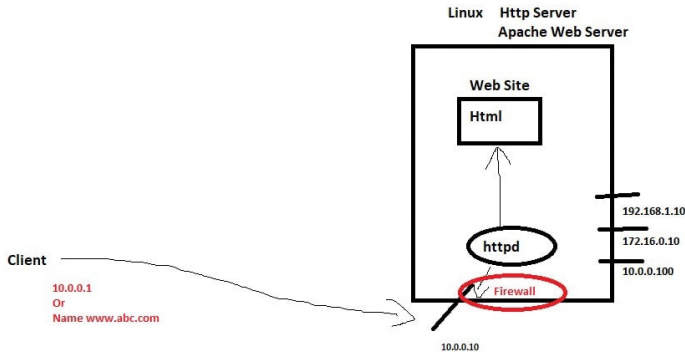


# Apache

Admin is responsible  
for  
Web Hosting Service



## → Configuring Apache webserver

- ① Package httpd
- ② Configuration files /etc/httpd/conf/httpd.conf
- ③ Data files /var/www/html
- ④ service started httpd.service

web site contents

```
# yum install httpd*
# tail -5 /etc/passwd
apache:x:48:48:Apache:/usr/share/httpd:/sbin/nologin
# ls /etc/httpd/conf/httpd.conf
# ls /var/www/html/
# systemctl status httpd.service

# vim /var/www/html/index.html
welcome to our web site
# firewall-cmd --add-service=http --permanent
# firewall-cmd --reload
# firewall-cmd --list-services
# systemctl enable httpd.service
# systemctl start httpd.service
# systemctl is-active httpd.service
active

# vim /var/named/abc.com.zone
www      IN      A       10.0.0.10
# systemctl restart named.service
```

## Hosting Multiple Web Sites

Virtual Hosting "Name Based"

### 1- Configure DNS Server

```
# vim /var/named/abc.com.zone
www      IN      A      10.0.0.10
mail     IN      A      10.0.0.10
projects      IN      A      10.0.0.10
# systemctl restart named.service
```

### 2- Create Document Root

```
# mkdir /var/www/html/www
# mkdir /var/www/html/mail
# mkdir /var/www/html/projects
# echo welcome to our web site > /var/www/html/www/index.html
# echo welcome to our mail site > /var/www/html/mail/index.html
# echo welcome to our projects site > /var/www/html/projects/index.html
```

### 3- Define Virtual hosts /etc/httpd/conf/httpd.conf

```
# vim /etc/httpd/conf/httpd.conf
```

```
<VirtualHost *:80>
ServerName www.abc.com
DocumentRoot /var/www/html/www
</VirtualHost>
```

```
<VirtualHost *:80>
ServerName mail.abc.com
DocumentRoot /var/www/html/mail
</VirtualHost>
```

```
<VirtualHost *:80>
ServerName projects.abc.com
DocumentRoot /var/www/html/projects
</VirtualHost>
```

```
# systemctl restart httpd.service
```

```
# curl www.abc.com          view website contents command line
```