Virtual Host

Virtual hosting is a method for hosting multiple domain names (with seperate handling of each name) on a single server or pool of servers. This allows one server to share its resources, such as memory and processor cycles, without requiring all services provided to use the same host name.

abc.com

xyx.com 🡪 Apache & Linux 🡪 Internet

zxy.com

Create user A 🡪 **sudo useradd -m userA**

Create directory under user a directory with name public HTML **🡪 sudo mkdir /home/userA/public\_html**

Create user B **🡪 sudo useradd -m userB**

Directory **🡪 sudo mkdir /home/userB/public\_html**

Create HTML file and write some text 🡪 **sudo nano /home/userA/public\_html/index.html**

<html>

<head>

<title> Welcome to Vhost userA </title>

</head>

<body>

<h1> Welcome to Vhost UserA Page </h1>

</body>

</html>

For user B 🡪 **sudo nano /home/userB/public\_html/index.html**

<html>

<head>

<title> Welcome to Vhost userB </title>

</head>

<body>

<h1> Welcome to Vhost UserB Page </h1>

</body>

</html>

Go to your Apache directory 🡪 **cd /etc/apache2**

Go to directory called sites-available 🡪 **cd sites-available/**

Type ls and observe the 000-default.conf

Copy that file format 🡪 **sudo cp 000-default.conf userA.conf**

For B 🡪 **sudo cp 000-default.conf userB.conf**

Add or change the following lines 🡪 **sudo nano userA.conf**

ServerAdmin webmaster@userA.com

Server Name userA.com (domain)

DocumentRoot /home/userA/public\_html/

<Directory /home/userA/public\_html/>

Options Indexes FollowSymLinks (if a directory is a symbolic link, the Apache follow the link)

AllowOverride all (Used to allow the use of dot HT access within the webserver to allow overriding of the Apache config on directory basis)

Require all granted (No IP adress is blocked from accessing the service)

</Directory>

For user B 🡪 **sudo nano userB.conf**

ServerAdmin webmaster@userB.com

Server Name userB.com (domain)

DocumentRoot /home/userB/public\_html/

<Directory /home/userB/public\_html/>

Options Indexes FollowSymLinks (if a directory is a symbolic link, the Apache follow the link)

AllowOverride all (Used to allow the use of dot HT access within the webserver to allow overriding of the Apache config on directory basis)

Require all granted (No IP adress is blocked from accessing the service)

</Directory>

Enable both of side by 🡪 sudo a2ensite userA.conf

For B 🡪 sudo a2ensite userB.conf

Reload your Apache 🡪 systemctl reload apache2

Restart 🡪 service apache2 restart

Display apache2 status 🡪 service apache2 status

Identify your domain in a local environment 🡪 sudo nano etc/hosts

Add a more domain at localhost

Do these

127.0.0.1 [www.usera.com](http://www.usera.com)

127.0.0.1 [www.userb.com](http://www.userb.com)

Go to browser 🡪 type above