Apache vitual host

Read more:

* https://www.digitalocean.com/community/tutorials/how-to-set-up-apache-virtual-hosts-on-ubuntu-14-04-lts

Require:

* Install apache2

Step 1: create the directory structure

* Example with domain is “test.com”

$ sudo mkdir -p /var/www/test.com/public\_html

Step 2: Grant permissions

* Now we have the directory structure for our files, but they are owned by our root user. If we want our regular user to be able to modify files in our web directories, we can change the ownership by doing this:

$ sudo chown -R $USER:$USER /var/www/test.com/public\_html

The $USER variable will take the value of the user you are currently logged in as when you press "ENTER". By doing this, our regular user now owns the public\_html subdirectories where we will be storing our content.

* We should also modify our permissions a little bit to ensure that read access is permitted to the general web directory and all of the files and folders it contains so that pages can be served correctly:

$ sudo chmod –R 755 /var/www

Step 3: Create demo index page

* Access /var/ww/test.com/public\_html and create file index.html

$ sudo nano /var/www/test.com/public\_html/index.html

* Then insert content for index.html

<html>

<head>

<title>Welcome to Test.com!</title>

</head>

<body>

<h1>Success! The test.com virtual host is working!</h1>

</body>

</html>

Step 4: Create new virtual host files

* Apache comes with a default virtual host file called **000-default.conf** that we can use as a jumping off point. We are going to copy it over to create a virtual host file for each of our domains.
* Copy file 000-default.conf or create file test.com.conf

$ sudo cp /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-available/**test.com.conf**

* Test.com.conf with content:

<VirtualHost \*:80>

ServerAdmin admin@test.com

ServerName test.com

ServerAlias www.test.com

DocumentRoot /var/www/test.com/public\_html

ErrorLog ${APACHE\_LOG\_DIR}/error.log

CustomLog ${APACHE\_LOG\_DIR}/access.log combined

</VirtualHost>

Step 5: Enable the new virtual host files

* Using a2ensite:

$ sudo a2ensite test.com.conf

* Restart apache2:

$ sudo service apache2 restart

Step 6: Set up local hosts file

* Edit hosts file

$ sudo nano /etc/hosts

* Add into hosts file

127.0.0.1 test.com

Finish

Test

* Using curl

$ sudo apt-get install curl

* Test domain test.com

$ sudo curl test.com